# Markes Calibration and data files March 21-April 11, 2019

| Description | data file |
|---|---|
| Light composite cal 1 | 032119_2 |
| Light composite cal 2 | 032119_3 |
| Light composite cal 3 | 032119_4 |
| Light composite cal 4 | 032119_5 |
| Light composite cal 5 | 032119_6 |
| Trap heat | 040419_1 |
| Light PFAS mid cal | 040419_4 |
| Batch blk #1 | 040419_3 |
| Sample 1 | 040419_5 |
| Sample 1 dup | 040419_6 |
| Sample 2 | 040419_7 |
| Sample 3 | 040419_8 |
| Sample 4 | 040419_9 |
| Sample 5 | 040419_10 |
| Sample 6 | 040419_11 |
| Sample 7 | 040419_12 |
| Sample 8 | 040419_13 |
| Sample 9 | 040419_14 |
| Sample 10 | 040419_15 |
| Sample 11 | 040419_16 |
| Trap heat | 040819_1 |
| Light PFAS mid cal | 040819_4 |
| Batch blk #2 | 040819_3 |
| Trip blk | 040819_5 |
| Trip blk dup | 040819_6 |
| Batch blk #2 | 040919_3 |
| Field blk | 040819_7 |
| Ambient | 040819_8 |
| System blk | 040819_9 |
| Light PFAS mid cal | 041119_3 |
| Batch blk #2 | 041119_4 |
| Sample 12 | 041119_5 |
| Sample 12 dup | 041119_6 |
| Sample 13 | 041119_7 |
| Sample 14 | 041119_8 |
| Sample 15 | 041119_9 |
| Sample 16 | 041119_10 |

| Instrument | |
|---|---|
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| Markes | Formed 5 level light cal for Markes |
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# Entech St. Gobain data files April 11-17,2019

| | Description | data file |
|---|---|---|
| | 1 ppb TO15 std | 41219003 |
| | Ambient | 41219004 |
| | Ambient dup | 41219006 |
| | System Blank | 41219007 |
| | Batch Blank 2 | 41219009 |
| | Trip Blank | 41219011 |
| | Field Blank | 41219013 |
| | Instrument blank | 41519002 |
| | 1 ppb TO15 std | 41519003 |
| | Fluorotelomer std | 41519004 |
| | Batch blank 1 | 41519005 |
| | Sample 1 | 41519006 |
| | Sample 1 dup | 41519007 |
| | Sample 2 | 41519009 |
| | Sample 3 | 41519011 |
| | Sample 4 | 41519013 |
| | Sample 5 | 41519015 |
| | Sample 6 | 41519017 |
| | Instrument blank | 41619002 |
| | 1 ppb TO15 std | 41619003 |
| | Fluorotelomer std | 41619004 |
| | Batch Blank 2 | 41619005 |
| | Sample 7 | 41619006 |
| | Sample 7 dup | 41619007 |
| | Sample 8 | 41619009 |
| | Sample 9 | 41619011 |
| | Sample 10 | 41619013 |
| | Sample 11 | 41619015 |
| | Sample 12 | 41619017 |
| | Instrument blank | 41719002 |
| | 1 ppb TO15 std | 41719003 |
| | Fluorotelomer std | 41719004 |
| | Batch blank 1 | 41719005 |
| | Sample 13 | 41719006 |
| | Sample 13 dup | 41719007 |
| | Sample 14 | 41719009 |
| | Sample 15 | 41719011 |
| | Sample 16 | 41719013 |
| single cal | Fluorotelomer std | 32219020 |

Instrument
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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219003.D
Acq On : 12 Apr 2019 3:03 pm
Operator :
Sample : 1 ppb
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 13:50:45 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| | Compound |
|---|---|
| Inte | rnal Standards |
| 1) | Bromochloromethane |
| 62) | 1,4-Difluorobenzene |
| 89) | Chlorobenzene-d5 |
| Targ | et Compounds |
| 2] | Propylene |
| 3] | Propane |
| 4] | Dichlorodifluoromethane |
| 5] | Chloromethane |
| 6] | Isobutane |
| 7] | Dichlorotetrafluoroethane |
| 8] | Vinyl Chloride |
| 9] | 1-Butene |
| 10] | 1,3-Butadiene |
| 11] | Butane |
| 12) | trans-2-butene |
| 13] | Bromomethane |
| 14] | cis-2-butene |
| 15] | Chloroethane |
| 16] | Ethanol |
| 17] | Vinyl Bromide |
| 18] | Acetonitrile |
| 19] | Acrolein |
| 20] | Acetone |
| 21] | iso-Pentane |
| 22] | Trichlorofluoromethane |
| 23] | Isopropyl Alcohol |
| 24] | 1-Pentene |

| R.T. | QIon | Respons | e | Conc U | nits | Dev(Min) |
|---|---|---|---|---|---|---|
| 9.991 | 130 | 95341 | | 20 | ppbv | # 0.00 |
| 12.085 | 114 | 416170 | | 20 | ppbv | 0.00 |
| 18.386 | 82 | 239834 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.101 | 41 | 199799 | | 1.34 | ppbv | 93 |
| 5.199 | 43 | 68135 | | 1.83 | ppbv | 96 |
| 5.418 | 85 | 150507 | | 0.96 | ppbv | 99 |
| 5.723 | 50 | 100731 | | 1.29 | ppbv | 100 |
| 5.919 | 41 | 166618 | m | 1.49 | ppbv | |
| 5.919 | 85 | 235951 | | 1.04 | ppbv | 98 |
| 6.053 | 62 | 86219 | | 1.03 | ppbv | 99 |
| 6.199 | 41 | 277492 | | 1.39 | ppbv | 100 |
| 6.248 | 54 | 127383 | | 1.06 | ppbv # | 66 |
| 6.321 | 43 | 199154 | | 1.2 | ppbv | 98 |
| 6.443 | 41 | 131556 | | 1.13 | ppbv | 100 |
| 6.59 | 94 | 68913 | | 1.1 | ppbv | 95 |
| 6.626 | 41 | 138280 | | 1.17 | ppbv | 98 |
| 6.761 | 64 | 41547 | | 1.3 | ppbv # | 77 |
| 6.858 | 31 | 87661 | | 1.08 | ppbv # | 97 |
| 7.115 | 106 | 63052 | | 1.09 | ppbv | 100 |
| 7.084 | 41 | 88726 | | 1.26 | ppbv | 97 |
| 7.197 | 56 | 31280 | | 0.97 | ppbv # | 96 |
| 7.3 | 43 | 816875 | | 3.73 | ppbv # | 75 |
| 7.331 | 41 | 127362 | | 1.29 | ppbv | 100 |
| 7.464 | 101 | 231543 | | 1.13 | ppbv | 97 |
| 7.495 | 45 | 117389 | | 3.29 | ppbv # | 28 |
| 7.556 | 42 | 142586 | | 1.2 | ppbv | 92 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219004.D
Acq On : 12 Apr 2019 4:02 pm
Operator :
Sample : Ambient
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 16:53:15 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | | |
| 10.002 | 130 | 134996 | | 20 | ppbv | # | 0.02 |
| 12.08 | 114 | 563872 | | 20 | ppbv | | 0.00 |
| 18.39 | 82 | 323558 | | 20 | ppbv | # | 0.00 |
| | | | | | Qvalue | | |
| 5.194 | 41 | 459265 | | 2.33 | ppbv | # | 54 |
| 5.21 | 43 | 594747 | | 19.43 | ppbv | | 94 |
| 5.412 | 85 | 23180 | | 0.06 | ppbv | | 95 |
| 5.724 | 50 | 24348 | | 0.16 | ppbv | | 89 |
| 5.927 | 41 | 83149 | | 0.34 | ppbv | # | 48 |
| 5.896 | 85 | 1261 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 6.192 | 41 | 198963 | m | 0.29 | ppbv | | |
| 6.207 | 54 | 6147 | | Below | Cal | # | 1 |
| 6.317 | 43 | 35026 | m | 0.12 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 6.867 | 31 | 13879140 | | Below | Cal | # | 99 |
| 7.103 | 106 | 684 | m | Below | Cal | | |
| 7.093 | 41 | 12984 | m | 0.02 | ppbv | | |
| 7.196 | 56 | 8103 | | 0.1 | ppbv | # | 93 |
| 7.308 | 43 | 909756 | | 2.81 | ppbv | # | 71 |
| 7.329 | 41 | 45882 | | 0.3 | ppbv | | 88 |
| 7.473 | 101 | 29869 | | 0.03 | ppbv | # | 91 |
| 7.504 | 45 | 108891 | | 2.05 | ppbv | # | 1 |
| 7.504 | 42 | 10612 | | 0.06 | ppbv | # | 23 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219006.D
Acq On : 12 Apr 2019 6:00 pm
Operator :
Sample : Ambient dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 17:10:32 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | | |
| 10.002 | 130 | 131787 | | 20 | ppbv | # | 0.02 |
| 12.08 | 114 | 551839 | | 20 | ppbv | | 0.00 |
| 18.39 | 82 | 317411 | | 20 | ppbv | # | 0.00 |
| | | | | | Qvalue | | |
| 5.21 | 41 | 369732 | | 1.87 | ppbv | # | 50 |
| 5.21 | 43 | 437000 | | 13.35 | ppbv | | 93 |
| 5.428 | 85 | 19802 | | 0.04 | ppbv | | 99 |
| 5.74 | 50 | 19605 | | 0.11 | ppbv | | 90 |
| 5.927 | 41 | 73000 | | 0.28 | ppbv | # | 49 |
| 5.927 | 85 | 1030 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 6.192 | 41 | 176864 | | 0.19 | ppbv | | 98 |
| 6.208 | 54 | 6418 | | Below | Cal | # | 1 |
| 6.317 | 43 | 42449 | | 0.16 | ppbv | # | 69 |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 6.867 | 31 | 11961624 | m | Below | Cal | | |
| 7.124 | 106 | 683 | m | Below | Cal | | |
| 7.103 | 41 | 15194 | | 0.05 | ppbv | # | 24 |
| 7.206 | 56 | 7345 | | 0.09 | ppbv | # | 97 |
| 7.309 | 43 | 865652 | | 2.73 | ppbv | # | 71 |
| 7.329 | 41 | 42402 | | 0.29 | ppbv | | 92 |
| 7.473 | 101 | 30551 | | 0.03 | ppbv | # | 92 |
| 7.514 | 45 | 137257 | | 2.73 | ppbv | # | 1 |
| 7.534 | 42 | 5532 | m | 0.03 | ppbv | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219007.D
Acq On : 12 Apr 2019 6:59 pm
Operator :
Sample : System blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:35:24 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

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|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 10.002 | 130 | 122387 | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 513576 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 261676 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.132 | 41 | 55199 | | 0.1 | ppbv | # 65 |
| 5.194 | 43 | 41091 | m | 0.37 | ppbv | |
| 5.397 | 85 | 2121 | m | Below | Cal | |
| 5.724 | 50 | 6927 | | Below | Cal | # 43 |
| 5.927 | 41 | 50417 | | 0.14 | ppbv | # 33 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 172946 | | 0.24 | ppbv | 98 |
| 6.208 | 54 | 7102 | | Below | Cal | # 1 |
| 6.317 | 43 | 20103 | | 0.07 | ppbv | # 69 |
| 0 | | 0 | | N.D | . d | |
| 6.613 | 94 | 512 | m | Below | Cal | |
| 6.613 | 41 | 1293 | m | Below | Cal | |
| 6.769 | 64 | 1022 | m | Below | Cal | |
| 6.867 | 31 | 1421069 | m | Below | Cal | |
| 7.114 | 106 | 611 | m | Below | Cal | |
| 7.093 | 41 | 20304 | | 0.13 | ppbv | # 24 |
| 7.196 | 56 | 5907 | m | 0.06 | ppbv | |
| 7.309 | 43 | 332931 | | 0.91 | ppbv | # 60 |
| 7.309 | 41 | 13559 | | 0.08 | ppbv | 84 |
| 7.473 | 101 | 2862 | m | Below | Cal | |
| 7.514 | 45 | 29411 | | 0.51 | ppbv | # 1 |
| 7.555 | 42 | 3020 | m | 0.01 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219009.D
Acq On : 12 Apr 2019 8:57 pm
Operator :
Sample : Batch Blank 2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:45:49 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.989 | 130 | 126245 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 525389 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 258096 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.147 | 41 | 48860 | | 0.06 | ppbv # | 71 |
| 5.194 | 43 | 30629 | m | 0.02 | ppbv | |
| 5.397 | 85 | 5296 | m | Below | Cal | |
| 5.724 | 50 | 8246 | m | 0.01 | ppbv | |
| 5.911 | 41 | 59669 | | 0.2 | ppbv # | 17 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 166396 | | 0.17 | ppbv | 99 |
| 6.192 | 54 | 5688 | | Below | Cal # | 1 |
| 6.317 | 43 | 15506 | | 0.04 | ppbv # | 69 |
| 0 | | 0 | | N.D | . d | |
| 6.566 | 94 | 565 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 6.753 | 64 | 1427 | m | Below | Cal | |
| 6.867 | 31 | 217390 | | 2.18 | ppbv # | 96 |
| 7.113 | 106 | 665 | m | Below | Cal | |
| 7.083 | 41 | 25796 | | 0.18 | ppbv # | 24 |
| 7.195 | 56 | 2988 | m | Below | Cal | |
| 7.298 | 43 | 512250 | | 1.53 | ppbv # | 68 |
| 7.298 | 41 | 14427 | m | 0.09 | ppbv | |
| 7.473 | 101 | 6446 | | Below | Cal # | 27 |
| 7.493 | 45 | 9192 | | 0.07 | ppbv # | 1 |
| 7.545 | 42 | 745 | m | Below | Cal | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219011.D
Acq On : 12 Apr 2019 10:56 pm
Operator :
Sample : Trip Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:58:59 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | --- |
| 10.002 | 130 | 131642 | | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 548026 | | | 20 | ppbv | 0.02 |
| 18.396 | 82 | 264052 | | | 20 | ppbv | # 0.02 |
| | | | | | | Qvalue | |
| 5.132 | 41 | 46060 | | | 0.03 | ppbv | # 68 |
| 5.178 | 43 | 33478 | | | 0.07 | ppbv | 86 |
| 5.444 | 85 | 3270 | m | Below | | Cal | |
| 5.74 | 50 | 5176 | m | Below | | Cal | |
| 5.927 | 41 | 44934 | | | 0.07 | ppbv | # 41 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 6.208 | 41 | 158632 | | | 0.08 | ppbv | 99 |
| 6.192 | 54 | 7142 | | Below | | Cal | # 1 |
| 6.332 | 43 | 12088 | | | 0.03 | ppbv | # 69 |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 6.785 | 64 | 589 | m | Below | | Cal | |
| 6.877 | 31 | 38102 | m | | 0.26 | ppbv | |
| 7.124 | 106 | 673 | m | Below | | Cal | |
| 7.113 | 41 | 18707 | | | 0.09 | ppbv | # 24 |
| 7.216 | 56 | 4216 | m | | 0.01 | ppbv | |
| 7.319 | 43 | 271224 | | | 0.61 | ppbv | # 60 |
| 7.319 | 41 | 8911 | m | | 0.04 | ppbv | |
| 7.483 | 101 | 4298 | m | Below | | Cal | |
| 7.514 | 45 | 9085 | | | 0.06 | ppbv | # 1 |
| 7.565 | 42 | 675 | m | Below | | Cal | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219013.D
Acq On : 13 Apr 2019 12:53 am
Operator :
Sample : Field Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 14:53:18 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 10.002 | 130 | 126551 | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 534236 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 261184 | | 20 | ppbv | # 0.00 |
| | | | | | | |
| | | | | | Qvalue | |
| 5.178 | 41 | 88408 | | 0.29 | ppbv # | 78 |
| 5.163 | 43 | 78041 | | 1.45 | ppbv | 93 |
| 5.412 | 85 | 4481 | m | Below | Cal | |
| 5.724 | 50 | 6440 | | Below | Cal # | 43 |
| 5.927 | 41 | 60987 | | 0.21 | ppbv # | 19 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 170732 | | 0.19 | ppbv | 98 |
| 6.192 | 54 | 7024 | | Below | Cal # | 1 |
| 6.317 | 43 | 23353 | | 0.08 | ppbv # | 69 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 6.753 | 64 | 596 | m | Below | Cal | |
| 6.867 | 31 | 8879870 | m | Below | Cal | |
| 7.103 | 106 | 845 | m | Below | Cal | |
| 7.093 | 41 | 15006 | m | 0.06 | ppbv | |
| 7.196 | 56 | 5452 | | 0.05 | ppbv # | 13 |
| 7.309 | 43 | 424774 | | 1.2 | ppbv # | 63 |
| 7.319 | 41 | 18789 | | 0.12 | ppbv | 95 |
| 7.473 | 101 | 6040 | | Below | Cal # | 27 |
| 7.504 | 45 | 68775 | | 1.32 | ppbv # | 1 |
| 7.545 | 42 | 3864 | m | 0.02 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519002.D
Acq On : 15 Apr 2019 7:00 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 14:07:21 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5) | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24) | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | --- |
| 10.002 | 130 | 129694 | | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 537376 | | | 20 | ppbv | 0.02 |
| 18.396 | 82 | 252914 | | | 20 | ppbv | # 0.01 |
| | | | | | | Qvalue | |
| 5.132 | 41 | 44873 | | | 0.03 | ppbv | # 71 |
| 5.178 | 43 | 30993 | | | 0.01 | ppbv | # 59 |
| 5.428 | 85 | 1804 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 5.942 | 41 | 37987 | | | 0.03 | ppbv | # 79 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 6.207 | 41 | 158447 | | | 0.1 | ppbv | 100 |
| 6.223 | 54 | 6231 | | Below | | Cal | # 1 |
| 6.317 | 43 | 8010 | | | 0.01 | ppbv | # 69 |
| 0 | | 0 | | N.D | | . | d |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | d |
| 0 | | 0 | | N.D | | . | |
| 6.887 | 31 | 6545 | | Below | | Cal | # 23 |
| 7.134 | 106 | 764 | m | Below | | Cal | |
| 7.113 | 41 | 9983 | | Below | | Cal | # 24 |
| 7.226 | 56 | 905 | m | Below | | Cal | |
| 7.329 | 43 | 63628 | | Below | | Cal | # 67 |
| 7.329 | 41 | 2957 | m | Below | | Cal | |
| 7.483 | 101 | 2137 | m | Below | | Cal | |
| 7.524 | 45 | 5278 | | Below | | Cal | # 1 |
| 0 | | 0 | | N.D | | . | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519003.D
Acq On : 15 Apr 2019 7:57 pm
Operator :
Sample : 1 ppb
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 19 14:52:46 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8] | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.992 | 130 | 93233 | | 20 | ppbv | # 0.00 |
| 12.086 | 114 | 407894 | | 20 | ppbv | 0.00 |
| 18.387 | 82 | 231464 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.113 | 41 | 129809 | | 0.81 | ppbv # | 86 |
| 5.162 | 43 | 47106 | | 1.02 | ppbv # | 47 |
| 5.43 | 85 | 114426 | | 0.73 | ppbv | 100 |
| 5.723 | 50 | 75464 | | 0.97 | ppbv | 97 |
| 5.931 | 41 | 136149 | | 1.19 | ppbv | 91 |
| 5.918 | 85 | 219606 | | 0.98 | ppbv | 98 |
| 6.065 | 62 | 81222 | | 0.99 | ppbv | 99 |
| 6.211 | 41 | 252461 | | 1.23 | ppbv | 98 |
| 6.26 | 54 | 117409 | | 0.99 | ppbv # | 62 |
| 6.333 | 43 | 188422 | | 1.16 | ppbv | 98 |
| 6.443 | 41 | 124497 | | 1.09 | ppbv | 97 |
| 6.602 | 94 | 66262 | | 1.08 | ppbv | 96 |
| 6.626 | 41 | 128003 | | 1.1 | ppbv | 98 |
| 6.773 | 64 | 40462 | | 1.29 | ppbv # | 76 |
| 6.868 | 31 | 74619 | | 0.92 | ppbv # | 100 |
| 7.125 | 106 | 59769 | | 1.05 | ppbv | 98 |
| 7.094 | 41 | 82924 | | 1.2 | ppbv | 97 |
| 7.207 | 56 | 29116 | | 0.92 | ppbv # | 98 |
| 7.32 | 43 | 385286 | | 1.56 | ppbv # | 87 |
| 7.341 | 41 | 115717 | | 1.2 | ppbv | 98 |
| 7.474 | 101 | 248568 | | 1.25 | ppbv | 97 |
| 7.505 | 45 | 73053 | | 1.99 | ppbv # | 52 |
| 7.567 | 42 | 132958 | | 1.14 | ppbv | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519005.D
Acq On : 15 Apr 2019 9:54 pm
Operator :
Sample : batch blank 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 15:30:26 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.99 | 130 | 129182 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 542503 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 274033 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.132 | 41 | 43311 | | 0.02 | ppbv # | 68 |
| 5.132 | 43 | 26979 | m | Below | Cal | |
| 5.428 | 85 | 2359 | m | Below | Cal | |
| 5.74 | 50 | 5340 | | Below | Cal # | 43 |
| 5.927 | 41 | 42994 | | 0.06 | ppbv # | 60 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 167655 | | 0.15 | ppbv | 100 |
| 6.208 | 54 | 5296 | | Below | Cal # | 1 |
| 6.332 | 43 | 10216 | | 0.02 | ppbv # | 69 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.867 | 31 | 27940 | | 0.16 | ppbv # | 97 |
| 7.124 | 106 | 724 | m | Below | Cal | |
| 7.103 | 41 | 17851 | | 0.08 | ppbv # | 24 |
| 7.206 | 56 | 3567 | m | Below | Cal | |
| 7.309 | 43 | 302578 | | 0.74 | ppbv # | 60 |
| 7.319 | 41 | 10960 | | 0.06 | ppbv | 88 |
| 7.473 | 101 | 3789 | m | Below | Cal | |
| 7.504 | 45 | 10718 | | 0.1 | ppbv # | 1 |
| 7.565 | 42 | 1657 | m | 0 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519006.D
Acq On : 15 Apr 2019 10:53 pm
Operator :
Sample : Sample 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 15:24:16 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18) | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 10.002 | 130 | 139813 | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 568317 | | 20 | ppbv | 0.02 |
| 18.39 | 82 | 307348 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.225 | 41 | 512344 | | 2.53 | ppbv # | 48 |
| 5.225 | 43 | 611442 | | 19.24 | ppbv | 93 |
| 5.443 | 85 | 28157 | | 0.08 | ppbv | 96 |
| 5.755 | 50 | 26292 | | 0.17 | ppbv | 99 |
| 5.942 | 41 | 103071 | | 0.46 | ppbv # | 29 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.223 | 41 | 172614 | | 0.11 | ppbv | 99 |
| 6.223 | 54 | 6331 | | Below | Cal # | 1 |
| 6.348 | 43 | 76103 | | 0.29 | ppbv | 94 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.877 | 31 | 40245838 | | Below | Cal # | 97 |
| 7.124 | 106 | 734 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 7.216 | 56 | 10826 | | 0.16 | ppbv # | 98 |
| 7.319 | 43 | 1236835 | | 3.87 | ppbv # | 69 |
| 7.339 | 41 | 58472 | | 0.38 | ppbv | 93 |
| 7.483 | 101 | 38272 | | 0.05 | ppbv | 98 |
| 7.524 | 45 | 225493 | | 4.49 | ppbv # | 1 |
| 7.545 | 42 | 6547 | m | 0.03 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519007.D
Acq On : 15 Apr 2019 11:51 pm
Operator :
Sample : Sample 1dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 15:21:37 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18) | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 10.002 | 130 | 138141 | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 557948 | | 20 | ppbv | 0.02 |
| 18.39 | 82 | 306307 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.225 | 41 | 527994 | | 2.65 | ppbv # | 48 |
| 5.225 | 43 | 641340 | | 20.92 | ppbv | 94 |
| 5.428 | 85 | 26704 | | 0.07 | ppbv | 96 |
| 5.74 | 50 | 28261 | | 0.19 | ppbv | 98 |
| 5.943 | 41 | 107949 | | 0.51 | ppbv # | 31 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.208 | 41 | 178977 | | 0.15 | ppbv | 97 |
| 6.223 | 54 | 8062 | | Below | Cal # | 1 |
| 6.332 | 43 | 66453 | m | 0.25 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 6.629 | 94 | 625 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.877 | 31 | 38594726 | m | Below | Cal | |
| 7.124 | 106 | 685 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 7.216 | 56 | 11029 | | 0.16 | ppbv # | 99 |
| 7.319 | 43 | 1233717 | | 3.91 | ppbv # | 69 |
| 7.339 | 41 | 58846 | | 0.39 | ppbv | 92 |
| 7.483 | 101 | 38340 | | 0.06 | ppbv # | 92 |
| 7.514 | 45 | 232493 | | 4.72 | ppbv # | 1 |
| 7.545 | 42 | 8347 | m | 0.04 | ppbv | |

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519009.D
Acq On : 16 Apr 2019 1:48 am
Operator :
Sample : Sample 2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 14:37:56 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18) | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 9.99 | 130 | 144530 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 566721 | | 20 | ppbv | 0.00 |
| 18.384 | 82 | 322409 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.225 | 41 | 4838935 | | 29.88 | ppbv # | 44 |
| 5.225 | 43 | 6813550 | | Below | Cal | 85 |
| 5.412 | 85 | 31148 | | 0.09 | ppbv | 99 |
| 5.724 | 50 | 28091 | | 0.17 | ppbv | 96 |
| 5.927 | 41 | 396183 | | 2.56 | ppbv # | 84 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 201475 | | 0.23 | ppbv | 99 |
| 6.223 | 54 | 9977 | | 0 | ppbv # | 1 |
| 6.317 | 43 | 121729 | | 0.46 | ppbv | 97 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.836 | 31 | 67861570 | m | Below | Cal | |
| 7.124 | 106 | 582 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 7.196 | 56 | 13922 | | 0.22 | ppbv # | 96 |
| 7.309 | 43 | 1209942 | | 3.63 | ppbv # | 67 |
| 7.319 | 41 | 48665 | | 0.3 | ppbv | 90 |
| 7.473 | 101 | 38080 | | 0.05 | ppbv # | 89 |
| 7.504 | 45 | 681385 | | Below | Cal # | 1 |
| 7.545 | 42 | 12475 | m | 0.06 | ppbv | |

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519011.D
Acq On : 16 Apr 2019 3:45 am
Operator :
Sample : Sample 3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 15:20:13 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 10.014 | 130 | 137653 | | 20 | ppbv | # 0.03 |
| 12.092 | 114 | 556621 | | 20 | ppbv | 0.02 |
| 18.39 | 82 | 314252 | | 20 | ppbv | # 0.00 |
| | | | | | | |
| | | | | | Qvalue | |
| 5.241 | 41 | 1492055 | | 8.22 | ppbv # | 47 |
| 5.241 | 43 | 2015253 | | Below | Cal | 88 |
| 5.443 | 85 | 34582 | | 0.11 | ppbv | 96 |
| 5.755 | 50 | 29968 | | 0.2 | ppbv | 97 |
| 5.958 | 41 | 177896 | | 1.02 | ppbv # | 55 |
| 5.958 | 85 | 1598 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.223 | 41 | 202290 | | 0.28 | ppbv | 99 |
| 6.254 | 54 | 8204 | | Below | Cal # | 1 |
| 6.348 | 43 | 66453 | | 0.25 | ppbv | 99 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.504 | 31 | 60202 | | 0.45 | ppbv # | 39 |
| 7.144 | 106 | 756 | m | Below | Cal | |
| 7.113 | 41 | 27670 | | 0.18 | ppbv # | 24 |
| 7.226 | 56 | 8375 | | 0.1 | ppbv # | 100 |
| 7.329 | 43 | 1209959 | | 3.84 | ppbv # | 69 |
| 7.36 | 41 | 63504 | | 0.42 | ppbv | 92 |
| 7.504 | 101 | 40234 | m | 0.06 | ppbv | |
| 7.524 | 45 | 725721 | m | Below | Cal | |
| 7.524 | 42 | 73188 | | 0.42 | ppbv # | 23 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519013.D
Acq On : 16 Apr 2019 5:41 am
Operator :
Sample : Sample 4
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 24 15:50:39 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18) | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 10.002 | 130 | 146028 | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 574051 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 325795 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.225 | 41 | 1400107 | | 7.19 | ppbv | # 48 |
| 5.225 | 43 | 1909193 | | Below | Cal | 88 |
| 5.412 | 85 | 31727 | | 0.09 | ppbv | 100 |
| 5.74 | 50 | 31323 | | 0.2 | ppbv | 97 |
| 5.927 | 41 | 213040 | m | 1.19 | ppbv | |
| 5.911 | 85 | 2361 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.208 | 41 | 238293 | | 0.41 | ppbv | 97 |
| 6.223 | 54 | 11392 | | 0.01 | ppbv | # 1 |
| 6.332 | 43 | 259406 | | 1.01 | ppbv | 99 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.836 | 31 | 72692591 | m | Below | Cal | |
| 7.124 | 106 | 814 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 7.206 | 56 | 22520 | | 0.4 | ppbv | # 98 |
| 7.309 | 43 | 1950596 | | 6.32 | ppbv | # 65 |
| 7.339 | 41 | 101397 | | 0.65 | ppbv | 98 |
| 7.483 | 101 | 44970 | | 0.07 | ppbv | # 80 |
| 7.514 | 45 | 282245 | m | 5.56 | ppbv | |
| 7.535 | 42 | 15043 | m | 0.08 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519015.D
Acq On : 16 Apr 2019 7:41 am
Operator :
Sample : Sample 5
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 09:36:36 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18) | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 10.002 | 130 | 148354 | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 578966 | | 20 | ppbv | 0.02 |
| 18.39 | 82 | 322021 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.225 | 41 | 1193970 | | 5.95 | ppbv # | 48 |
| 5.225 | 43 | 1574490 | m | Below | Cal | |
| 5.428 | 85 | 30919 | | 0.08 | ppbv | 99 |
| 5.74 | 50 | 28352 | | 0.17 | ppbv | 96 |
| 5.927 | 41 | 225396 | m | 1.25 | ppbv | |
| 5.896 | 85 | 1608 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 245272 | | 0.42 | ppbv | 94 |
| 6.239 | 54 | 11115 | | 0.01 | ppbv # | 1 |
| 6.332 | 43 | 274897 | | 1.06 | ppbv | 99 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.629 | 41 | 6107 | | 0.02 | ppbv # | 30 |
| 0 | | 0 | | N.D | . | |
| 6.836 | 31 | 75281331 | m | Below | Cal | |
| 7.124 | 106 | 794 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 7.206 | 56 | 23498 | | 0.42 | ppbv # | 99 |
| 7.309 | 43 | 3284695 | | 12.19 | ppbv # | 68 |
| 7.319 | 41 | 128783 | | 0.82 | ppbv | 88 |
| 7.483 | 101 | 49722 | | 0.08 | ppbv # | 74 |
| 7.504 | 45 | 542578 | | 13.56 | ppbv # | 1 |
| 7.534 | 42 | 17340 | m | 0.09 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519017.D
Acq On : 16 Apr 2019 9:49 am
Operator :
Sample : Sample 6
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 09:55:22 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | |
| 10.002 | 130 | 135497 | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 550130 | | 20 | ppbv | 0.00 |
| 18.384 | 82 | 321347 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.225 | 41 | 1260021 | | 6.96 | ppbv | # 49 |
| 5.225 | 43 | 1657339 | | Below | Cal | 88 |
| 5.412 | 85 | 29731 | | 0.09 | ppbv | 100 |
| 5.74 | 50 | 29065 | | 0.2 | ppbv | 97 |
| 5.927 | 41 | 247969 | m | 1.58 | ppbv | |
| 5.942 | 85 | 2017 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.207 | 41 | 273018 | | 0.7 | ppbv | 98 |
| 6.239 | 54 | 13877 | | 0.03 | ppbv | # 1 |
| 6.332 | 43 | 206738 | | 0.86 | ppbv | 94 |
| 6.441 | 41 | 4763 | m | 0.01 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.846 | 31 | 62448277 | m | Below | Cal | |
| 7.134 | 106 | 691 | m | Below | Cal | |
| 7.083 | 41 | 34543 | | 0.25 | ppbv | # 24 |
| 7.206 | 56 | 22291 | | 0.44 | ppbv | # 98 |
| 7.308 | 43 | 2590944 | | 9.95 | ppbv | # 67 |
| 7.329 | 41 | 134284 | | 0.95 | ppbv | 96 |
| 7.483 | 101 | 50474 | | 0.1 | ppbv | # 74 |
| 7.504 | 45 | 470863 | | 12.38 | ppbv | # 1 |
| 7.545 | 42 | 14026 | m | 0.08 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619002.D
Acq On : 16 Apr 2019 6:58 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:47:01 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5) | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10) | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22) | | | | | | Trichlorofluoromethane |
| 23) | | | | | | Isopropyl Alcohol |
| 24) | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | --- |
| 10.002 | 130 | 111253 | | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 476992 | | | 20 | ppbv | 0.02 |
| 18.396 | 82 | 219049 | | | 20 | ppbv | # 0.01 |
| | | | | | | Qvalue | |
| 5.163 | 41 | 35689 | | | 0.01 | ppbv | # 70 |
| 5.147 | 43 | 27734 | | | 0.05 | ppbv | 91 |
| 5.397 | 85 | 1881 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 5.942 | 41 | 32773 | | | 0.03 | ppbv | 84 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 6.192 | 41 | 143144 | | | 0.15 | ppbv | 97 |
| 0 | | 0 | | N.D | | . | |
| 6.332 | 43 | 7582 | | | 0.01 | ppbv | # 69 |
| 0 | | 0 | | N.D | | . | d |
| 0 | | 0 | | N.D | | . | |
| 6.192 | 41 | 124434 | | | 0.89 | ppbv | # 84 |
| 0 | | 0 | | N.D | | . | |
| 6.888 | 31 | 11190 | | | 0.01 | ppbv | # 97 |
| 7.124 | 106 | 683 | m | Below | | Cal | |
| 7.103 | 41 | 8835 | | Below | | Cal | # 24 |
| 7.226 | 56 | 830 | m | Below | | Cal | |
| 7.319 | 43 | 45761 | | Below | | Cal | # 71 |
| 7.319 | 41 | 3371 | m | | 0.01 | ppbv | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619003.D
Acq On : 16 Apr 2019 7:57 pm
Operator :
Sample : 1 ppb
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:01:10 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8] | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10.003 | 130 | 78554 | | 20 | ppbv | # 0.02 |
| 12.085 | 114 | 358591 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 200432 | | 20 | ppbv | # 0.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | Qvalue | |
| 5.113 | 41 | 101784 | | 0.73 | ppbv # | 85 |
| 5.162 | 43 | 38732 | | 0.97 | ppbv | 89 |
| 5.418 | 85 | 93568 | | 0.71 | ppbv | 100 |
| 5.723 | 50 | 59981 | | 0.91 | ppbv | 97 |
| 5.943 | 41 | 114888 | | 1.2 | ppbv | 97 |
| 5.931 | 85 | 191223 | | 1.02 | ppbv | 98 |
| 6.077 | 62 | 70223 | | 1.02 | ppbv | 98 |
| 6.211 | 41 | 211314 | | 1.22 | ppbv | 100 |
| 6.26 | 54 | 100480 | | 1.01 | ppbv # | 60 |
| 6.333 | 43 | 163470 | | 1.2 | ppbv | 99 |
| 6.455 | 41 | 105164 | | 1.1 | ppbv | 98 |
| 6.614 | 94 | 59128 | | 1.15 | ppbv | 97 |
| 6.639 | 41 | 107847 | | 1.1 | ppbv | 98 |
| 6.785 | 64 | 35191 | | 1.35 | ppbv # | 76 |
| 6.889 | 31 | 68476 | | 1.02 | ppbv # | 98 |
| 7.125 | 106 | 51459 | | 1.07 | ppbv | 100 |
| 7.094 | 41 | 72698 | | 1.25 | ppbv | 91 |
| 7.218 | 56 | 24842 | | 0.93 | ppbv # | 94 |
| 7.33 | 43 | 299673 | | 1.42 | ppbv # | 91 |
| 7.351 | 41 | 100415 | | 1.23 | ppbv | 98 |
| 7.484 | 101 | 222706 | | 1.34 | ppbv | 97 |
| 7.515 | 45 | 59209 | | 1.9 | ppbv # | 58 |
| 7.567 | 42 | 116582 | | 1.19 | ppbv | 97 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619005.D
Acq On : 16 Apr 2019 9:57 pm
Operator :
Sample : batch blank 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:56:15 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10) | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24) | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 10.002 | 130 | 110994 | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 463757 | | 20 | ppbv | 0.02 |
| 18.396 | 82 | 231970 | | 20 | ppbv | # 0.02 |
| | | | | | Qvalue | |
| 5.147 | 41 | 40895 | | 0.04 | ppbv # | 71 |
| 5.163 | 43 | 29066 | | 0.09 | ppbv | 98 |
| 5.412 | 85 | 3990 | m | Below | Cal | |
| 5.724 | 50 | 9017 | | 0.03 | ppbv # | 43 |
| 5.927 | 41 | 55897 | | 0.23 | ppbv # | 11 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.208 | 41 | 162729 | | 0.28 | ppbv | 98 |
| 0 | | 0 | | N.D | . | |
| 6.332 | 43 | 13921 | | 0.05 | ppbv # | 69 |
| 0 | | 0 | | N.D | . d | |
| 6.597 | 94 | 638 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 6.769 | 64 | 1449 | m | Below | Cal | |
| 6.867 | 31 | 219308 | | 2.54 | ppbv # | 92 |
| 7.124 | 106 | 735 | m | Below | Cal | |
| 7.103 | 41 | 21588 | | 0.17 | ppbv # | 24 |
| 7.216 | 56 | 3057 | m | Below | Cal | |
| 7.319 | 43 | 540050 | | 1.91 | ppbv # | 71 |
| 7.319 | 41 | 16383 | | 0.12 | ppbv # | 81 |
| 7.483 | 101 | 5624 | | Below | Cal # | 27 |
| 7.504 | 45 | 8320 | | 0.08 | ppbv # | 1 |
| 0 | | 0 | | N.D | . d | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619006.D
Acq On : 16 Apr 2019 11:02 pm
Operator :
Sample : Sample 7
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 11:00:45 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.99 | 130 | 137624 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 547675 | | 20 | ppbv | 0.00 |
| 18.384 | 82 | 316449 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.21 | 41 | 935365 | | 4.96 | ppbv # | 49 |
| 5.225 | 43 | 1108809 | m | Below | Cal | |
| 5.412 | 85 | 26700 | | 0.07 | ppbv | 99 |
| 5.724 | 50 | 24991 | | 0.16 | ppbv | 98 |
| 5.911 | 41 | 249035 | | 1.56 | ppbv # | 1 |
| 5.911 | 85 | 1779 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 292344 | | 0.78 | ppbv | 95 |
| 6.239 | 54 | 15683 | | 0.04 | ppbv # | 1 |
| 6.317 | 43 | 174793 | | 0.71 | ppbv | 96 |
| 0 | | 0 | | N.D | . d | |
| 6.582 | 94 | 706 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 6.769 | 64 | 953 | m | Below | Cal | |
| 6.826 | 31 | 76961020 | m | Below | Cal | |
| 7.124 | 106 | 746 | m | Below | Cal | |
| 7.072 | 41 | 74009 | | 0.67 | ppbv # | 9 |
| 7.196 | 56 | 38041 | | 0.8 | ppbv # | 97 |
| 7.298 | 43 | 3503903 | | 15.15 | ppbv # | 68 |
| 7.309 | 41 | 158051 | | 1.1 | ppbv | 94 |
| 7.473 | 101 | 45416 | | 0.08 | ppbv # | 80 |
| 7.493 | 45 | 1029015 | m | Below | Cal | |
| 7.534 | 42 | 24712 | m | 0.14 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619007.D
Acq On : 17 Apr 2019 12:08 am
Operator :
Sample : Sample 7dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 11:04:46 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.99 | 130 | 136984 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 537343 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 308318 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.21 | 41 | 1072650 | | 5.78 | ppbv # | 51 |
| 5.21 | 43 | 1248294 | m | Below | Cal | |
| 5.412 | 85 | 30674 | | 0.09 | ppbv | 94 |
| 5.724 | 50 | 28640 | | 0.19 | ppbv | 90 |
| 5.927 | 41 | 254373 | | 1.61 | ppbv # | 1 |
| 5.911 | 85 | 1985 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 305242 | | 0.86 | ppbv | 96 |
| 6.223 | 54 | 15707 | | 0.04 | ppbv # | 1 |
| 6.317 | 43 | 189714 | | 0.78 | ppbv | 97 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 6.753 | 64 | 1244 | m | Below | Cal | |
| 6.826 | 31 | 79508670 | m | Below | Cal | |
| 7.114 | 106 | 829 | m | Below | Cal | |
| 7.073 | 41 | 78533 | m | 0.72 | ppbv | |
| 7.196 | 56 | 39389 | | 0.84 | ppbv # | 99 |
| 7.298 | 43 | 3537632 | | 15.52 | ppbv # | 68 |
| 7.319 | 41 | 161108 | | 1.13 | ppbv | 94 |
| 7.473 | 101 | 44018 | | 0.08 | ppbv # | 80 |
| 7.504 | 45 | 947292 | m | Below | Cal | |
| 7.535 | 42 | 34875 | m | 0.19 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619009.D
Acq On : 17 Apr 2019 2:15 am
Operator :
Sample : Sample 8
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 11:18:49 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.99 | 130 | 128421 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 510062 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 307072 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.21 | 41 | 1251904 | | 7.32 | ppbv # | 56 |
| 5.225 | 43 | 1478778 | m | Below | Cal | |
| 5.412 | 85 | 28732 | | 0.09 | ppbv | 99 |
| 5.724 | 50 | 30352 | | 0.23 | ppbv | 97 |
| 5.927 | 41 | 274052 | | 1.9 | ppbv # | 1 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 415725 | | 1.65 | ppbv | 96 |
| 6.239 | 54 | 22472 | | 0.09 | ppbv # | 1 |
| 6.317 | 43 | 119295 | | 0.51 | ppbv # | 91 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 6.769 | 64 | 1163 | m | Below | Cal | |
| 6.836 | 31 | 66564043 | m | Below | Cal | |
| 7.124 | 106 | 766 | m | Below | Cal | |
| 7.072 | 41 | 49996 | | 0.45 | ppbv # | 24 |
| 7.196 | 56 | 46853 | | 1.1 | ppbv # | 99 |
| 7.298 | 43 | 4817402 | | Below | Cal # | 67 |
| 7.309 | 41 | 194638 | | 1.48 | ppbv | 94 |
| 7.473 | 101 | 39387 | | 0.07 | ppbv # | 84 |
| 7.504 | 45 | 721417 | m | Below | Cal | |
| 7.524 | 42 | 31640 | m | 0.19 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619011.D
Acq On : 17 Apr 2019 4:14 am
Operator :
Sample : Sample 9
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 17:05:59 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | | |
| 10.002 | 130 | 119857 | | 20 | ppbv | # | 0.02 |
| 12.08 | 114 | 492091 | | 20 | ppbv | | 0.00 |
| 18.39 | 82 | 291641 | | 20 | ppbv | # | 0.00 |
| | | | | | Qvalue | | |
| 5.163 | 41 | 1123322 | | 7.02 | ppbv | # | 55 |
| 5.194 | 43 | 1393443 | | Below | Cal | | 89 |
| 5.412 | 85 | 28315 | | 0.1 | ppbv | | 99 |
| 5.709 | 50 | 30377 | | 0.25 | ppbv | | 94 |
| 5.927 | 41 | 254692 | | 1.89 | ppbv | # | 1 |
| 5.911 | 85 | 1195 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 6.192 | 41 | 408195 | | 1.79 | ppbv | | 97 |
| 6.223 | 54 | 19382 | | 0.08 | ppbv | # | 1 |
| 6.332 | 43 | 109800 | | 0.5 | ppbv | | 94 |
| 6.442 | 41 | 9540 | | 0.05 | ppbv | # | 31 |
| 6.598 | 94 | 490 | m | Below | Cal | | |
| 6.629 | 41 | 6586 | m | 0.03 | ppbv | | |
| 6.769 | 64 | 1422 | m | Below | Cal | | |
| 6.847 | 31 | 56386509 | m | Below | Cal | | |
| 7.114 | 106 | 666 | m | Below | Cal | | |
| 7.083 | 41 | 39004 | | 0.36 | ppbv | # | 24 |
| 7.196 | 56 | 48945 | | 1.24 | ppbv | # | 99 |
| 7.309 | 43 | 2967013 | | 14.46 | ppbv | # | 63 |
| 7.319 | 41 | 132627 | | 1.06 | ppbv | | 90 |
| 7.473 | 101 | 34533 | | 0.06 | ppbv | # | 88 |
| 7.504 | 45 | 1474913 | | Below | Cal | # | 1 |
| 7.535 | 42 | 22001 | m | 0.14 | ppbv | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619013.D
Acq On : 17 Apr 2019 6:14 am
Operator :
Sample : Sample 10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 09:52:48 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | | |
| 10.014 | 130 | 116042 | | 20 | ppbv | # | 0.03 |
| 12.092 | 114 | 479799 | | 20 | ppbv | | 0.02 |
| 18.396 | 82 | 268095 | | 20 | ppbv | # | 0.01 |
| | | | | | Qvalue | | |
| 5.225 | 41 | 1106460 | | 7.15 | ppbv | # | 51 |
| 5.225 | 43 | 1399630 | m | Below | Cal | | |
| 5.428 | 85 | 27488 | | 0.1 | ppbv | | 98 |
| 5.724 | 50 | 31074 | | 0.27 | ppbv | | 98 |
| 5.942 | 41 | 221723 | | 1.66 | ppbv | # | 1 |
| 5.942 | 85 | 2093 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 6.208 | 41 | 284166 | | 1.03 | ppbv | | 96 |
| 6.223 | 54 | 12914 | | 0.04 | ppbv | # | 1 |
| 6.348 | 43 | 66340 | | 0.3 | ppbv | | 99 |
| 6.457 | 41 | 6270 | | 0.03 | ppbv | # | 31 |
| 6.613 | 94 | 652 | m | Below | Cal | | |
| 6.208 | 41 | 221844 | | 1.55 | ppbv | | 96 |
| 6.8 | 64 | 1131 | m | Below | Cal | | |
| 6.504 | 31 | 78617 | | 0.76 | ppbv | # | 23 |
| 7.134 | 106 | 710 | m | Below | Cal | | |
| 7.103 | 41 | 36953 | | 0.35 | ppbv | # | 24 |
| 7.216 | 56 | 30964 | | 0.77 | ppbv | # | 100 |
| 7.329 | 43 | 2314687 | | 10.53 | ppbv | # | 68 |
| 7.35 | 41 | 114592 | | 0.94 | ppbv | | 97 |
| 7.493 | 101 | 34011 | | 0.06 | ppbv | # | 91 |
| 7.524 | 45 | 676139 | | Below | Cal | # | 1 |
| 7.555 | 42 | 21799 | m | 0.14 | ppbv | | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619015.D
Acq On : 17 Apr 2019 8:15 am
Operator :
Sample : Sample 11
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 10:22:51 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9) | | | | | | 1-Butene |
| 10) | | | | | | 1,3-Butadiene |
| 11) | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 10.014 | 130 | 111359 | | 20 | ppbv | #-0.03 |
| 12.092 | 114 | 465446 | | 20 | ppbv | -0.05 |
| 18.396 | 82 | 241073 | | 20 | ppbv | #-0.03 |
| | | | | | Qvalue | |
| 5.225 | 41 | 763345 | m | 5.01 | ppbv | |
| 5.21 | 43 | 1023340 | m | Below | Cal | |
| 5.755 | 85 | 3351 | m | Below | Cal | |
| 5.74 | 50 | 28908 | | 0.26 | ppbv | 98 |
| 6.208 | 41 | 213263 | | 1.67 | ppbv # | 27 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 6.877 | 31 | 46717513 | | Below | Cal # | 91 |
| 7.144 | 106 | 721 | m | Below | Cal | |
| 7.103 | 41 | 19304 | m | 0.14 | ppbv | |
| 7.216 | 56 | 21392 | m | 0.53 | ppbv | |
| 7.319 | 43 | 1695582 | | 7.42 | ppbv # | 66 |
| 7.339 | 41 | 76062 | | 0.64 | ppbv | 99 |
| 7.493 | 101 | 30870 | | 0.06 | ppbv # | 93 |
| 7.524 | 45 | 1019593 | | Below | Cal # | 1 |
| 7.565 | 42 | 14520 | m | 0.1 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619017.D
Acq On : 17 Apr 2019 10:16 am
Operator :
Sample : Sample 12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 10:41:16 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 10.014 | 130 | 111485 | | 20 | ppbv | # 0.03 |
| 12.092 | 114 | 458232 | | 20 | ppbv | 0.02 |
| 18.396 | 82 | 251044 | | 20 | ppbv | # 0.02 |
| | | | | | Qvalue | |
| 5.147 | 41 | 493245 | | 3.11 | ppbv # | 53 |
| 5.163 | 43 | 590022 | | 25.46 | ppbv | 93 |
| 5.397 | 85 | 25183 | | 0.09 | ppbv | 99 |
| 5.709 | 50 | 24132 | | 0.2 | ppbv | 99 |
| 5.927 | 41 | 187038 | | 1.42 | ppbv # | 1 |
| 5.943 | 85 | 1443 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.192 | 41 | 162589 | | 0.27 | ppbv | 95 |
| 6.208 | 54 | 7311 | | Below | Cal # | 1 |
| 6.332 | 43 | 59053 | | 0.28 | ppbv | 98 |
| 0 | | 0 | | N.D | . d | |
| 6.613 | 94 | 11558 | m | 0.07 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 6.785 | 64 | 527 | m | Below | Cal | |
| 6.488 | 31 | 12957 | | 0.03 | ppbv # | 23 |
| 7.134 | 106 | 522 | m | Below | Cal | |
| 7.093 | 41 | 31853 | | 0.3 | ppbv # | 24 |
| 7.216 | 56 | 25492 | | 0.65 | ppbv # | 98 |
| 7.319 | 43 | 955890 | | 3.73 | ppbv # | 65 |
| 7.339 | 41 | 50369 | | 0.41 | ppbv | 92 |
| 7.493 | 101 | 29996 | | 0.05 | ppbv # | 93 |
| 7.524 | 45 | 135878 | m | 3.26 | ppbv | |
| 7.545 | 42 | 11679 | m | 0.08 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719002.D
Acq On : 17 Apr 2019 4:36 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 11:00:46 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5) | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10) | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24) | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | --- |
| 10.014 | 130 | 104590 | | | 20 | ppbv | # 0.03 |
| 12.104 | 114 | 451638 | | | 20 | ppbv | 0.03 |
| 18.402 | 82 | 198527 | | | 20 | ppbv | # 0.02 |
| | | | | | | Qvalue | |
| 5.132 | 41 | 35831 | | | 0.02 | ppbv | # 69 |
| 5.163 | 43 | 26693 | | | 0.07 | ppbv | # 79 |
| 5.428 | 85 | 1653 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 5.943 | 41 | 29391 | | | 0.01 | ppbv | 85 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 6.208 | 41 | 133524 | | | 0.14 | ppbv | 99 |
| 0 | | 0 | | N.D | | . | |
| 6.348 | 43 | 5777 | | | 0.01 | ppbv | # 69 |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 6.898 | 31 | 11997 | | | 0.03 | ppbv | # 99 |
| 7.144 | 106 | 479 | m | Below | | Cal | |
| 7.144 | 41 | 7509 | | Below | | Cal | # 24 |
| 7.247 | 56 | 783 | m | Below | | Cal | |
| 7.339 | 43 | 39576 | | Below | | Cal | # 70 |
| 7.35 | 41 | 2259 | m | Below | | Cal | |
| 7.504 | 101 | 1449 | m | Below | | Cal | |
| 7.534 | 45 | 2940 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719003.D
Acq On : 17 Apr 2019 5:34 pm
Operator :
Sample : 1 ppb
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 10:48:31 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8] | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | | |
| 10.003 | 130 | 74588 | | 20 | ppbv | # | 0.02 |
| 12.085 | 114 | 338934 | | 20 | ppbv | | 0.00 |
| 18.391 | 82 | 185270 | | 20 | ppbv | # | 0.00 |
| | | | | | Qvalue | | |
| 5.101 | 41 | 94985 | m | 0.72 | ppbv | | |
| 5.162 | 43 | 35364 | | 0.9 | ppbv | | 91 |
| 5.394 | 85 | 88746 | | 0.71 | ppbv | | 100 |
| 5.711 | 50 | 54752 | | 0.87 | ppbv | | 99 |
| 5.943 | 41 | 107024 | | 1.17 | ppbv | | 100 |
| 5.919 | 85 | 176832 | | 0.99 | ppbv | | 98 |
| 6.065 | 62 | 64530 | | 0.98 | ppbv | | 99 |
| 6.199 | 41 | 198912 | | 1.2 | ppbv | | 98 |
| 6.248 | 54 | 92763 | | 0.98 | ppbv | # | 62 |
| 6.321 | 43 | 142964 | | 1.1 | ppbv | | 99 |
| 6.456 | 41 | 97198 | | 1.07 | ppbv | | 97 |
| 6.602 | 94 | 54155 | | 1.1 | ppbv | | 97 |
| 6.639 | 41 | 100744 | | 1.08 | ppbv | | 98 |
| 6.773 | 64 | 32771 | | 1.31 | ppbv | # | 76 |
| 6.879 | 31 | 61982 | | 0.96 | ppbv | # | 100 |
| 7.125 | 106 | 46901 | | 1.03 | ppbv | | 97 |
| 7.094 | 41 | 65632 | | 1.18 | ppbv | | 94 |
| 7.207 | 56 | 22750 | | 0.9 | ppbv | # | 94 |
| 7.32 | 43 | 269218 | | 1.32 | ppbv | # | 91 |
| 7.351 | 41 | 93184 | | 1.21 | ppbv | | 97 |
| 7.485 | 101 | 207030 | | 1.31 | ppbv | | 99 |
| 7.515 | 45 | 54474 | | 1.84 | ppbv | # | 57 |
| 7.567 | 42 | 107827 | | 1.16 | ppbv | | 96 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719005.D
Acq On : 17 Apr 2019 7:33 pm
Operator :
Sample : batch blank 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 11:18:35 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7) | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | --- |
| 10.002 | 130 | 100268 | | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 438288 | | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 224873 | | | 20 | ppbv | # 0.00 |
| | | | | | | Qvalue | |
| 5.116 | 41 | 37538 | | | 0.05 | ppbv | # 68 |
| 5.116 | 43 | 28386 | | | 0.17 | ppbv | 98 |
| 5.381 | 85 | 2019 | m | Below | | Cal | |
| 5.724 | 50 | 3034 | m | Below | | Cal | |
| 5.927 | 41 | 36832 | | | 0.1 | ppbv | # 75 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 6.192 | 41 | 144299 | | | 0.26 | ppbv | 100 |
| 6.192 | 54 | 5119 | | Below | | Cal | # 1 |
| 6.317 | 43 | 10745 | | | 0.04 | ppbv | # 69 |
| 0 | | 0 | | N.D | | . | d |
| 0 | | 0 | | N.D | | . | |
| 6.192 | 41 | 105788 | | | 0.84 | ppbv | 90 |
| 0 | | 0 | | N.D | | . | |
| 6.877 | 31 | 495335 | | | 7.47 | ppbv | # 99 |
| 7.113 | 106 | 596 | m | Below | | Cal | |
| 7.103 | 41 | 15745 | | | 0.11 | ppbv | # 24 |
| 7.206 | 56 | 2663 | m | Below | | Cal | |
| 7.308 | 43 | 259546 | | | 0.85 | ppbv | # 60 |
| 7.319 | 41 | 9438 | | | 0.07 | ppbv | 84 |
| 7.473 | 101 | 3059 | m | Below | | Cal | |
| 7.504 | 45 | 11262 | | | 0.17 | ppbv | # 1 |
| 7.565 | 42 | 274 | m | Below | | Cal | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719006.D
Acq On : 17 Apr 2019 8:33 pm
Operator :
Sample : Sample 13
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 12:07:08 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18) | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 10.002 | 130 | 104962 | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 434422 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 228908 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.147 | 41 | 541292 | | 3.68 | ppbv | # 48 |
| 5.163 | 43 | 644125 | | 33.07 | ppbv | 92 |
| 5.412 | 85 | 21547 | | 0.08 | ppbv | # 42 |
| 5.709 | 50 | 20517 | | 0.17 | ppbv | 97 |
| 5.927 | 41 | 174676 | | 1.4 | ppbv | # 1 |
| 5.896 | 85 | 1551 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.176 | 41 | 163376 | | 0.35 | ppbv | 96 |
| 6.192 | 54 | 6894 | | Below | Cal | # 1 |
| 6.317 | 43 | 110593 | | 0.59 | ppbv | # 93 |
| 0 | | 0 | | N.D | . | d |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | d |
| 6.769 | 64 | 852 | m | Below | Cal | |
| 6.877 | 31 | 37759032 | m | Below | Cal | |
| 7.113 | 106 | 534 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | d |
| 7.206 | 56 | 12683 | | 0.3 | ppbv | # 100 |
| 7.309 | 43 | 1257755 | m | 5.54 | ppbv | |
| 7.329 | 41 | 80423 | | 0.72 | ppbv | 99 |
| 7.473 | 101 | 31256 | | 0.07 | ppbv | # 94 |
| 7.504 | 45 | 400249 | | 14.75 | ppbv | # 1 |
| 7.545 | 42 | 10142 | m | 0.07 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719007.D
Acq On : 17 Apr 2019 9:32 pm
Operator :
Sample : Sample 13dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 15:19:22 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13] | | | | | | Bromomethane |
| 14) | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | |
|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- |
| 9.99 | 130 | 108832 | | 20 | ppbv | # 0.00 |
| 12.08 | 114 | 454679 | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 232245 | | 20 | ppbv | # 0.00 |
| | | | | | Qvalue | |
| 5.132 | 41 | 555228 | | 3.63 | ppbv # | 49 |
| 5.147 | 43 | 662251 | | 32.51 | ppbv | 93 |
| 5.366 | 85 | 22138 | | 0.08 | ppbv | 95 |
| 5.693 | 50 | 19990 | | 0.16 | ppbv | 99 |
| 5.911 | 41 | 190266 | | 1.49 | ppbv # | 1 |
| 5.896 | 85 | 1645 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 6.176 | 41 | 154002 | | 0.24 | ppbv | 94 |
| 6.176 | 54 | 5919 | m | Below | Cal | |
| 6.301 | 43 | 111199 | | 0.57 | ppbv # | 93 |
| 0 | | 0 | | N.D | . d | |
| 6.597 | 94 | 496 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 6.769 | 64 | 1079 | m | Below | Cal | |
| 6.857 | 31 | 38875953 | m | Below | Cal | |
| 7.113 | 106 | 709 | m | Below | Cal | |
| 7.072 | 41 | 24045 | | 0.21 | ppbv # | 24 |
| 7.196 | 56 | 12134 | | 0.27 | ppbv # | 95 |
| 7.298 | 43 | 1234330 | | 5.19 | ppbv # | 68 |
| 7.319 | 41 | 81401 | | 0.7 | ppbv | 95 |
| 7.463 | 101 | 31433 | | 0.06 | ppbv # | 93 |
| 7.504 | 45 | 412014 | | 14.53 | ppbv # | 1 |
| 7.524 | 42 | 11781 | m | 0.08 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719009.D
Acq On : 17 Apr 2019 11:32 pm
Operator :
Sample : Sample 14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 09:24:14 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | --- |
| 10.002 | 130 | 109293 | | | 20 | ppbv | # 0.02 |
| 12.092 | 114 | 447228 | | | 20 | ppbv | 0.02 |
| 18.39 | 82 | 247112 | | | 20 | ppbv | # 0.00 |
| | | | | | | Qvalue | |
| 5.21 | 41 | 879018 | | | 5.95 | ppbv | # 51 |
| 5.21 | 43 | 1072854 | m | Below | | Cal | |
| 5.397 | 85 | 24165 | | | 0.09 | ppbv | 100 |
| 5.724 | 50 | 23633 | | | 0.2 | ppbv | 98 |
| 5.927 | 41 | 228185 | m | | 1.85 | ppbv | |
| 5.911 | 85 | 1278 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 6.192 | 41 | 190350 | | | 0.49 | ppbv | 97 |
| 6.223 | 54 | 11187 | | | 0.03 | ppbv | # 1 |
| 6.332 | 43 | 159876 | | | 0.83 | ppbv | # 93 |
| 6.442 | 41 | 9857 | m | | 0.06 | ppbv | |
| 0 | | 0 | | N.D | | . | |
| 6.629 | 41 | 6791 | | | 0.04 | ppbv | # 30 |
| 6.769 | 64 | 567 | m | Below | | Cal | |
| 6.857 | 31 | 50136212 | m | Below | | Cal | |
| 7.124 | 106 | 657 | m | Below | | Cal | |
| 7.083 | 41 | 30567 | | | 0.29 | ppbv | # 24 |
| 7.196 | 56 | 18909 | | | 0.46 | ppbv | # 99 |
| 7.309 | 43 | 1648053 | | | 7.33 | ppbv | # 69 |
| 7.339 | 41 | 127178 | | | 1.12 | ppbv | 95 |
| 7.483 | 101 | 30089 | | | 0.06 | ppbv | # 92 |
| 7.514 | 45 | 879033 | m | Below | | Cal | |
| 7.545 | 42 | 16213 | m | | 0.11 | ppbv | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719011.D
Acq On : 18 Apr 2019 1:30 am
Operator :
Sample : Sample 15
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 16:02:31 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15] | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | | |
| 10.002 | 130 | 107545 | | 20 | ppbv | # | 0.02 |
| 12.092 | 114 | 445816 | | 20 | ppbv | | 0.02 |
| 18.396 | 82 | 244124 | | 20 | ppbv | # | 0.01 |
| | | | | | Qvalue | | |
| 5.194 | 41 | 555924 | | 3.69 | ppbv | # | 54 |
| 5.194 | 43 | 665016 | | 33.59 | ppbv | | 93 |
| 5.412 | 85 | 22828 | | 0.08 | ppbv | | 95 |
| 5.709 | 50 | 23118 | | 0.2 | ppbv | | 95 |
| 5.927 | 41 | 139837 | | 1.03 | ppbv | # | 1 |
| 5.896 | 85 | 1283 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 6.192 | 41 | 168669 | | 0.36 | ppbv | | 96 |
| 6.239 | 54 | 8113 | | 0.01 | ppbv | # | 1 |
| 6.317 | 43 | 64076 | | 0.32 | ppbv | | 94 |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 6.192 | 41 | 104714 | | 0.77 | ppbv | | 93 |
| 6.769 | 64 | 625 | m | Below | Cal | | |
| 6.877 | 31 | 24172998 | m | Below | Cal | | |
| 7.124 | 106 | 560 | m | Below | Cal | | |
| 7.093 | 41 | 17576 | m | 0.12 | ppbv | | |
| 7.196 | 56 | 12156 | | 0.27 | ppbv | # | 99 |
| 7.308 | 43 | 866436 | | 3.47 | ppbv | # | 68 |
| 7.339 | 41 | 55840 | | 0.48 | ppbv | | 93 |
| 7.473 | 101 | 28910 | | 0.05 | ppbv | # | 91 |
| 7.514 | 45 | 282596 | | 8.19 | ppbv | # | 1 |
| 7.504 | 42 | 27575 | | 0.2 | ppbv | # | 23 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719013.D
Acq On : 18 Apr 2019 3:31 am
Operator :
Sample : Sample 16
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 16:23:24 2019
Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS
QLast Update : Tue Apr 16 14:37:37 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Inte | | | | | | rnal Standards |
| 1) | | | | | | Bromochloromethane |
| 62) | | | | | | 1,4-Difluorobenzene |
| 89) | | | | | | Chlorobenzene-d5 |
| Targ | | | | | | et Compounds |
| 2] | | | | | | Propylene |
| 3] | | | | | | Propane |
| 4] | | | | | | Dichlorodifluoromethane |
| 5] | | | | | | Chloromethane |
| 6] | | | | | | Isobutane |
| 7] | | | | | | Dichlorotetrafluoroethane |
| 8) | | | | | | Vinyl Chloride |
| 9] | | | | | | 1-Butene |
| 10] | | | | | | 1,3-Butadiene |
| 11] | | | | | | Butane |
| 12) | | | | | | trans-2-butene |
| 13) | | | | | | Bromomethane |
| 14] | | | | | | cis-2-butene |
| 15) | | | | | | Chloroethane |
| 16] | | | | | | Ethanol |
| 17] | | | | | | Vinyl Bromide |
| 18] | | | | | | Acetonitrile |
| 19] | | | | | | Acrolein |
| 20] | | | | | | Acetone |
| 21] | | | | | | iso-Pentane |
| 22] | | | | | | Trichlorofluoromethane |
| 23] | | | | | | Isopropyl Alcohol |
| 24] | | | | | | 1-Pentene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| --- | --- | --- | - | --- | --- | --- | |
| 10.002 | 130 | 108462 | | | 20 | ppbv | # 0.02 |
| 12.08 | 114 | 453689 | | | 20 | ppbv | 0.00 |
| 18.39 | 82 | 267495 | | | 20 | ppbv | # 0.00 |
| | | | | | | Qvalue | |
| 5.21 | 41 | 819733 | | | 5.56 | ppbv | # 51 |
| 5.21 | 43 | 1026566 | | Below | | Cal | 90 |
| 5.412 | 85 | 22290 | | | 0.08 | ppbv | 100 |
| 5.724 | 50 | 20949 | | | 0.17 | ppbv | 92 |
| 5.927 | 41 | 153835 | | | 1.15 | ppbv | # 1 |
| 5.896 | 85 | 941 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 6.192 | 41 | 164856 | | | 0.32 | ppbv | 95 |
| 6.192 | 54 | 7336 | | | 0 | ppbv | # 1 |
| 6.317 | 43 | 55028 | | | 0.27 | ppbv | 96 |
| 6.441 | 41 | 5137 | m | | 0.02 | ppbv | |
| 0 | | 0 | | N.D | | . | |
| 6.629 | 41 | 4389 | m | | 0.02 | ppbv | |
| 0 | | 0 | | N.D | | . | |
| 6.867 | 31 | 26349209 | m | Below | | Cal | |
| 7.124 | 106 | 693 | m | Below | | Cal | |
| 7.083 | 41 | 10545 | m | | 0.03 | ppbv | |
| 7.196 | 56 | 11654 | | | 0.25 | ppbv | # 96 |
| 7.308 | 43 | 990035 | | | 4.02 | ppbv | # 69 |
| 7.329 | 41 | 68047 | | | 0.59 | ppbv | 97 |
| 7.473 | 101 | 26147 | | | 0.04 | ppbv | # 93 |
| 7.504 | 45 | 780363 | | Below | | Cal | # 1 |
| 7.545 | 42 | 8648 | m | | 0.06 | ppbv | |

| | |
|---|---|
| 041219003.D | 1 ppb |
| 041219004.D | Ambient |
| 041219006.D | Ambient dup |
| 041219007.D | System blank |
| 041219009.D | Batch Blank 2 |
| 041219011.D | Trip Blank |
| 041219013.D | Field Blank |
| 041519002.D | Inst blank |
| 041519003.D | 1 ppb |
| 041519005.D | batch blank 1 |
| 041519006.D | Sample 1 |
| 041519007.D | Sample 1dup |
| 041519009.D | Sample 2 |
| 041519011.D | Sample 3 |
| 041519013.D | Sample 4 |
| 041519015.D | Sample 5 |
| 041519017.D | Sample 6 |
| 041619002.D | Inst blank |
| 041619003.D | 1 ppb |
| 041619005.D | batch blank 1 |
| 041619006.D | Sample 7 |
| 041619007.D | Sample 7dup |
| 041619009.D | Sample 8 |
| 041619011.D | Sample 9 |
| 041619013.D | Sample 10 |
| 041619015.D | Sample 11 |
| 041619017.D | Sample 12 |
| 041719002.D | Inst blank |
| 041719003.D | 1 ppb |
| 041719005.D | batch blank 1 |
| 041719006.D | Sample 13 |
| 041719007.D | Sample 13dup |
| 041719009.D | Sample 14 |
| 041719011.D | Sample 15 |
| 041719013.D | Sample 16 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68] | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7.7 | 53 | 45383 | | 1.03 | ppbv | 89 |
| 7.741 | 43 | 170730 | m | 1.18 | ppbv | |
| 7.837 | 67 | 90991 | | 1.07 | ppbv | 97 |
| 7.869 | 55 | 162466 | | 1.09 | ppbv | 99 |
| 8.009 | 55 | 158564 | | 1.08 | ppbv | 100 |
| 7.998 | 59 | 155898 | | 1.07 | ppbv | 99 |
| 7.988 | 61 | 133827 | | 1.13 | ppbv | 100 |
| 8.084 | 84 | 62205 | | 0.97 | ppbv | 98 |
| 8.17 | 41 | 92944 | | 1 | ppbv | 99 |
| 8.289 | 101 | 156832 | | 1.18 | ppbv | 99 |
| 8.385 | 76 | 314893 | | 2.13 | ppbv # | 1 |
| 8.439 | 71 | 111310 | | 1.5 | ppbv | 96 |
| 8.868 | 61 | 110366 | | 1.14 | ppbv | 99 |
| 9.112 | 70 | 21640 | | 0.52 | ppbv | 100 |
| 9.1 | 71 | 20030 | m | 0.54 | ppbv | |
| 9.051 | 63 | 148842 | | 1.14 | ppbv | 98 |
| 9.088 | 73 | 129562 | | 0.88 | ppbv # | 72 |
| 9.1 | 43 | 236270 | | 1.01 | ppbv | 99 |
| 9.186 | 71 | 17101 | | 0.32 | ppbv # | 1 |
| 9.405 | 43 | 103516 | | 1.04 | ppbv # | 80 |
| 9.564 | 57 | 68075 | | 0.85 | ppbv # | 78 |
| 9.576 | 53 | 99400 | | 0.85 | ppbv # | 48 |
| 9.698 | 56 | 30738 | | 0.79 | ppbv # | 72 |
| 9.82 | 61 | 50808 | | 0.83 | ppbv | 98 |
| 9.991 | 45 | 165329 | | 0.84 | ppbv | 97 |
| 10.016 | 88 | 3431 | m | 1 | ppbv | |
| 10.003 | 57 | 107797 | | 0.86 | ppbv | 79 |
| 10.113 | 83 | 93887 | | 0.79 | ppbv | 100 |
| 10.534 | 42 | 52399 | | 0.88 | ppbv | 91 |
| 10.542 | 59 | 113789 | | 0.79 | ppbv | 98 |
| 10.893 | 69 | 21925 | | 0.83 | ppbv # | 53 |
| 10.885 | 62 | 111301 | | 0.9 | ppbv | 99 |
| 10.919 | 43 | 117206 | | 0.94 | ppbv # | 61 |
| 11.167 | 97 | 126271 | | 0.88 | ppbv | 100 |
| 11.682 | 78 | 137938 | | 0.83 | ppbv | 96 |
| 11.865 | 117 | 136043 | | 0.77 | ppbv | 99 |
| 12.024 | 41 | 107034 | | 0.89 | ppbv # | 97 |
| 12.17 | 43 | 105755 | | 1 | ppbv | 94 |
| 12.28 | 56 | 62443 | | 0.9 | ppbv # | 71 |
| 12.378 | 73 | 70203 | | 0.85 | ppbv # | 79 |
| 12.488 | 43 | 89697 | | 1.02 | ppbv | 95 |
| 12.683 | 63 | 33001 | | 0.92 | ppbv | 99 |
| 12.671 | 55 | 42678 | | 0.76 | ppbv # | 73 |
| 12.939 | 83 | 102376 | | 0.91 | ppbv | 98 |
| 13.037 | 88 | 8947 | | 0.72 | ppbv # | 6 |
| 13 | 130 | 29197 | | 0.89 | ppbv | 96 |
| 13.025 | 57 | 353555 | | 0.89 | ppbv | 93 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.76 | 53 | 1151 | m | Below | Cal | | |
| 7.75 | 43 | 53621 | | 0.25 | ppbv | # | 96 |
| 7.846 | 67 | 5735 | | 0.04 | ppbv | # | 1 |
| 7.868 | 55 | 844 | m | 0 | ppbv | | |
| 8.018 | 55 | 1444 | m | 0.01 | ppbv | | |
| 8.008 | 59 | 15224 | | 0.02 | ppbv | # | 78 |
| 0 | | 0 | | N.D | . | | |
| 8.083 | 84 | 4491 | m | Below | Cal | | |
| 8.18 | 41 | 1121 | m | Below | Cal | | |
| 8.287 | 101 | 4635 | m | Below | Cal | | |
| 8.395 | 76 | 7280 | | Below | Cal | # | 43 |
| 8.438 | 71 | 839 | m | Below | Cal | | |
| 8.867 | 61 | 1398 | m | Below | Cal | | |
| 9.147 | 70 | 3323 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 4246 | m | Below | Cal | | |
| 9.147 | 43 | 66291 | | 0.12 | ppbv | # | 75 |
| 0 | | 0 | | N.D | . | | |
| 9.404 | 43 | 302067 | | 2.13 | ppbv | # | 80 |
| 9.55 | 57 | 1481 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 9.697 | 56 | 510 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.002 | 45 | 13485 | | 0.06 | ppbv | # | 71 |
| 10.014 | 88 | 1676 | m | 0.37 | ppbv | | |
| 10.002 | 57 | 1509 | m | Below | Cal | | |
| 10.112 | 83 | 589 | m | Below | Cal | | |
| 10.541 | 42 | 2676 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.909 | 69 | 329 | m | 0.02 | ppbv | | |
| 10.874 | 62 | 860 | m | Below | Cal | | |
| 10.926 | 43 | 1195 | m | 0.02 | ppbv | | |
| 11.174 | 97 | 281 | m | Below | Cal | | |
| 11.689 | 78 | 5479 | m | Below | Cal | | |
| 11.872 | 117 | 3733 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.165 | 43 | 4324 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 3017 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 12.946 | 83 | 1780 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 1479 | m | 0.04 | ppbv | | |
| 13.032 | 57 | 1999 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45) | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 1063 | m | Below | Cal | | |
| 7.75 | 43 | 45889 | | 0.22 | ppbv | # | 96 |
| 7.846 | 67 | 5372 | | 0.04 | ppbv | # | 1 |
| 7.868 | 55 | 1079 | m | 0 | ppbv | | |
| 8.018 | 55 | 1579 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 13199 | | 0.01 | ppbv | # | 78 |
| 0 | | 0 | | N.D | . | | |
| 8.094 | 84 | 4007 | m | Below | Cal | | |
| 8.201 | 41 | 881 | m | Below | Cal | | |
| 8.298 | 101 | 5416 | | Below | Cal | # | 17 |
| 8.384 | 76 | 6023 | m | Below | Cal | | |
| 8.459 | 71 | 883 | m | Below | Cal | | |
| 8.879 | 61 | 1211 | m | Below | Cal | | |
| 9.16 | 70 | 3504 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.111 | 73 | 3777 | m | Below | Cal | | |
| 9.148 | 43 | 61893 | | 0.11 | ppbv | # | 80 |
| 0 | | 0 | | N.D | . | | |
| 9.404 | 43 | 438611 | | 3.2 | ppbv | | 95 |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 9.709 | 56 | 444 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 10.014 | 45 | 12157 | | 0.05 | ppbv | # | 71 |
| 10.014 | 88 | 1785 | m | 0.4 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.124 | 83 | 570 | m | Below | Cal | | |
| 10.541 | 42 | 1997 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.917 | 69 | 290 | m | 0.02 | ppbv | | |
| 10.883 | 62 | 792 | m | Below | Cal | | |
| 10.917 | 43 | 971 | m | 0.02 | ppbv | | |
| 11.174 | 97 | 248 | m | Below | Cal | | |
| 11.677 | 78 | 5003 | m | Below | Cal | | |
| 11.872 | 117 | 3724 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.165 | 43 | 3503 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 12.483 | 43 | 2666 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 12.946 | 83 | 1616 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 1423 | m | 0.04 | ppbv | | |
| 13.02 | 57 | 1769 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | |
| 7.75 | 43 | 10531 | | 0.05 | ppbv # | 66 |
| 7.846 | 67 | 941 | m | 0 | ppbv | |
| 7.868 | 55 | 985 | m | 0 | ppbv | |
| 8.018 | 55 | 1263 | m | 0.01 | ppbv | |
| 8.008 | 59 | 11637 | | 0.01 | ppbv # | 32 |
| 8.363 | 61 | 39204 | | 0.2 | ppbv # | 32 |
| 8.094 | 84 | 1105 | m | Below | Cal | |
| 8.19 | 41 | 942 | m | Below | Cal | |
| 8.287 | 101 | 742 | m | Below | Cal | |
| 8.384 | 76 | 7369 | m | Below | Cal | |
| 8.449 | 71 | 597 | m | Below | Cal | |
| 8.879 | 61 | 1154 | m | Below | Cal | |
| 9.16 | 70 | 1857 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 9.099 | 73 | 3933 | m | Below | Cal | |
| 9.148 | 43 | 52554 | | 0.1 | ppbv # | 76 |
| 0 | | 0 | | N.D | . | |
| 9.392 | 43 | 33040 | | 0.29 | ppbv # | 59 |
| 9.563 | 57 | 1205 | m | 0.01 | ppbv | |
| 9.55 | 53 | 291 | m | 0 | ppbv | |
| 9.709 | 56 | 361 | m | 0.01 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 10.014 | 45 | 2979 | m | 0.02 | ppbv | |
| 10.014 | 88 | 328 | m | 0.11 | ppbv | |
| 10.014 | 57 | 1514 | m | Below | Cal | |
| 10.124 | 83 | 264 | m | Below | Cal | |
| 10.541 | 42 | 1797 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 10.9 | 69 | 237 | m | 0.02 | ppbv | |
| 10.892 | 62 | 244 | m | Below | Cal | |
| 10.917 | 43 | 1130 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 11.689 | 78 | 1500 | m | Below | Cal | |
| 11.86 | 117 | 538 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 12.153 | 43 | 3294 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 12.483 | 43 | 3459 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 12.946 | 83 | 1610 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 12.995 | 130 | 378 | m | 0.02 | ppbv | |
| 13.02 | 57 | 1397 | m | 0.07 | ppbv | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57) | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.719 | 53 | 440 | m | Below | Cal | | |
| 7.74 | 43 | 6682 | | 0.03 | ppbv | # | 66 |
| 7.835 | 67 | 940 | m | 0 | ppbv | | |
| 7.857 | 55 | 833 | m | 0 | ppbv | | |
| 8.007 | 55 | 915 | m | 0 | ppbv | | |
| 8.007 | 59 | 4175 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 8.083 | 84 | 2296 | m | Below | Cal | | |
| 8.18 | 41 | 1160 | m | Below | Cal | | |
| 8.287 | 101 | 1332 | m | Below | Cal | | |
| 8.384 | 76 | 4014 | m | Below | Cal | | |
| 8.438 | 71 | 428 | m | Below | Cal | | |
| 8.867 | 61 | 1242 | m | Below | Cal | | |
| 9.147 | 70 | 1579 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.086 | 73 | 3620 | m | Below | Cal | | |
| 9.135 | 43 | 98320 | | 0.25 | ppbv | # | 73 |
| 0 | | 0 | | N.D | . | | |
| 9.404 | 43 | 18656 | | 0.18 | ppbv | # | 59 |
| 9.55 | 57 | 623 | m | 0.01 | ppbv | | |
| 9.562 | 53 | 191 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.002 | 57 | 905 | m | Below | Cal | | |
| 10.099 | 83 | 266 | m | Below | Cal | | |
| 10.532 | 42 | 1478 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.883 | 62 | 443 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 11.689 | 78 | 1645 | m | Below | Cal | | |
| 11.872 | 117 | 1028 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 12.458 | 43 | 313 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 12.934 | 83 | 1518 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 370 | m | 0.01 | ppbv | | |
| 13.019 | 57 | 1212 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66) | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 7.75 | 43 | 3417 | m | 0.01 | ppbv | | |
| 7.868 | 67 | 890 | m | 0 | ppbv | | |
| 7.889 | 55 | 817 | m | 0 | ppbv | | |
| 8.018 | 55 | 928 | m | 0 | ppbv | | |
| 8.018 | 59 | 9532 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 8.104 | 84 | 770 | m | Below | Cal | | |
| 8.19 | 41 | 1081 | m | Below | Cal | | |
| 8.309 | 101 | 1063 | m | Below | Cal | | |
| 8.395 | 76 | 3402 | m | Below | Cal | | |
| 8.459 | 71 | 506 | m | Below | Cal | | |
| 8.879 | 61 | 1180 | m | Below | Cal | | |
| 9.16 | 70 | 2059 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.111 | 73 | 3855 | m | Below | Cal | | |
| 9.148 | 43 | 47786 | | 0.07 | ppbv | # | 76 |
| 0 | | 0 | | N.D | . | | |
| 9.416 | 43 | 25131 | | 0.22 | ppbv | # | 59 |
| 9.575 | 57 | 756 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.014 | 57 | 1059 | m | Below | Cal | | |
| 10.124 | 83 | 452 | m | Below | Cal | | |
| 10.549 | 42 | 1559 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.883 | 62 | 220 | m | Below | Cal | | |
| 10.917 | 43 | 537 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 11.677 | 78 | 1042 | m | Below | Cal | | |
| 11.885 | 117 | 770 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 12.946 | 83 | 1659 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 363 | m | 0.01 | ppbv | | |
| 13.02 | 57 | 1773 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | |
| 7.75 | 43 | 16749 | | 0.08 | ppbv # | 66 |
| 7.857 | 67 | 2158 | m | 0.02 | ppbv | |
| 7.868 | 55 | 871 | m | 0 | ppbv | |
| 8.018 | 55 | 1306 | m | 0.01 | ppbv | |
| 8.018 | 59 | 16233 | | 0.03 | ppbv # | 68 |
| 0 | | 0 | | N.D | . | |
| 8.094 | 84 | 1537 | m | Below | Cal | |
| 8.19 | 41 | 1177 | m | Below | Cal | |
| 8.309 | 101 | 1295 | m | Below | Cal | |
| 8.384 | 76 | 3265 | m | Below | Cal | |
| 8.448 | 71 | 655 | m | Below | Cal | |
| 8.879 | 61 | 1431 | m | Below | Cal | |
| 9.148 | 70 | 2520 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 9.099 | 73 | 4341 | m | Below | Cal | |
| 9.148 | 43 | 50413 | | 0.08 | ppbv # | 79 |
| 9.184 | 71 | 713 | m | 0.01 | ppbv | |
| 9.416 | 43 | 30861 | | 0.27 | ppbv # | 59 |
| 9.55 | 57 | 890 | m | 0.01 | ppbv | |
| 9.575 | 53 | 172 | m | 0 | ppbv | |
| 9.697 | 56 | 146 | m | 0.01 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 10.014 | 45 | 7439 | | 0.04 | ppbv # | 71 |
| 10.014 | 88 | 676 | m | 0.18 | ppbv | |
| 10.002 | 57 | 1097 | m | Below | Cal | |
| 10.124 | 83 | 465 | m | Below | Cal | |
| 10.541 | 42 | 1448 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 10.874 | 69 | 230 | m | 0.02 | ppbv | |
| 10.874 | 62 | 341 | m | Below | Cal | |
| 10.917 | 43 | 1561 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 11.689 | 78 | 2820 | m | Below | Cal | |
| 11.86 | 117 | 821 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 12.165 | 43 | 13706 | | 0.11 | ppbv # | 1 |
| 12.275 | 56 | 2316 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 12.483 | 43 | 10243 | | 0.1 | ppbv # | 39 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 12.946 | 83 | 1550 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 13.007 | 130 | 438 | m | 0.02 | ppbv | |
| 13.007 | 57 | 1532 | m | 0.07 | ppbv | |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26) | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52) | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57) | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66) | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 7.857 | 67 | 689 | m | | 0 | ppbv | |
| 7.878 | 55 | 819 | m | | 0 | ppbv | |
| 8.029 | 55 | 890 | m | | 0 | ppbv | |
| 8.018 | 59 | 2063 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 8.104 | 84 | 696 | m | Below | | Cal | |
| 8.201 | 41 | 1226 | m | Below | | Cal | |
| 8.298 | 101 | 607 | m | Below | | Cal | |
| 8.395 | 76 | 5165 | | Below | | Cal | # 43 |
| 8.448 | 71 | 423 | m | Below | | Cal | |
| 8.879 | 61 | 1395 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 9.099 | 73 | 4384 | m | Below | | Cal | |
| 9.147 | 43 | 8063 | | Below | | Cal | # 91 |
| 0 | | 0 | | N.D | | . | |
| 9.416 | 43 | 5238 | | | 0.09 | ppbv | # 59 |
| 9.575 | 57 | 346 | m | | 0.01 | ppbv | |
| 9.575 | 53 | 142 | m | | 0 | ppbv | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 10.002 | 57 | 589 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 10.549 | 42 | 1327 | m | | 0.04 | ppbv | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 10.892 | 62 | 106 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 11.689 | 78 | 806 | m | Below | | Cal | |
| 11.872 | 117 | 356 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 12.946 | 83 | 1520 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . | |
| 13.019 | 130 | 389 | m | | 0.02 | ppbv | |
| 13.032 | 57 | 1245 | m | | 0.07 | ppbv | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68] | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7.71 | 53 | 46126 | | 1.07 | ppbv | 98 |
| 7.751 | 43 | 159588 | | 1.12 | ppbv # | 99 |
| 7.848 | 67 | 90952 | | 1.1 | ppbv | 96 |
| 7.869 | 55 | 160059 | | 1.1 | ppbv | 98 |
| 8.02 | 55 | 155783 | | 1.09 | ppbv | 99 |
| 8.009 | 59 | 137857 | | 0.96 | ppbv | 94 |
| 7.998 | 61 | 130375 | | 1.12 | ppbv | 98 |
| 8.084 | 84 | 62900 | | 1.01 | ppbv | 95 |
| 8.181 | 41 | 91529 | | 1.01 | ppbv | 99 |
| 8.289 | 101 | 163594 | | 1.27 | ppbv | 97 |
| 8.385 | 76 | 216646 | | 1.31 | ppbv # | 45 |
| 8.45 | 71 | 113343 | | 1.57 | ppbv | 96 |
| 8.87 | 61 | 110413 | | 1.16 | ppbv | 98 |
| 9.114 | 70 | 48140 | | 1.21 | ppbv | 100 |
| 9.114 | 71 | 43091 | | 1.21 | ppbv | 95 |
| 9.053 | 63 | 158003 | | 1.25 | ppbv | 99 |
| 9.089 | 73 | 156299 | | 1.1 | ppbv # | 81 |
| 9.114 | 43 | 266664 | | 1.18 | ppbv | 99 |
| 9.187 | 71 | 61629 | | 1.23 | ppbv | 96 |
| 9.407 | 43 | 84772 | | 0.88 | ppbv # | 80 |
| 9.565 | 57 | 70326 | | 0.89 | ppbv # | 78 |
| 9.578 | 53 | 101735 | | 0.89 | ppbv # | 49 |
| 9.7 | 56 | 29601 | | 0.78 | ppbv # | 72 |
| 9.822 | 61 | 47518 | | 0.79 | ppbv | 100 |
| 9.992 | 45 | 162359 | | 0.85 | ppbv | 97 |
| 10.005 | 88 | 3510 | m | 1.04 | ppbv | |
| 10.005 | 57 | 104452 | | 0.85 | ppbv | 78 |
| 10.114 | 83 | 94541 | | 0.82 | ppbv | 100 |
| 10.535 | 42 | 51992 | | 0.9 | ppbv # | 91 |
| 10.535 | 59 | 110919 | | 0.79 | ppbv | 98 |
| 10.894 | 69 | 21851 | | 0.85 | ppbv # | 53 |
| 10.877 | 62 | 112465 | | 0.93 | ppbv | 100 |
| 10.912 | 43 | 118695 | | 0.97 | ppbv # | 62 |
| 11.16 | 97 | 128137 | | 0.92 | ppbv | 100 |
| 11.684 | 78 | 136361 | | 0.84 | ppbv | 97 |
| 11.867 | 117 | 140603 | | 0.84 | ppbv | 99 |
| 12.013 | 41 | 107490 | | 0.91 | ppbv # | 97 |
| 12.16 | 43 | 106508 | | 1.03 | ppbv | 92 |
| 12.282 | 56 | 63063 | | 0.92 | ppbv # | 77 |
| 12.379 | 73 | 68896 | | 0.85 | ppbv # | 83 |
| 12.489 | 43 | 86870 | | 1 | ppbv | 96 |
| 12.684 | 63 | 33346 | | 0.95 | ppbv | 96 |
| 12.66 | 55 | 38973 | | 0.72 | ppbv # | 73 |
| 12.941 | 83 | 105894 | | 0.96 | ppbv | 98 |
| 13.038 | 88 | 8819 | | 0.72 | ppbv # | 1 |
| 12.989 | 130 | 29550 | | 0.92 | ppbv | 96 |
| 13.014 | 57 | 354484 | | 0.91 | ppbv | 91 |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66) | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69) | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | |
| 7.75 | 43 | 3478 | m | 0.01 | ppbv | |
| 7.846 | 67 | 861 | m | 0 | ppbv | |
| 7.868 | 55 | 765 | m | 0 | ppbv | |
| 8.019 | 55 | 1136 | m | 0 | ppbv | |
| 8.008 | 59 | 5788 | | Below | Cal # | 32 |
| 0 | | 0 | | N.D | . | |
| 8.083 | 84 | 1661 | m | Below | Cal | |
| 8.18 | 41 | 907 | m | Below | Cal | |
| 8.287 | 101 | 985 | m | Below | Cal | |
| 8.384 | 76 | 3347 | m | Below | Cal | |
| 8.438 | 71 | 473 | m | Below | Cal | |
| 8.879 | 61 | 1417 | m | Below | Cal | |
| 9.148 | 70 | 2136 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 9.099 | 73 | 3879 | m | Below | Cal | |
| 9.136 | 43 | 32814 | | 0.02 | ppbv # | 91 |
| 0 | | 0 | | N.D | . | |
| 9.404 | 43 | 10671 | m | 0.12 | ppbv | |
| 9.55 | 57 | 702 | m | 0.01 | ppbv | |
| 9.575 | 53 | 142 | m | 0 | ppbv | |
| 9.709 | 56 | 224 | m | 0.01 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 10.014 | 57 | 680 | m | Below | Cal | |
| 10.112 | 83 | 323 | m | Below | Cal | |
| 10.532 | 42 | 1529 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 10.883 | 62 | 322 | m | Below | Cal | |
| 10.917 | 43 | 428 | m | 0.01 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 11.677 | 78 | 1193 | m | Below | Cal | |
| 11.873 | 117 | 677 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 12.983 | 130 | 339 | m | 0.01 | ppbv | |
| 13.032 | 57 | 1434 | m | 0.07 | ppbv | |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53) | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 7.76 | 43 | 77381 | | 0.35 | ppbv | # | 95 |
| 7.857 | 67 | 3490 | m | 0.02 | ppbv | | |
| 7.879 | 55 | 1122 | m | 0 | ppbv | | |
| 8.029 | 55 | 1619 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 18440 | | 0.03 | ppbv | # | 81 |
| 0 | | 0 | | N.D | . | | |
| 8.094 | 84 | 4812 | m | Below | Cal | | |
| 8.18 | 41 | 1266 | m | Below | Cal | | |
| 8.298 | 101 | 7088 | m | Below | Cal | | |
| 8.395 | 76 | 4623 | m | Below | Cal | | |
| 8.459 | 71 | 2172 | m | Below | Cal | | |
| 8.879 | 61 | 1389 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.148 | 43 | 106565 | | 0.24 | ppbv | # | 84 |
| 9.196 | 71 | 9566 | | 0.12 | ppbv | # | 1 |
| 9.416 | 43 | 36739 | | 0.29 | ppbv | # | 59 |
| 9.575 | 57 | 2670 | m | 0.02 | ppbv | | |
| 9.575 | 53 | 403 | m | 0 | ppbv | | |
| 9.709 | 56 | 381 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.002 | 45 | 171531 | | 0.6 | ppbv | # | 71 |
| 10.014 | 88 | 20262 | | 3.92 | ppbv | # | 73 |
| 0 | | 0 | | N.D | . | | |
| 10.112 | 83 | 1017 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.926 | 69 | 690 | m | 0.03 | ppbv | | |
| 10.892 | 62 | 1188 | m | Below | Cal | | |
| 10.926 | 43 | 9052 | | 0.06 | ppbv | # | 61 |
| 11.165 | 97 | 252 | m | Below | Cal | | |
| 11.689 | 78 | 5411 | m | Below | Cal | | |
| 11.872 | 117 | 5500 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.177 | 43 | 116112 | | 0.81 | ppbv | | 92 |
| 12.287 | 56 | 23780 | | 0.25 | ppbv | # | 56 |
| 0 | | 0 | | N.D | . | d | |
| 12.495 | 43 | 92468 | | 0.77 | ppbv | | 96 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.946 | 83 | 1620 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 1348 | m | 0.04 | ppbv | | |
| 13.02 | 57 | 1805 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53) | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.76 | 53 | 2117 | m | Below | Cal | | |
| 7.76 | 43 | 76441 | | 0.35 | ppbv | # | 95 |
| 7.857 | 67 | 3317 | m | 0.02 | ppbv | | |
| 7.879 | 55 | 1302 | m | 0 | ppbv | | |
| 8.018 | 55 | 1580 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 18273 | | 0.03 | ppbv | # | 74 |
| 0 | | 0 | | N.D | . | | |
| 8.094 | 84 | 4845 | m | Below | Cal | | |
| 8.19 | 41 | 1078 | m | Below | Cal | | |
| 8.298 | 101 | 6935 | m | Below | Cal | | |
| 8.395 | 76 | 5781 | m | Below | Cal | | |
| 8.449 | 71 | 2070 | m | Below | Cal | | |
| 8.879 | 61 | 1337 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 9.196 | 71 | 9505 | | 0.17 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 4577 | m | Below | Cal | | |
| 9.148 | 43 | 106743 | | 0.25 | ppbv | # | 85 |
| 9.196 | 71 | 9505 | | 0.12 | ppbv | # | 1 |
| 9.404 | 43 | 35061 | | 0.28 | ppbv | # | 59 |
| 9.563 | 57 | 2445 | m | 0.02 | ppbv | | |
| 9.55 | 53 | 447 | m | 0 | ppbv | | |
| 9.709 | 56 | 516 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 10.002 | 45 | 172152 | | 0.61 | ppbv | # | 71 |
| 10.014 | 88 | 20198 | | 3.95 | ppbv | # | 72 |
| 0 | | 0 | | N.D | . | | |
| 10.112 | 83 | 1040 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.926 | 69 | 666 | m | 0.03 | ppbv | | |
| 10.883 | 62 | 1285 | m | Below | Cal | | |
| 10.926 | 43 | 9581 | | 0.06 | ppbv | # | 68 |
| 11.166 | 97 | 226 | m | Below | Cal | | |
| 11.689 | 78 | 5341 | m | Below | Cal | | |
| 11.872 | 117 | 5620 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 12.165 | 43 | 114577 | | 0.81 | ppbv | # | 91 |
| 12.275 | 56 | 24673 | | 0.27 | ppbv | # | 60 |
| 0 | | 0 | | N.D | . d | | |
| 12.495 | 43 | 91842 | | 0.78 | ppbv | | 97 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 12.934 | 83 | 1895 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 1398 | m | 0.04 | ppbv | | |
| 13.02 | 57 | 2721 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.74 | 53 | 1486 | m | Below | Cal | | |
| 7.75 | 43 | 47965 | | 0.21 | ppbv | # | 92 |
| 7.836 | 67 | 4068 | m | 0.03 | ppbv | | |
| 7.857 | 55 | 1582 | m | 0.01 | ppbv | | |
| 8.018 | 55 | 1353 | m | 0 | ppbv | | |
| 8.008 | 59 | 15563 | | 0.01 | ppbv | # | 70 |
| 8.362 | 61 | 10824 | | Below | Cal | # | 32 |
| 8.083 | 84 | 8731 | m | Below | Cal | | |
| 8.18 | 41 | 1085 | m | Below | Cal | | |
| 8.287 | 101 | 8288 | m | Below | Cal | | |
| 8.384 | 76 | 6499 | m | Below | Cal | | |
| 8.448 | 71 | 1379 | m | Below | Cal | | |
| 8.867 | 61 | 1256 | m | Below | Cal | | |
| 9.184 | 70 | 11591 | | 0.17 | ppbv | | 100 |
| 9.184 | 71 | 28473 | | 0.5 | ppbv | | 80 |
| 0 | | 0 | | N.D | . | | |
| 9.087 | 73 | 4754 | m | Below | Cal | | |
| 9.184 | 43 | 162403 | | 0.4 | ppbv | # | 90 |
| 9.184 | 71 | 28473 | | 0.36 | ppbv | # | 6 |
| 9.404 | 43 | 39642 | | 0.3 | ppbv | # | 59 |
| 9.55 | 57 | 1682 | m | 0.02 | ppbv | | |
| 9.562 | 53 | 313 | m | 0 | ppbv | | |
| 9.697 | 56 | 854 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 9.99 | 45 | 289544 | | 0.98 | ppbv | # | 71 |
| 10.002 | 88 | 36525 | | 6.82 | ppbv | # | 96 |
| 10.002 | 57 | 10632 | | 0.02 | ppbv | # | 1 |
| 10.112 | 83 | 1430 | m | Below | Cal | | |
| 10.541 | 42 | 1500 | m | 0.04 | ppbv | | |
| 10.558 | 59 | 235 | m | 0.04 | ppbv | | |
| 10.917 | 69 | 1012 | m | 0.03 | ppbv | | |
| 10.883 | 62 | 1321 | m | Below | Cal | | |
| 10.917 | 43 | 15392 | | 0.09 | ppbv | # | 63 |
| 11.14 | 97 | 269 | m | Below | Cal | | |
| 11.677 | 78 | 7211 | | 0 | ppbv | # | 46 |
| 11.86 | 117 | 5669 | | Below | Cal | | 97 |
| 0 | | 0 | | N.D | . d | | |
| 12.165 | 43 | 222821 | | 1.55 | ppbv | | 94 |
| 12.275 | 56 | 45565 | | 0.48 | ppbv | # | 66 |
| 0 | | 0 | | N.D | . d | | |
| 12.483 | 43 | 189687 | | 1.57 | ppbv | | 95 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 12.934 | 83 | 1951 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.983 | 130 | 1242 | m | 0.03 | ppbv | | |
| 13.007 | 57 | 2720 | m | 0.07 | ppbv | | |

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|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33) | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42) | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 7.771 | 43 | 90706 | | 0.42 | ppbv | # | 94 |
| 7.868 | 67 | 7120 | | 0.05 | ppbv | | 89 |
| 7.889 | 55 | 1453 | m | 0 | ppbv | | |
| 8.051 | 55 | 1540 | m | 0.01 | ppbv | | |
| 8.029 | 59 | 15913 | | 0.02 | ppbv | # | 68 |
| 0 | | 0 | | N.D | . | | |
| 8.104 | 84 | 7770 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 8.319 | 101 | 7164 | | Below | Cal | # | 74 |
| 8.405 | 76 | 6735 | m | Below | Cal | | |
| 8.459 | 71 | 1198 | m | Below | Cal | | |
| 8.891 | 61 | 1237 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 9.111 | 73 | 3749 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 9.209 | 71 | 43718 | | 0.58 | ppbv | # | 51 |
| 9.428 | 43 | 44278 | | 0.34 | ppbv | # | 59 |
| 9.575 | 57 | 2634 | m | 0.02 | ppbv | | |
| 9.587 | 53 | 580 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 10.014 | 45 | 162242 | | 0.58 | ppbv | # | 71 |
| 10.026 | 88 | 19188 | | 3.77 | ppbv | # | 72 |
| 10.026 | 57 | 14807 | | 0.05 | ppbv | # | 1 |
| 10.124 | 83 | 1664 | m | Below | Cal | | |
| 10.549 | 42 | 1979 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.934 | 69 | 656 | m | 0.03 | ppbv | | |
| 10.892 | 62 | 1438 | m | Below | Cal | | |
| 10.934 | 43 | 8764 | | 0.06 | ppbv | # | 40 |
| 11.183 | 97 | 321 | m | Below | Cal | | |
| 11.689 | 78 | 5542 | | Below | Cal | # | 46 |
| 11.885 | 117 | 6539 | | Below | Cal | | 99 |
| 0 | | 0 | | N.D | . | d | |
| 12.177 | 43 | 113938 | | 0.81 | ppbv | # | 89 |
| 12.287 | 56 | 23425 | | 0.25 | ppbv | # | 60 |
| 0 | | 0 | | N.D | . | d | |
| 12.495 | 43 | 94445 | | 0.8 | ppbv | | 95 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.946 | 83 | 2124 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 2012 | m | 0.05 | ppbv | | |
| 13.032 | 57 | 1946 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56) | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 2881 | m | Below | | Cal | |
| 7.75 | 43 | 133624 | | 0.59 | ppbv | # | 94 |
| 7.846 | 67 | 8294 | | 0.06 | ppbv | | 84 |
| 7.879 | 55 | 2083 | m | 0.01 | ppbv | | |
| 8.029 | 55 | 2665 | m | 0.01 | ppbv | | |
| 8.008 | 59 | 26274 | | 0.06 | ppbv | # | 70 |
| 0 | | 0 | | N.D | | . | |
| 8.094 | 84 | 10407 | m | Below | | Cal | |
| 8.191 | 41 | 1042 | m | Below | | Cal | |
| 8.298 | 101 | 7008 | m | Below | | Cal | |
| 8.384 | 76 | 6707 | m | Below | | Cal | |
| 8.449 | 71 | 1761 | m | Below | | Cal | |
| 8.879 | 61 | 1250 | m | Below | | Cal | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 9.099 | 73 | 2988 | m | Below | | Cal | |
| 9.184 | 43 | 369621 | | 1.03 | ppbv | # | 91 |
| 9.197 | 71 | 71541 | | 0.91 | ppbv | # | 26 |
| 9.404 | 43 | 89636 | | 0.61 | ppbv | # | 81 |
| 9.55 | 57 | 7802 | | 0.06 | ppbv | # | 20 |
| 9.184 | 53 | 10005 | | 0.05 | ppbv | # | 91 |
| 10.002 | 56 | 21162 | | 0.36 | ppbv | # | 1 |
| 10.002 | 61 | 233139 | | 2.52 | ppbv | # | 40 |
| 9.99 | 45 | 436551 | | 1.46 | ppbv | # | 71 |
| 10.002 | 88 | 53891 | | 9.96 | ppbv | # | 85 |
| 10.002 | 57 | 32585 | | 0.14 | ppbv | # | 1 |
| 10.112 | 83 | 2215 | m | Below | | Cal | |
| 10.185 | 42 | 15308 | | 0.19 | ppbv | # | 56 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 10.917 | 43 | 33854 | | 0.18 | ppbv | # | 63 |
| 11.166 | 97 | 469 | m | Below | | Cal | |
| 11.677 | 78 | 7278 | | 0 | ppbv | # | 46 |
| 11.86 | 117 | 7372 | | Below | | Cal | 100 |
| 0 | | 0 | | N.D | | . d | |
| 12.165 | 43 | 483550 | | 3.32 | ppbv | | 94 |
| 12.275 | 56 | 95769 | | 1 | ppbv | # | 65 |
| 12.08 | 73 | 15408 | | 0.17 | ppbv | # | 51 |
| 12.483 | 43 | 421106 | | 3.44 | ppbv | | 96 |
| 12.495 | 63 | 5953 | | 0.12 | ppbv | # | 1 |
| 0 | | 0 | | N.D | | . d | |
| 12.934 | 83 | 2386 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 12.995 | 130 | 2541 | m | 0.06 | ppbv | | |
| 13.02 | 57 | 4930 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33) | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37) | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42) | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 3213 | m | Below | Cal | | |
| 7.75 | 43 | 118279 | | 0.51 | ppbv | # | 94 |
| 7.846 | 67 | 7463 | | 0.05 | ppbv | | 89 |
| 7.879 | 55 | 2572 | m | 0.01 | ppbv | | |
| 8.018 | 55 | 2425 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 18584 | | 0.03 | ppbv | # | 67 |
| 0 | | 0 | | N.D | . | | |
| 8.094 | 84 | 12659 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 8.298 | 101 | 7239 | m | Below | Cal | | |
| 8.384 | 76 | 4380 | m | Below | Cal | | |
| 8.438 | 71 | 1469 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 8.977 | 63 | 4707 | m | Below | Cal | | |
| 9.087 | 73 | 5919 | | Below | Cal | # | 1 |
| 0 | | 0 | | N.D | . | d | |
| 9.196 | 71 | 94740 | | 1.19 | ppbv | # | 33 |
| 9.404 | 43 | 99688 | | 0.66 | ppbv | # | 80 |
| 9.55 | 57 | 5273 | | 0.04 | ppbv | # | 21 |
| 9.575 | 53 | 625 | m | 0 | ppbv | | |
| 9.697 | 56 | 4723 | m | 0.08 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 9.99 | 45 | 503718 | | 1.65 | ppbv | # | 71 |
| 10.002 | 88 | 62022 | | 11.29 | ppbv | # | 84 |
| 10.002 | 57 | 38010 | | 0.17 | ppbv | # | 1 |
| 10.112 | 83 | 2525 | m | Below | Cal | | |
| 10.541 | 42 | 2322 | m | 0.05 | ppbv | | |
| 10.566 | 59 | 893 | m | 0.05 | ppbv | | |
| 10.917 | 69 | 2672 | m | 0.07 | ppbv | | |
| 10.892 | 62 | 1682 | m | Below | Cal | | |
| 10.917 | 43 | 44019 | | 0.23 | ppbv | # | 61 |
| 11.166 | 97 | 382 | m | Below | Cal | | |
| 11.689 | 78 | 8119 | | 0.01 | ppbv | # | 46 |
| 11.872 | 117 | 7701 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.165 | 43 | 619369 | | 4.22 | ppbv | # | 95 |
| 12.275 | 56 | 122456 | | 1.26 | ppbv | # | 69 |
| 12.08 | 73 | 15171 | | 0.17 | ppbv | # | 50 |
| 12.483 | 43 | 529370 | | 4.29 | ppbv | | 96 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 12.922 | 83 | 2816 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 2936 | m | 0.07 | ppbv | | |
| 13.02 | 57 | 5929 | | 0.07 | ppbv | # | 1 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42) | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 4189 | m | 0.01 | ppbv | | |
| 7.75 | 43 | 149488 | | 0.72 | ppbv | # | 96 |
| 7.846 | 67 | 8116 | | 0.06 | ppbv | | 93 |
| 7.868 | 55 | 3283 | m | 0.01 | ppbv | | |
| 8.018 | 55 | 3081 | m | 0.01 | ppbv | | |
| 8.008 | 59 | 20747 | | 0.05 | ppbv | # | 70 |
| 0 | | 0 | | N.D | . | d | |
| 8.083 | 84 | 8623 | | Below | Cal | | 95 |
| 8.18 | 41 | 1132 | m | Below | Cal | | |
| 8.298 | 101 | 6945 | | Below | Cal | # | 75 |
| 8.384 | 76 | 5693 | | Below | Cal | # | 43 |
| 8.448 | 71 | 1703 | m | Below | Cal | | |
| 8.867 | 61 | 1214 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 9.184 | 71 | 79092 | | 1.08 | ppbv | # | 52 |
| 9.404 | 43 | 128788 | | 0.92 | ppbv | # | 81 |
| 9.55 | 57 | 5646 | | 0.05 | ppbv | # | 20 |
| 9.55 | 53 | 712 | m | 0 | ppbv | | |
| 9.697 | 56 | 1390 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.002 | 45 | 278353 | | 1 | ppbv | # | 71 |
| 10.002 | 88 | 32790 | | 6.53 | ppbv | # | 72 |
| 10.002 | 57 | 33550 | | 0.16 | ppbv | # | 1 |
| 10.112 | 83 | 2651 | m | Below | Cal | | |
| 10.541 | 42 | 1678 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.917 | 69 | 1884 | m | 0.06 | ppbv | | |
| 10.883 | 62 | 1617 | m | Below | Cal | | |
| 10.917 | 43 | 24492 | | 0.15 | ppbv | # | 62 |
| 11.157 | 97 | 447 | m | Below | Cal | | |
| 11.689 | 78 | 13753 | | 0.04 | ppbv | # | 46 |
| 11.872 | 117 | 8155 | | Below | Cal | | 99 |
| 0 | | 0 | | N.D | . | d | |
| 12.165 | 43 | 340759 | | 2.44 | ppbv | # | 95 |
| 12.275 | 56 | 67721 | | 0.74 | ppbv | # | 58 |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 286397 | | 2.44 | ppbv | | 93 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 2300 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 3775 | m | 0.09 | ppbv | | |
| 13.019 | 57 | 6707 | | 0.08 | ppbv | # | 1 |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32) | Methylene Chloride |
| 33) | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52) | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56) | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66) | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71) | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 7.76 | 43 | 1630 | m | 0 | ppbv | | |
| 7.857 | 67 | 566 | m | 0 | ppbv | | |
| 7.889 | 55 | 749 | m | 0 | ppbv | | |
| 8.029 | 55 | 696 | m | 0 | ppbv | | |
| 8.018 | 59 | 1614 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 8.298 | 101 | 424 | m | Below | Cal | | |
| 8.384 | 76 | 2332 | m | Below | Cal | | |
| 8.448 | 71 | 404 | m | Below | Cal | | |
| 8.879 | 61 | 1090 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 3612 | m | Below | Cal | | |
| 9.135 | 43 | 5913 | | Below | Cal | # | 91 |
| 0 | | 0 | | N.D | . | | |
| 9.416 | 43 | 4301 | m | 0.08 | ppbv | | |
| 9.562 | 57 | 332 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.002 | 57 | 401 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 10.549 | 42 | 1199 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.926 | 43 | 384 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 11.689 | 78 | 800 | m | Below | Cal | | |
| 11.86 | 117 | 290 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 12.946 | 83 | 1315 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 13.032 | 57 | 997 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68] | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|
| 7.71 | 53 | 39626 | 1.09 | ppbv | 99 |
| 7.751 | 43 | 141097 | 1.18 | ppbv # | 100 |
| 7.858 | 67 | 80950 | 1.16 | ppbv | 98 |
| 7.88 | 55 | 143624 | 1.17 | ppbv | 100 |
| 8.031 | 55 | 138614 | 1.15 | ppbv | 99 |
| 8.009 | 59 | 123687 | 1.03 | ppbv | 90 |
| 8.009 | 61 | 115708 | 1.19 | ppbv | 99 |
| 8.095 | 84 | 57388 | 1.11 | ppbv | 93 |
| 8.192 | 41 | 82736 | 1.09 | ppbv | 100 |
| 8.299 | 101 | 146279 | 1.35 | ppbv | 97 |
| 8.396 | 76 | 181293 | 1.3 | ppbv # | 67 |
| 8.45 | 71 | 102718 | 1.69 | ppbv | 96 |
| 8.88 | 61 | 99284 | 1.25 | ppbv | 97 |
| 9.125 | 70 | 42121 | 1.26 | ppbv | 100 |
| 9.125 | 71 | 39759 | 1.32 | ppbv | 79 |
| 9.064 | 63 | 139059 | 1.31 | ppbv | 97 |
| 9.1 | 73 | 140454 | 1.17 | ppbv # | 85 |
| 9.112 | 43 | 225567 | 1.19 | ppbv | 99 |
| 9.198 | 71 | 52626 | 1.25 | ppbv | 93 |
| 9.405 | 43 | 115664 | 1.4 | ppbv | 97 |
| 9.564 | 57 | 132685 | 2.02 | ppbv # | 88 |
| 9.576 | 53 | 111887 | 1.16 | ppbv # | 11 |
| 9.71 | 56 | 26026 | 0.81 | ppbv # | 78 |
| 9.832 | 61 | 42921 | 0.85 | ppbv | 98 |
| 9.991 | 45 | 145754 | 0.9 | ppbv | 96 |
| 9.588 | 88 | 36450 | 12.54 | ppbv # | 1 |
| 10.015 | 57 | 91703 | 0.89 | ppbv | 84 |
| 10.113 | 83 | 82639 | 0.87 | ppbv | 100 |
| 10.542 | 42 | 46445 | 0.95 | ppbv # | 90 |
| 10.542 | 59 | 97609 | 0.82 | ppbv | 99 |
| 10.893 | 69 | 19663 | 0.91 | ppbv # | 53 |
| 10.884 | 62 | 100729 | 0.99 | ppbv | 99 |
| 10.919 | 43 | 105414 | 1.02 | ppbv # | 63 |
| 11.158 | 97 | 111475 | 0.95 | ppbv | 99 |
| 11.682 | 78 | 119795 | 0.87 | ppbv | 96 |
| 11.865 | 117 | 122082 | 0.88 | ppbv | 99 |
| 12.012 | 41 | 95262 | 0.96 | ppbv # | 96 |
| 12.17 | 43 | 93139 | 1.02 | ppbv | 94 |
| 12.28 | 56 | 55699 | 0.93 | ppbv # | 78 |
| 12.378 | 73 | 60169 | 0.85 | ppbv # | 81 |
| 12.488 | 43 | 77018 | 1.01 | ppbv | 94 |
| 12.683 | 63 | 28681 | 0.93 | ppbv | 100 |
| 12.671 | 55 | 34169 | 0.72 | ppbv # | 73 |
| 12.939 | 83 | 92386 | 0.95 | ppbv | 99 |
| 13.037 | 88 | 7830 | 0.73 | ppbv # | 2 |
| 13 | 130 | 25548 | 0.9 | ppbv | 96 |
| 13.012 | 57 | 312205 | 0.91 | ppbv | 92 |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47) | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56) | 1,2-Dichloroethane |
| 57) | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69) | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 7.75 | 43 | 6466 | | 0.03 | ppbv | # | 66 |
| 7.846 | 67 | 993 | m | 0.01 | ppbv | | |
| 7.868 | 55 | 696 | m | 0 | ppbv | | |
| 8.018 | 55 | 720 | m | 0 | ppbv | | |
| 8.018 | 59 | 4419 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 8.094 | 84 | 2240 | m | Below | Cal | | |
| 8.18 | 41 | 1225 | m | Below | Cal | | |
| 8.298 | 101 | 1286 | m | Below | Cal | | |
| 8.384 | 76 | 2975 | m | Below | Cal | | |
| 8.449 | 71 | 444 | m | Below | Cal | | |
| 8.879 | 61 | 1121 | m | Below | Cal | | |
| 9.16 | 70 | 1738 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.135 | 43 | 101567 | | 0.31 | ppbv | # | 73 |
| 0 | | 0 | | N.D | . | | |
| 9.404 | 43 | 16138 | | 0.18 | ppbv | # | 59 |
| 9.563 | 57 | 552 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.819 | 61 | 115 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.002 | 57 | 837 | m | Below | Cal | | |
| 10.124 | 83 | 313 | m | Below | Cal | | |
| 10.549 | 42 | 1450 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 11.689 | 78 | 1556 | m | Below | Cal | | |
| 11.873 | 117 | 875 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 12.47 | 43 | 367 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 13.032 | 130 | 366 | m | 0.02 | ppbv | | |
| 13.02 | 57 | 1295 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 4380 | m | 0.01 | ppbv | | |
| 7.74 | 43 | 153553 | | 0.72 | ppbv | # | 94 |
| 7.846 | 67 | 7740 | | 0.06 | ppbv | | 86 |
| 7.868 | 55 | 4552 | m | 0.02 | ppbv | | |
| 8.008 | 55 | 3831 | m | 0.02 | ppbv | | |
| 7.997 | 59 | 33943 | | 0.11 | ppbv | # | 66 |
| 0 | | 0 | | N.D | . | d | |
| 8.083 | 84 | 12090 | | Below | Cal | | 98 |
| 8.18 | 41 | 1568 | m | Below | Cal | | |
| 8.287 | 101 | 6920 | | Below | Cal | # | 73 |
| 8.373 | 76 | 5192 | | Below | Cal | # | 43 |
| 8.438 | 71 | 1708 | m | Below | Cal | | |
| 8.867 | 61 | 1327 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 9.184 | 71 | 44074 | m | 0.83 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.135 | 43 | 383464 | | 1.15 | ppbv | # | 86 |
| 9.184 | 71 | 48212 | | 0.64 | ppbv | # | 1 |
| 9.392 | 43 | 153881 | | 1.07 | ppbv | # | 80 |
| 9.538 | 57 | 8444 | | 0.07 | ppbv | # | 8 |
| 9.55 | 53 | 895 | m | 0 | ppbv | | |
| 9.684 | 56 | 6566 | | 0.12 | ppbv | # | 83 |
| 0 | | 0 | | N.D | . | d | |
| 9.99 | 45 | 572638 | | 2.03 | ppbv | # | 71 |
| 10.002 | 88 | 71276 | | 14 | ppbv | # | 89 |
| 9.99 | 57 | 24733 | | 0.11 | ppbv | # | 1 |
| 10.099 | 83 | 2211 | m | Below | Cal | | |
| 10.523 | 42 | 5241 | | 0.09 | ppbv | # | 56 |
| 0 | | 0 | | N.D | . | | |
| 10.917 | 69 | 3075 | m | 0.09 | ppbv | | |
| 10.874 | 62 | 1856 | m | Below | Cal | | |
| 10.909 | 43 | 51597 | | 0.29 | ppbv | # | 63 |
| 11.166 | 97 | 395 | m | Below | Cal | | |
| 11.677 | 78 | 28135 | | 0.1 | ppbv | | 98 |
| 11.86 | 117 | 7339 | m | Below | Cal | | |
| 12.007 | 41 | 6035 | | 0.04 | ppbv | # | 1 |
| 12.153 | 43 | 741393 | | 5.35 | ppbv | # | 94 |
| 12.275 | 56 | 143362 | | 1.56 | ppbv | # | 66 |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 617616 | | 5.29 | ppbv | | 95 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 3353 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 3209 | m | 0.08 | ppbv | | |
| 13.007 | 57 | 10365 | | 0.08 | ppbv | # | 1 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7.74 | 53 | 4644 | m | 0.02 | ppbv | |
| 7.74 | 43 | 159353 | | 0.76 | ppbv # | 94 |
| 7.836 | 67 | 7484 | | 0.06 | ppbv | 98 |
| 7.868 | 55 | 5263 | m | 0.02 | ppbv | |
| 8.008 | 55 | 4604 | m | 0.02 | ppbv | |
| 8.008 | 59 | 34206 | | 0.11 | ppbv # | 68 |
| 0 | | 0 | | N.D | . d | |
| 8.083 | 84 | 12848 | m | Below | Cal | |
| 8.169 | 41 | 1179 | m | Below | Cal | |
| 8.287 | 101 | 7097 | m | Below | Cal | |
| 8.384 | 76 | 5721 | m | Below | Cal | |
| 8.449 | 71 | 1429 | m | Below | Cal | |
| 8.867 | 61 | 1291 | m | Below | Cal | |
| 0 | | 0 | | N.D | . d | |
| 9.184 | 71 | 41692 | m | 0.78 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 9.136 | 43 | 362146 | m | 1.08 | ppbv | |
| 9.184 | 71 | 48164 | | 0.65 | ppbv # | 1 |
| 9.392 | 43 | 158881 | | 1.11 | ppbv # | 81 |
| 9.55 | 57 | 7125 | | 0.06 | ppbv # | 2 |
| 9.55 | 53 | 1098 | m | 0.01 | ppbv | |
| 9.685 | 56 | 6923 | | 0.13 | ppbv # | 84 |
| 0 | | 0 | | N.D | . d | |
| 9.99 | 45 | 575606 | | 2.05 | ppbv # | 73 |
| 10.002 | 88 | 70193 | | 13.85 | ppbv # | 84 |
| 10.002 | 57 | 25072 | | 0.11 | ppbv # | 1 |
| 10.112 | 83 | 2251 | m | Below | Cal | |
| 10.532 | 42 | 1623 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 10.909 | 69 | 2873 | m | 0.08 | ppbv | |
| 10.875 | 62 | 1853 | m | Below | Cal | |
| 10.909 | 43 | 51133 | | 0.29 | ppbv # | 62 |
| 11.166 | 97 | 421 | m | Below | Cal | |
| 11.677 | 78 | 28414 | | 0.1 | ppbv | 98 |
| 11.86 | 117 | 7115 | m | Below | Cal | |
| 12.007 | 41 | 5671 | | 0.04 | ppbv # | 1 |
| 12.153 | 43 | 730526 | | 5.38 | ppbv # | 94 |
| 12.275 | 56 | 142566 | | 1.58 | ppbv # | 67 |
| 0 | | 0 | | N.D | . d | |
| 12.483 | 43 | 611335 | | 5.34 | ppbv | 95 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 12.922 | 83 | 2960 | m | 0.01 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 12.995 | 130 | 3165 | m | 0.08 | ppbv | |
| 13.02 | 57 | 9752 | | 0.08 | ppbv # | 1 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.74 | 53 | 5377 | | 0.03 | ppbv | # | 16 |
| 7.75 | 43 | 157797 | | 0.8 | ppbv | # | 94 |
| 7.846 | 67 | 9442 | | 0.08 | ppbv | | 96 |
| 7.868 | 55 | 7142 | m | 0.03 | ppbv | | |
| 8.008 | 55 | 6582 | m | 0.03 | ppbv | | |
| 8.008 | 59 | 57442 | | 0.24 | ppbv | # | 75 |
| 0 | | 0 | | N.D | . | | |
| 8.083 | 84 | 8406 | | Below | Cal | | 98 |
| 8.158 | 41 | 3185 | m | Below | Cal | | |
| 8.287 | 101 | 6193 | m | Below | Cal | | |
| 8.384 | 76 | 4726 | m | Below | Cal | | |
| 8.448 | 71 | 1501 | m | Below | Cal | | |
| 8.867 | 61 | 1257 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 9.184 | 71 | 24366 | | 0.48 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.135 | 43 | 329047 | | 1.05 | ppbv | # | 83 |
| 9.184 | 71 | 24366 | | 0.34 | ppbv | # | 1 |
| 9.392 | 43 | 273010 | | 2.02 | ppbv | # | 91 |
| 9.55 | 57 | 12602 | | 0.12 | ppbv | # | 2 |
| 9.55 | 53 | 1355 | m | 0.01 | ppbv | | |
| 9.685 | 56 | 2431 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 9.99 | 45 | 300056 | | 1.14 | ppbv | # | 71 |
| 10.002 | 88 | 37228 | | 7.82 | ppbv | # | 92 |
| 10.002 | 57 | 13669 | | 0.05 | ppbv | # | 1 |
| 10.112 | 83 | 1682 | m | Below | Cal | | |
| 10.541 | 42 | 1727 | m | 0.05 | ppbv | | |
| 10.506 | 59 | 174 | m | 0.04 | ppbv | | |
| 10.917 | 69 | 2036 | m | 0.07 | ppbv | | |
| 10.874 | 62 | 1242 | m | Below | Cal | | |
| 10.917 | 43 | 16682 | | 0.11 | ppbv | # | 62 |
| 11.157 | 97 | 392 | m | Below | Cal | | |
| 11.677 | 78 | 39834 | | 0.16 | ppbv | | 99 |
| 11.872 | 117 | 5970 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.165 | 43 | 284377 | | 2.19 | ppbv | # | 89 |
| 12.275 | 56 | 49020 | | 0.58 | ppbv | # | 34 |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 211817 | | 1.95 | ppbv | | 90 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.922 | 83 | 2035 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 2682 | m | 0.07 | ppbv | | |
| 13.02 | 57 | 7990 | | 0.08 | ppbv | # | 1 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 2895 | m | Below | Cal | | |
| 7.75 | 43 | 128723 | | 0.7 | ppbv | # | 94 |
| 7.846 | 67 | 12255 | | 0.11 | ppbv | | 87 |
| 7.868 | 55 | 8083 | m | 0.04 | ppbv | | |
| 8.018 | 55 | 5903 | | 0.03 | ppbv | # | 44 |
| 8.018 | 59 | 30163 | | 0.11 | ppbv | # | 65 |
| 0 | | 0 | | N.D | . | | |
| 8.083 | 84 | 5580 | | Below | Cal | # | 73 |
| 8.18 | 41 | 1594 | m | Below | Cal | | |
| 8.298 | 101 | 6437 | | Below | Cal | # | 72 |
| 8.384 | 76 | 5705 | | Below | Cal | # | 43 |
| 8.449 | 71 | 1937 | m | Below | Cal | | |
| 8.879 | 61 | 1406 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 9.184 | 71 | 13371 | | 0.28 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.135 | 43 | 298970 | | 1.01 | ppbv | # | 81 |
| 9.184 | 71 | 13371 | | 0.2 | ppbv | # | 1 |
| 9.404 | 43 | 359289 | | 2.87 | ppbv | | 98 |
| 9.55 | 57 | 39454 | | 0.39 | ppbv | # | 65 |
| 9.55 | 53 | 2749 | m | 0.02 | ppbv | | |
| 9.685 | 56 | 1969 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.002 | 45 | 136207 | | 0.56 | ppbv | # | 71 |
| 10.002 | 88 | 15956 | | 3.6 | ppbv | # | 72 |
| 10.002 | 57 | 8052 | | 0.02 | ppbv | # | 1 |
| 10.112 | 83 | 1147 | m | Below | Cal | | |
| 10.532 | 42 | 1241 | m | 0.04 | ppbv | | |
| 10.524 | 59 | 317 | m | 0.04 | ppbv | | |
| 10.926 | 69 | 1540 | m | 0.06 | ppbv | | |
| 10.875 | 62 | 1183 | m | Below | Cal | | |
| 10.917 | 43 | 5685 | | 0.05 | ppbv | # | 40 |
| 11.157 | 97 | 390 | m | Below | Cal | | |
| 11.677 | 78 | 27232 | | 0.11 | ppbv | | 99 |
| 11.86 | 117 | 4486 | m | Below | Cal | | |
| 11.995 | 41 | 744 | m | 0.01 | ppbv | | |
| 12.19 | 43 | 145540 | | 1.17 | ppbv | # | 75 |
| 12.275 | 56 | 15360 | | 0.19 | ppbv | # | 14 |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 58854 | | 0.57 | ppbv | # | 93 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 2086 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 3655 | m | 0.1 | ppbv | | |
| 13.02 | 57 | 6533 | | 0.08 | ppbv | # | 45 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.771 | 53 | 4161 | m | 0.02 | ppbv | | |
| 7.771 | 43 | 152354 | | 0.85 | ppbv | # | 94 |
| 7.868 | 67 | 10317 | | 0.09 | ppbv | | 88 |
| 7.889 | 55 | 4159 | m | 0.02 | ppbv | | |
| 8.04 | 55 | 3265 | m | 0.02 | ppbv | | |
| 8.029 | 59 | 21494 | | 0.07 | ppbv | # | 47 |
| 0 | | 0 | | N.D | . | | |
| 8.104 | 84 | 6983 | m | Below | Cal | | |
| 8.201 | 41 | 1037 | m | Below | Cal | | |
| 8.309 | 101 | 6665 | m | Below | Cal | | |
| 8.405 | 76 | 13345 | m | Below | Cal | | |
| 8.47 | 71 | 1126 | m | Below | Cal | | |
| 8.879 | 61 | 1151 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 9.123 | 73 | 3548 | m | Below | Cal | | |
| 9.16 | 43 | 169435 | | 0.55 | ppbv | # | 83 |
| 9.209 | 71 | 7027 | | 0.11 | ppbv | # | 1 |
| 9.416 | 43 | 220775 | | 1.81 | ppbv | | 95 |
| 9.562 | 57 | 18876 | | 0.19 | ppbv | # | 66 |
| 9.562 | 53 | 1189 | m | 0.01 | ppbv | | |
| 9.709 | 56 | 1360 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 10.014 | 45 | 129873 | | 0.55 | ppbv | # | 71 |
| 10.026 | 88 | 14945 | | 3.49 | ppbv | # | 64 |
| 9.562 | 57 | 18685 | | 0.09 | ppbv | # | 1 |
| 10.136 | 83 | 1044 | m | Below | Cal | | |
| 10.558 | 42 | 1787 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.934 | 69 | 779 | m | 0.03 | ppbv | | |
| 10.892 | 62 | 1244 | m | Below | Cal | | |
| 10.934 | 43 | 3716 | m | 0.03 | ppbv | | |
| 11.174 | 97 | 251 | m | Below | Cal | | |
| 11.689 | 78 | 24608 | | 0.1 | ppbv | | 96 |
| 11.872 | 117 | 5041 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 12.177 | 43 | 101589 | | 0.84 | ppbv | # | 75 |
| 12.287 | 56 | 11544 | | 0.15 | ppbv | # | 14 |
| 0 | | 0 | | N.D | . d | | |
| 12.495 | 43 | 46666 | | 0.46 | ppbv | # | 93 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 12.958 | 83 | 1795 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 2635 | m | 0.08 | ppbv | | |
| 13.032 | 57 | 2780 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.771 | 53 | 2346 | m | Below | Cal | | |
| 7.771 | 43 | 76797 | m | 0.44 | ppbv | | |
| 7.868 | 67 | 6706 | | 0.06 | ppbv | | 99 |
| 7.889 | 55 | 2657 | m | 0.01 | ppbv | | |
| 8.04 | 55 | 2604 | m | 0.01 | ppbv | | |
| 8.029 | 59 | 18486 | | 0.05 | ppbv | # | 69 |
| 0 | | 0 | | N.D | . | | |
| 8.104 | 84 | 5224 | | Below | Cal | # | 77 |
| 8.201 | 41 | 866 | m | Below | Cal | | |
| 8.319 | 101 | 6328 | | Below | Cal | # | 75 |
| 8.405 | 76 | 5674 | | Below | Cal | # | 43 |
| 8.47 | 71 | 1134 | m | Below | Cal | | |
| 8.891 | 61 | 957 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 9.209 | 71 | 5547 | | 0.12 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.16 | 43 | 130196 | | 0.42 | ppbv | # | 81 |
| 9.209 | 71 | 5547 | | 0.09 | ppbv | # | 1 |
| 9.416 | 43 | 173313 | | 1.48 | ppbv | | 99 |
| 9.575 | 57 | 5552 | | 0.06 | ppbv | # | 22 |
| 9.575 | 53 | 568 | m | 0 | ppbv | | |
| 9.697 | 56 | 785 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.014 | 45 | 68177 | | 0.3 | ppbv | # | 71 |
| 10.026 | 88 | 7820 | | 1.92 | ppbv | # | 68 |
| 0 | | 0 | | N.D | . | | |
| 10.136 | 83 | 945 | m | Below | Cal | | |
| 10.558 | 42 | 1861 | m | 0.05 | ppbv | | |
| 10.532 | 59 | 171 | m | 0.04 | ppbv | | |
| 10.943 | 69 | 685 | m | 0.03 | ppbv | | |
| 10.9 | 62 | 1102 | m | Below | Cal | | |
| 10.926 | 43 | 2239 | m | 0.02 | ppbv | | |
| 11.174 | 97 | 274 | m | Below | Cal | | |
| 11.702 | 78 | 9477 | | 0.03 | ppbv | # | 46 |
| 11.872 | 117 | 4285 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.178 | 43 | 53893 | | 0.46 | ppbv | # | 1 |
| 12.287 | 56 | 6594 | | 0.09 | ppbv | # | 14 |
| 0 | | 0 | | N.D | . | d | |
| 12.495 | 43 | 22264 | | 0.23 | ppbv | | 96 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.959 | 83 | 1444 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 1766 | m | 0.05 | ppbv | | |
| 13.02 | 57 | 2563 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53) | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.771 | 53 | 1155 | m | Below | Cal | | |
| 7.76 | 43 | 47102 | | 0.27 | ppbv | # | 97 |
| 7.857 | 67 | 3329 | m | 0.03 | ppbv | | |
| 7.879 | 55 | 1671 | m | 0.01 | ppbv | | |
| 8.04 | 55 | 1456 | m | 0.01 | ppbv | | |
| 8.029 | 59 | 10859 | | 0.01 | ppbv | # | 32 |
| 0 | | 0 | | N.D | . | d | |
| 8.104 | 84 | 31885 | | 0.29 | ppbv | | 99 |
| 8.19 | 41 | 754 | m | Below | Cal | | |
| 8.309 | 101 | 6197 | m | Below | Cal | | |
| 8.405 | 76 | 4380 | m | Below | Cal | | |
| 8.47 | 71 | 1158 | m | Below | Cal | | |
| 8.891 | 61 | 1000 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.111 | 73 | 3262 | m | Below | Cal | | |
| 9.16 | 43 | 105209 | | 0.32 | ppbv | # | 79 |
| 9.209 | 71 | 2156 | m | 0.03 | ppbv | | |
| 9.416 | 43 | 92063 | | 0.8 | ppbv | | 99 |
| 9.563 | 57 | 2810 | m | 0.03 | ppbv | | |
| 9.563 | 53 | 474 | m | 0 | ppbv | | |
| 9.697 | 56 | 588 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.014 | 45 | 73876 | | 0.33 | ppbv | # | 71 |
| 10.026 | 88 | 8638 | | 2.11 | ppbv | # | 67 |
| 0 | | 0 | | N.D | . | | |
| 10.124 | 83 | 1033 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.934 | 69 | 522 | m | 0.03 | ppbv | | |
| 10.892 | 62 | 1041 | m | Below | Cal | | |
| 10.926 | 43 | 1510 | m | 0.02 | ppbv | | |
| 11.183 | 97 | 270 | m | Below | Cal | | |
| 11.689 | 78 | 10332 | | 0.03 | ppbv | # | 46 |
| 11.872 | 117 | 4828 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.165 | 43 | 16538 | | 0.15 | ppbv | # | 1 |
| 12.275 | 56 | 3795 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 16003 | | 0.17 | ppbv | # | 71 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 1251 | m | Below | Cal | | |
| 13.068 | 88 | 325 | m | 0.13 | ppbv | | |
| 13.007 | 130 | 1076 | m | 0.04 | ppbv | | |
| 13.032 | 57 | 2802 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36) | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49) | Diisopropyl ether |
| 50) | Ethyl Acetate |
| 51] | n-Hexane |
| 52) | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58) | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66) | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 7.771 | 43 | 835 | m | Below | Cal | | |
| 7.868 | 67 | 581 | m | 0 | ppbv | | |
| 7.911 | 55 | 550 | m | 0 | ppbv | | |
| 8.04 | 55 | 493 | m | 0 | ppbv | | |
| 8.04 | 59 | 1430 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 8.104 | 84 | 486 | m | Below | Cal | | |
| 8.212 | 41 | 1146 | m | Below | Cal | | |
| 8.319 | 101 | 339 | m | Below | Cal | | |
| 8.416 | 76 | 2013 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 8.903 | 61 | 951 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.123 | 73 | 3596 | m | Below | Cal | | |
| 9.16 | 43 | 5102 | | Below | Cal | # | 91 |
| 0 | | 0 | | N.D | . | | |
| 9.44 | 43 | 2885 | m | 0.07 | ppbv | | |
| 9.575 | 57 | 236 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.026 | 57 | 364 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 10.566 | 42 | 1013 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.909 | 62 | 88 | m | Below | Cal | | |
| 10.934 | 43 | 258 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 11.702 | 78 | 601 | m | Below | Cal | | |
| 11.872 | 117 | 228 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 12.971 | 83 | 1175 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 156 | m | 0.01 | ppbv | | |
| 13.032 | 57 | 783 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68] | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7.71 | 53 | 36636 | | 1.06 | ppbv | 98 |
| 7.752 | 43 | 132071 | | 1.16 | ppbv # | 99 |
| 7.848 | 67 | 76011 | | 1.15 | ppbv | 97 |
| 7.88 | 55 | 132073 | | 1.13 | ppbv | 99 |
| 8.031 | 55 | 127393 | | 1.11 | ppbv | 98 |
| 8.009 | 59 | 113839 | | 0.99 | ppbv | 90 |
| 7.998 | 61 | 107514 | | 1.16 | ppbv | 98 |
| 8.095 | 84 | 52061 | | 1.05 | ppbv | 95 |
| 8.192 | 41 | 74609 | | 1.03 | ppbv | 98 |
| 8.299 | 101 | 136042 | | 1.32 | ppbv | 97 |
| 8.396 | 76 | 164975 | | 1.22 | ppbv # | 65 |
| 8.45 | 71 | 94206 | | 1.63 | ppbv | 96 |
| 8.881 | 61 | 92458 | | 1.22 | ppbv | 98 |
| 9.125 | 70 | 39261 | | 1.24 | ppbv | 100 |
| 9.125 | 71 | 36603 | | 1.28 | ppbv | 79 |
| 9.064 | 63 | 127911 | | 1.26 | ppbv | 97 |
| 9.1 | 73 | 130766 | | 1.15 | ppbv # | 85 |
| 9.112 | 43 | 208466 | | 1.15 | ppbv | 98 |
| 9.198 | 71 | 48785 | | 1.22 | ppbv | 92 |
| 9.405 | 43 | 102755 | | 1.31 | ppbv | 99 |
| 9.564 | 57 | 58803 | | 0.93 | ppbv # | 78 |
| 9.576 | 53 | 84611 | | 0.92 | ppbv # | 47 |
| 9.71 | 56 | 24066 | | 0.79 | ppbv # | 72 |
| 9.832 | 61 | 40229 | | 0.84 | ppbv | 98 |
| 9.991 | 45 | 133039 | | 0.87 | ppbv | 97 |
| 10.016 | 88 | 3720 | m | 1.37 | ppbv | |
| 10.016 | 57 | 86374 | | 0.88 | ppbv | 87 |
| 10.113 | 83 | 77069 | | 0.85 | ppbv | 100 |
| 10.534 | 42 | 43046 | | 0.93 | ppbv # | 90 |
| 10.542 | 59 | 91778 | | 0.81 | ppbv | 98 |
| 10.893 | 69 | 17942 | | 0.87 | ppbv # | 53 |
| 10.885 | 62 | 92765 | | 0.96 | ppbv | 99 |
| 10.919 | 43 | 98156 | | 1 | ppbv # | 61 |
| 11.158 | 97 | 104779 | | 0.94 | ppbv | 99 |
| 11.682 | 78 | 111287 | | 0.85 | ppbv | 96 |
| 11.865 | 117 | 113189 | | 0.85 | ppbv | 100 |
| 12.012 | 41 | 87962 | | 0.93 | ppbv # | 97 |
| 12.158 | 43 | 86723 | | 1.01 | ppbv | 94 |
| 12.28 | 56 | 51301 | | 0.91 | ppbv # | 79 |
| 12.378 | 73 | 57096 | | 0.85 | ppbv # | 83 |
| 12.488 | 43 | 72010 | | 1 | ppbv | 95 |
| 12.683 | 63 | 27011 | | 0.93 | ppbv | 98 |
| 12.659 | 55 | 32944 | | 0.73 | ppbv # | 73 |
| 12.939 | 83 | 85247 | | 0.93 | ppbv | 99 |
| 13.037 | 88 | 7306 | | 0.72 | ppbv # | 1 |
| 13 | 130 | 24408 | | 0.91 | ppbv | 96 |
| 13.012 | 57 | 294225 | | 0.91 | ppbv | 93 |

| | |
|---|---|
| 25) | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38) | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47) | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55) | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63) | 2-Methylhexane |
| 64) | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 7.75 | 43 | 3061 | m | 0.01 | ppbv | | |
| 7.846 | 67 | 635 | m | 0 | ppbv | | |
| 7.878 | 55 | 924 | m | 0 | ppbv | | |
| 8.029 | 55 | 756 | m | 0 | ppbv | | |
| 8.018 | 59 | 4273 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 8.094 | 84 | 1291 | m | Below | Cal | | |
| 8.562 | 41 | 23280 | | 0.2 | ppbv | # | 55 |
| 8.298 | 101 | 732 | m | Below | Cal | | |
| 8.384 | 76 | 1957 | m | Below | Cal | | |
| 8.438 | 71 | 374 | m | Below | Cal | | |
| 8.879 | 61 | 1181 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 3713 | m | Below | Cal | | |
| 9.147 | 43 | 23242 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 9.404 | 43 | 25319 | | 0.28 | ppbv | # | 59 |
| 9.538 | 57 | 687 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.014 | 45 | 968 | m | 0.01 | ppbv | | |
| 10.002 | 88 | 141 | m | 0.07 | ppbv | | |
| 10.014 | 57 | 900 | m | Below | Cal | | |
| 10.112 | 83 | 250 | m | Below | Cal | | |
| 10.541 | 42 | 1534 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 10.892 | 62 | 271 | m | Below | Cal | | |
| 10.917 | 43 | 519 | m | 0.01 | ppbv | | |
| 11.148 | 97 | 145 | m | Below | Cal | | |
| 11.677 | 78 | 1098 | m | Below | Cal | | |
| 11.86 | 117 | 524 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 923 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 1319 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.983 | 130 | 328 | m | 0.02 | ppbv | | |
| 13.019 | 57 | 1205 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.76 | 53 | 2315 | m | Below | Cal | | |
| 7.75 | 43 | 103693 | | 0.64 | ppbv | # | 95 |
| 7.846 | 67 | 2877 | m | 0.03 | ppbv | | |
| 7.868 | 55 | 2046 | m | 0.01 | ppbv | | |
| 8.018 | 55 | 1842 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 18186 | | 0.06 | ppbv | # | 77 |
| 8.008 | 61 | 358 | m | Below | Cal | | |
| 8.094 | 84 | 5584 | | Below | Cal | # | 77 |
| 8.18 | 41 | 1008 | m | Below | Cal | | |
| 8.298 | 101 | 5980 | | Below | Cal | # | 73 |
| 8.384 | 76 | 6118 | | Below | Cal | # | 43 |
| 8.448 | 71 | 1220 | m | Below | Cal | | |
| 8.879 | 61 | 927 | m | Below | Cal | | |
| 9.148 | 70 | 5486 | | 0.11 | ppbv | | 100 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 2916 | m | Below | Cal | | |
| 9.148 | 43 | 140309 | | 0.5 | ppbv | # | 76 |
| 9.196 | 71 | 2546 | m | 0.04 | ppbv | | |
| 9.404 | 43 | 91887 | | 0.85 | ppbv | | 100 |
| 9.538 | 57 | 2968 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 9.709 | 56 | 638 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 10.002 | 45 | 83923 | | 0.39 | ppbv | # | 71 |
| 10.014 | 88 | 9359 | | 2.42 | ppbv | # | 54 |
| 0 | | 0 | | N.D | . | | |
| 10.124 | 83 | 872 | m | Below | Cal | | |
| 10.549 | 42 | 1138 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.926 | 69 | 915 | m | 0.04 | ppbv | | |
| 10.892 | 62 | 946 | m | Below | Cal | | |
| 10.917 | 43 | 7692 | | 0.06 | ppbv | # | 40 |
| 11.166 | 97 | 197 | m | Below | Cal | | |
| 11.677 | 78 | 9706 | | 0.03 | ppbv | # | 46 |
| 11.86 | 117 | 4230 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 12.165 | 43 | 83739 | | 0.76 | ppbv | # | 90 |
| 12.275 | 56 | 18701 | | 0.26 | ppbv | # | 57 |
| 0 | | 0 | | N.D | . d | | |
| 12.483 | 43 | 69401 | | 0.76 | ppbv | | 95 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 12.922 | 83 | 1375 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 1194 | m | 0.04 | ppbv | | |
| 13.007 | 57 | 2827 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41) | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43) | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46) | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 2259 | m | Below | Cal | | |
| 7.74 | 43 | 107021 | | 0.64 | ppbv | # | 96 |
| 7.846 | 67 | 2950 | m | 0.03 | ppbv | | |
| 7.857 | 55 | 1529 | m | 0.01 | ppbv | | |
| 8.008 | 55 | 1877 | m | 0.01 | ppbv | | |
| 8.008 | 59 | 17136 | | 0.05 | ppbv | # | 71 |
| 8.008 | 61 | 275 | m | Below | Cal | | |
| 8.083 | 84 | 5677 | m | Below | Cal | | |
| 8.169 | 41 | 652 | m | Below | Cal | | |
| 8.287 | 101 | 5801 | m | Below | Cal | | |
| 8.384 | 76 | 5896 | m | Below | Cal | | |
| 8.438 | 71 | 1275 | m | Below | Cal | | |
| 8.867 | 61 | 901 | m | Below | Cal | | |
| 9.135 | 70 | 5223 | | 0.1 | ppbv | | 100 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 9.135 | 43 | 140397 | | 0.48 | ppbv | # | 77 |
| 0 | | 0 | | N.D | . | | |
| 9.404 | 43 | 90996 | | 0.81 | ppbv | | 99 |
| 9.55 | 57 | 3788 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 9.697 | 56 | 610 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.002 | 45 | 80382 | m | 0.36 | ppbv | | |
| 10.002 | 88 | 9920 | | 2.48 | ppbv | # | 76 |
| 0 | | 0 | | N.D | . | | |
| 10.112 | 83 | 766 | m | Below | Cal | | |
| 10.541 | 42 | 1033 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.909 | 69 | 969 | m | 0.04 | ppbv | | |
| 10.883 | 62 | 1087 | m | Below | Cal | | |
| 10.909 | 43 | 7230 | | 0.06 | ppbv | # | 40 |
| 11.166 | 97 | 231 | m | Below | Cal | | |
| 11.665 | 78 | 9749 | | 0.03 | ppbv | # | 46 |
| 11.86 | 117 | 4043 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.153 | 43 | 83478 | | 0.73 | ppbv | # | 91 |
| 12.275 | 56 | 18677 | | 0.25 | ppbv | # | 47 |
| 0 | | 0 | | N.D | . | d | |
| 12.483 | 43 | 69542 | | 0.72 | ppbv | | 93 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 1483 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 1234 | m | 0.04 | ppbv | | |
| 13.007 | 57 | 2589 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.76 | 53 | 4256 | m | 0.03 | ppbv | | |
| 7.75 | 43 | 156414 | | 0.93 | ppbv | # | 97 |
| 7.857 | 67 | 12217 | | 0.12 | ppbv | | 91 |
| 7.879 | 55 | 5572 | | 0.03 | ppbv | # | 43 |
| 8.018 | 55 | 3797 | m | 0.02 | ppbv | | |
| 8.018 | 59 | 18337 | | 0.06 | ppbv | # | 70 |
| 8.008 | 61 | 690 | m | Below | Cal | | |
| 8.094 | 84 | 5649 | m | Below | Cal | | |
| 8.18 | 41 | 1415 | m | Below | Cal | | |
| 8.298 | 101 | 6345 | m | Below | Cal | | |
| 8.395 | 76 | 4190 | m | Below | Cal | | |
| 8.449 | 71 | 2846 | m | 0.01 | ppbv | | |
| 8.879 | 61 | 1152 | m | Below | Cal | | |
| 9.16 | 70 | 8669 | | 0.17 | ppbv | | 100 |
| 9.196 | 71 | 7701 | | 0.18 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 9.111 | 73 | 2990 | m | Below | Cal | | |
| 9.148 | 43 | 133777 | | 0.45 | ppbv | # | 83 |
| 9.196 | 71 | 7701 | | 0.12 | ppbv | # | 1 |
| 9.416 | 43 | 78776 | | 0.71 | ppbv | | 100 |
| 9.575 | 57 | 5109 | | 0.06 | ppbv | # | 23 |
| 9.575 | 53 | 745 | m | 0 | ppbv | | |
| 9.709 | 56 | 1062 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 10.014 | 45 | 114124 | | 0.51 | ppbv | # | 71 |
| 10.014 | 88 | 13733 | | 3.4 | ppbv | # | 79 |
| 10.014 | 57 | 6463 | | 0.01 | ppbv | # | 1 |
| 10.112 | 83 | 1001 | m | Below | Cal | | |
| 10.541 | 42 | 1558 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.9 | 69 | 1215 | m | 0.05 | ppbv | | |
| 10.892 | 62 | 1180 | m | Below | Cal | | |
| 10.926 | 43 | 6260 | | 0.05 | ppbv | # | 40 |
| 11.157 | 97 | 555 | m | Below | Cal | | |
| 11.689 | 78 | 18370 | | 0.07 | ppbv | # | 71 |
| 11.873 | 117 | 4059 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . d | | |
| 12.165 | 43 | 66488 | | 0.59 | ppbv | # | 90 |
| 12.287 | 56 | 14624 | | 0.2 | ppbv | # | 33 |
| 0 | | 0 | | N.D | . d | | |
| 12.495 | 43 | 58552 | | 0.62 | ppbv | # | 94 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 12.946 | 83 | 1542 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 13.007 | 130 | 5046 | | 0.15 | ppbv | # | 58 |
| 13.02 | 57 | 10258 | | 0.09 | ppbv | # | 53 |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65) | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.319 | 53 | 5838 | | 0.06 | ppbv | # | 16 |
| 7.75 | 43 | 87800 | | 0.53 | ppbv | # | 98 |
| 7.846 | 67 | 2916 | m | 0.03 | ppbv | | |
| 7.878 | 55 | 2251 | m | 0.01 | ppbv | | |
| 8.029 | 55 | 1735 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 11146 | | 0.01 | ppbv | # | 74 |
| 8.373 | 61 | 5816 | | Below | Cal | # | 32 |
| 8.083 | 84 | 4835 | m | Below | Cal | | |
| 8.19 | 41 | 854 | m | Below | Cal | | |
| 8.298 | 101 | 5449 | m | Below | Cal | | |
| 8.395 | 76 | 3680 | m | Below | Cal | | |
| 8.448 | 71 | 901 | m | Below | Cal | | |
| 8.879 | 61 | 1018 | m | Below | Cal | | |
| 9.147 | 70 | 4227 | m | 0.08 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 2989 | m | Below | Cal | | |
| 9.147 | 43 | 81449 | | 0.24 | ppbv | # | 77 |
| 9.196 | 71 | 1526 | m | 0.02 | ppbv | | |
| 9.416 | 43 | 61193 | | 0.57 | ppbv | | 99 |
| 9.562 | 57 | 1691 | m | 0.02 | ppbv | | |
| 9.575 | 53 | 268 | m | 0 | ppbv | | |
| 9.709 | 56 | 880 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 10.014 | 45 | 25300 | | 0.12 | ppbv | # | 71 |
| 10.014 | 88 | 3332 | m | 0.86 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.124 | 83 | 852 | m | Below | Cal | | |
| 10.549 | 42 | 1135 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.892 | 69 | 456 | m | 0.02 | ppbv | | |
| 10.892 | 62 | 891 | m | Below | Cal | | |
| 10.917 | 43 | 953 | m | 0.02 | ppbv | | |
| 11.157 | 97 | 250 | m | Below | Cal | | |
| 11.689 | 78 | 9164 | | 0.03 | ppbv | # | 46 |
| 11.872 | 117 | 4119 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.177 | 43 | 3571 | m | 0.04 | ppbv | | |
| 12.275 | 56 | 704 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 12.495 | 43 | 3480 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 12.946 | 83 | 1351 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 1533 | m | 0.05 | ppbv | | |
| 13.032 | 57 | 2361 | m | 0.07 | ppbv | | |

| | |
|---|---|
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31) | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39) | 2,3-Dimethylbutane |
| 40) | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48) | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51) | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54) | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61) | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67) | 1,2-Dichloropropane |
| 68) | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70) | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |

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|---|---|---|---|---|---|---|---|
| 7.75 | 53 | 2787 | m | Below | Cal | | |
| 7.75 | 43 | 100600 | | 0.6 | ppbv | # | 97 |
| 7.846 | 67 | 8485 | | 0.08 | ppbv | | 87 |
| 7.868 | 55 | 3156 | m | 0.02 | ppbv | | |
| 8.018 | 55 | 2326 | m | 0.01 | ppbv | | |
| 8.018 | 59 | 13395 | | 0.03 | ppbv | # | 74 |
| 0 | | 0 | | N.D | . | d | |
| 8.083 | 84 | 5094 | | Below | Cal | # | 77 |
| 8.18 | 41 | 781 | m | Below | Cal | | |
| 8.298 | 101 | 5475 | | Below | Cal | # | 17 |
| 8.384 | 76 | 7161 | | Below | Cal | # | 43 |
| 8.459 | 71 | 1217 | m | Below | Cal | | |
| 8.879 | 61 | 929 | m | Below | Cal | | |
| 9.148 | 70 | 10215 | | 0.21 | ppbv | | 100 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 9.099 | 73 | 3249 | m | Below | Cal | | |
| 9.148 | 43 | 135851 | | 0.46 | ppbv | # | 80 |
| 9.196 | 71 | 6471 | | 0.1 | ppbv | # | 1 |
| 9.404 | 43 | 860083 | | 8.26 | ppbv | | 99 |
| 9.562 | 57 | 3093 | m | 0.04 | ppbv | | |
| 9.55 | 53 | 486 | m | 0 | ppbv | | |
| 9.697 | 56 | 1070 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 10.002 | 45 | 25452 | | 0.12 | ppbv | # | 71 |
| 10.014 | 88 | 3463 | m | 0.89 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.112 | 83 | 775 | m | Below | Cal | | |
| 10.541 | 42 | 1201 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 10.9 | 69 | 630 | m | 0.03 | ppbv | | |
| 10.883 | 62 | 994 | m | Below | Cal | | |
| 10.917 | 43 | 2243 | m | 0.03 | ppbv | | |
| 11.148 | 97 | 323 | m | Below | Cal | | |
| 11.677 | 78 | 8529 | | 0.02 | ppbv | # | 46 |
| 11.86 | 117 | 3784 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 12.165 | 43 | 7122 | | 0.07 | ppbv | # | 1 |
| 12.275 | 56 | 1629 | m | 0.02 | ppbv | | |
| 12.385 | 73 | 43 | m | 0.04 | ppbv | | |
| 12.483 | 43 | 6606 | | 0.08 | ppbv | # | 39 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 12.934 | 83 | 1295 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 12.995 | 130 | 2333 | m | 0.07 | ppbv | | |
| 13.02 | 57 | 6183 | | 0.08 | ppbv | # | 45 |

| | |
|---|---|
| 73] | Methyl Methacrylate |
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78] | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86] | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

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|---|---|---|---|---|---|---|
| 13.232 | 41 | 35375 | | 0.76 | ppbv # | 89 |
| 13.354 | 43 | 172285 | | 1.01 | ppbv # | 91 |
| 14.163 | 75 | 25744 | | 0.74 | ppbv | 98 |
| 14.218 | 43 | 65436 | m | 0.78 | ppbv | |
| 14.305 | 83 | 44063 | | 0.82 | ppbv # | 81 |
| 14.919 | 75 | 13078 | | 0.71 | ppbv # | 51 |
| 15.173 | 97 | 30375 | | 0.88 | ppbv # | 88 |
| 15.354 | 43 | 128157 | | 0.9 | ppbv # | 92 |
| 15.587 | 91 | 167636 | | 0.8 | ppbv | 99 |
| 15.871 | 57 | 74268 | | 0.81 | ppbv | 88 |
| 16.162 | 43 | 105637 | | 2.1 | ppbv # | 76 |
| 16.212 | 129 | 73045 | | 0.86 | ppbv | 100 |
| 16.162 | 43 | 105637 | | 0.97 | ppbv # | 87 |
| 16.604 | 107 | 37141 | | 0.84 | ppbv | 99 |
| 17.121 | 43 | 99817 | | 0.82 | ppbv | 96 |
| 17.337 | 166 | 55426 | | 0.88 | ppbv | 96 |
| 18.432 | 131 | 74131 | | 1.11 | ppbv | 100 |
| 18.465 | 112 | 72920 | | 0.91 | ppbv | 97 |
| 19.134 | 91 | 237289 | | 0.81 | ppbv | 96 |
| 19.45 | 91 | 196788 | m | 0.79 | ppbv | |
| 19.47 | 91 | 265872 | m | 0.86 | ppbv | |
| 19.551 | 173 | 67319 | | 0.91 | ppbv | 99 |
| 20.121 | 104 | 84031 | | 0.7 | ppbv | 95 |
| 20.008 | 55 | 22990 | m | 0.97 | ppbv | |
| 20.294 | 83 | 82386 | | 0.96 | ppbv | 100 |
| 20.306 | 91 | 258687 | | 0.86 | ppbv # | 70 |
| 20.817 | 57 | 79186 | | 0.9 | ppbv | 99 |
| 21.18 | 95 | 251081 | | 11.33 | ppbv | 94 |
| 21.471 | 105 | 138274 | | 0.85 | ppbv | 96 |
| 22.538 | 91 | 122164 | | 0.8 | ppbv # | 100 |
| 22.538 | 91 | 122164 | | 0.73 | ppbv | 96 |
| 22.783 | 105 | 102874 | | 0.65 | ppbv # | 48 |
| 23.043 | 105 | 283317 | | 0.79 | ppbv | 97 |
| 23.952 | 105 | 295119 | | 0.75 | ppbv # | 96 |
| 23.93 | 119 | 175002 | | 0.84 | ppbv | 94 |
| 22.859 | 105 | 247997 | | 0.74 | ppbv | 97 |
| 23.438 | 105 | 113830 | | 0.73 | ppbv # | 88 |
| 24.253 | 146 | 72683 | | 0.68 | ppbv | 99 |
| 24.399 | 146 | 77335 | | 0.63 | ppbv | 98 |
| 24.298 | 57 | 119123 | | 0.82 | ppbv | 98 |
| 24.544 | 105 | 208618 | | 0.77 | ppbv | 97 |
| 24.856 | 105 | 128942 | | 0.75 | ppbv | 95 |
| 25.068 | 146 | 93431 | | 0.8 | ppbv | 97 |
| 25.258 | 119 | 173183 | | 0.82 | ppbv | 96 |
| 25.493 | 119 | 90817 | | 0.82 | ppbv | 98 |
| 25.649 | 119 | 105032 | | 0.85 | ppbv | 91 |
| 25.683 | 91 | 305231 | | 0.95 | ppbv | 99 |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

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|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 13.349 | 43 | 1786 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 14.221 | 43 | 48638 | | 0.52 | ppbv | # | 85 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 15.581 | 91 | 2559996 | | 7.96 | ppbv | | 99 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 16.236 | 129 | 1203 | m | 0.06 | ppbv | | |
| 16.158 | 43 | 419 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.136 | 43 | 1047 | m | 0.03 | ppbv | | |
| 17.342 | 166 | 233 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.163 | 91 | 2414 | m | 0.14 | ppbv | | |
| 19.472 | 91 | 4080 | m | 0.02 | ppbv | | |
| 19.509 | 91 | 3544 | m | 0.14 | ppbv | | |
| 19.57 | 173 | 1116 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.335 | 91 | 2013 | m | 0.09 | ppbv | | |
| 20.823 | 57 | 407 | m | 0.02 | ppbv | | |
| 21.186 | 95 | 237628 | | Below | Cal | | 93 |
| 21.477 | 105 | 750 | m | 0.05 | ppbv | | |
| 22.239 | 91 | 20785 | | 0.25 | ppbv | # | 100 |
| 22.239 | 91 | 20785 | | 0.17 | ppbv | # | 59 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 23.483 | 105 | 559 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.577 | 105 | 434 | m | Below | Cal | | |
| 24.901 | 105 | 574 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 13.349 | 43 | 1457 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 14.229 | 43 | 49344 | | 0.53 | ppbv | # | 86 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . d | | |
| 15.571 | 91 | 2570516 | | 8.16 | ppbv | | 99 |
| 0 | | 0 | | N.D | . | | |
| 16.168 | 43 | 437 | m | Below | Cal | | |
| 16.226 | 129 | 1192 | m | 0.06 | ppbv | | |
| 16.168 | 43 | 446 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.136 | 43 | 1155 | m | 0.03 | ppbv | | |
| 17.342 | 166 | 240 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.17 | 91 | 2095 | m | 0.14 | ppbv | | |
| 19.472 | 91 | 6835 | m | 0.03 | ppbv | | |
| 19.516 | 91 | 3124 | m | 0.14 | ppbv | | |
| 19.566 | 173 | 1052 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.347 | 91 | 2139 | m | 0.09 | ppbv | | |
| 20.823 | 57 | 456 | m | 0.03 | ppbv | | |
| 21.194 | 95 | 230513 | | Below | Cal | | 92 |
| 21.484 | 105 | 715 | m | 0.05 | ppbv | | |
| 22.245 | 91 | 19970 | | 0.25 | ppbv | # | 100 |
| 22.245 | 91 | 19970 | | 0.17 | ppbv | # | 59 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.343 | 57 | 1346 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 758 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100) | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 13.361 | 43 | 1755 | m | 0.04 | ppbv |
| 0 | | 0 | | N.D | . |
| 14.276 | 43 | 5205 | m | 0.24 | ppbv |
| 14.316 | 83 | 264 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 15.6 | 91 | 3199 | m | 0.08 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 16.227 | 129 | 1010 | m | 0.05 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 17.127 | 43 | 1327 | m | 0.03 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 19.157 | 91 | 566 | m | 0.13 | ppbv |
| 19.489 | 91 | 694 | m | 0.01 | ppbv |
| 19.55 | 91 | 898 | m | 0.13 | ppbv |
| 19.573 | 173 | 1001 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 20.347 | 91 | 586 | m | 0.09 | ppbv |
| 0 | | 0 | | N.D | . d |
| 21.194 | 95 | 206572 | m | Below | Cal |
| 21.47 | 105 | 508 | m | 0.05 | ppbv |
| 22.597 | 91 | 440 | m | 0.17 | ppbv |
| 22.597 | 91 | 391 | m | 0.1 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 24.343 | 57 | 1079 | m | 0.03 | ppbv |
| 0 | | 0 | | N.D | . |
| 24.901 | 105 | 441 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 25.749 | 91 | 606 | m | 0.07 | ppbv |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76) | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 13.361 | 43 | 738 | m | 0.04 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 14.292 | 83 | 166 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 15.629 | 91 | 845 | m | 0.07 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 16.236 | 129 | 1088 | m | 0.05 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 17.127 | 43 | 560 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 19.177 | 91 | 559 | m | 0.13 | ppbv |
| 19.543 | 91 | 770 | m | 0.02 | ppbv |
| 19.576 | 91 | 721 | m | 0.13 | ppbv |
| 19.586 | 173 | 986 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 20.358 | 91 | 745 | m | 0.09 | ppbv |
| 20.83 | 57 | 161 | m | 0.02 | ppbv |
| 21.194 | 95 | 178255 | m | Below | Cal |
| 21.498 | 105 | 544 | m | 0.05 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76) | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100) | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 13.349 | 43 | 893 | m | 0.04 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . d |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 15.61 | 91 | 645 | m | 0.07 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 16.246 | 129 | 948 | m | 0.05 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 19.173 | 91 | 417 | m | 0.13 | ppbv |
| 19.529 | 91 | 471 | m | 0.01 | ppbv |
| 19.566 | 91 | 622 | m | 0.13 | ppbv |
| 19.58 | 173 | 928 | m | 0.02 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 20.353 | 91 | 576 | m | 0.09 | ppbv |
| 0 | | 0 | | N.D | . d |
| 21.194 | 95 | 183815 | m | Below | Cal |
| 21.499 | 105 | 610 | m | 0.05 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | |
| 13.361 | 43 | 2086 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 14.245 | 43 | 23023 | | 0.36 | ppbv # | 61 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 15.6 | 91 | 3193 | m | 0.08 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 16.226 | 129 | 1155 | m | 0.06 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 17.136 | 43 | 706 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 19.177 | 91 | 528 | m | 0.13 | ppbv | |
| 19.536 | 91 | 625 | m | 0.01 | ppbv | |
| 19.57 | 91 | 642 | m | 0.13 | ppbv | |
| 19.57 | 173 | 1008 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.364 | 91 | 583 | m | 0.09 | ppbv | |
| 20.831 | 57 | 320 | m | 0.02 | ppbv | |
| 21.194 | 95 | 183150 | m | Below | Cal | |
| 21.506 | 105 | 574 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 24.331 | 57 | 1230 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 25.292 | 119 | 319 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76) | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81) | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100) | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | N.D | . | | |
| 13.361 | 43 | 544 | m | 0.04 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 16.236 | 129 | 932 | m | 0.05 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 19.177 | 91 | 336 | m | 0.13 | ppbv | |
| 19.486 | 91 | 417 | m | 0.01 | ppbv | |
| 19.57 | 91 | 585 | m | 0.13 | ppbv | |
| 19.583 | 173 | 883 | m | 0.02 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 20.358 | 91 | 459 | m | 0.09 | ppbv | |
| 0 | | 0 | N.D | . | d | |
| 21.194 | 95 | 163813 | Below | Cal | | 92 |
| 21.499 | 105 | 372 | m | 0.05 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |

| | |
|---|---|
| 73] | Methyl Methacrylate |
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78] | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86] | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13.234 | 41 | 32830 | | 0.74 | ppbv | # | 90 |
| 13.343 | 43 | 173770 | | 1.04 | ppbv | # | 91 |
| 14.156 | 75 | 24627 | | 0.72 | ppbv | | 99 |
| 14.22 | 43 | 67232 | m | 0.8 | ppbv | | |
| 14.299 | 83 | 44745 | | 0.84 | ppbv | # | 82 |
| 14.921 | 75 | 12812 | m | 0.71 | ppbv | | |
| 15.167 | 97 | 30784 | | 0.91 | ppbv | | 89 |
| 15.347 | 43 | 126060 | | 0.9 | ppbv | # | 91 |
| 15.58 | 91 | 166357 | | 0.81 | ppbv | | 100 |
| 15.864 | 57 | 72526 | | 0.81 | ppbv | | 89 |
| 16.164 | 43 | 106261 | | 2.18 | ppbv | # | 92 |
| 16.214 | 129 | 75758 | | 0.91 | ppbv | | 100 |
| 16.164 | 43 | 106261 | | 1 | ppbv | # | 85 |
| 16.605 | 107 | 34473 | | 0.8 | ppbv | | 99 |
| 17.122 | 43 | 94827 | | 0.79 | ppbv | | 97 |
| 17.339 | 166 | 55898 | | 0.91 | ppbv | | 97 |
| 18.434 | 131 | 74229 | | 1.16 | ppbv | | 99 |
| 18.462 | 112 | 71540 | | 0.93 | ppbv | | 100 |
| 19.135 | 91 | 223634 | | 0.8 | ppbv | | 95 |
| 19.455 | 91 | 194426 | m | 0.81 | ppbv | | |
| 19.465 | 91 | 255443 | m | 0.86 | ppbv | | |
| 19.549 | 173 | 70565 | | 0.99 | ppbv | | 99 |
| 20.125 | 104 | 78987 | | 0.69 | ppbv | | 91 |
| 20.03 | 55 | 27954 | m | 1.04 | ppbv | | |
| 20.292 | 83 | 83100 | | 1.01 | ppbv | | 100 |
| 20.31 | 91 | 253253 | | 0.87 | ppbv | # | 70 |
| 20.815 | 57 | 75354 | | 0.89 | ppbv | | 99 |
| 21.186 | 95 | 257161 | | 18.37 | ppbv | | 95 |
| 21.476 | 105 | 135460 | | 0.86 | ppbv | | 96 |
| 22.54 | 91 | 112154 | | 0.77 | ppbv | # | 100 |
| 22.54 | 91 | 112154 | | 0.7 | ppbv | | 96 |
| 22.781 | 105 | 96217 | | 0.63 | ppbv | # | 48 |
| 23.041 | 105 | 281040 | | 0.81 | ppbv | | 98 |
| 23.954 | 105 | 287970 | | 0.76 | ppbv | # | 97 |
| 23.932 | 119 | 167230 | | 0.83 | ppbv | | 95 |
| 22.865 | 105 | 245615 | | 0.75 | ppbv | | 97 |
| 23.44 | 105 | 106194 | | 0.71 | ppbv | # | 89 |
| 24.255 | 146 | 69334 | | 0.67 | ppbv | | 99 |
| 24.412 | 146 | 76682 | | 0.65 | ppbv | | 99 |
| 24.3 | 57 | 112417 | | 0.8 | ppbv | | 95 |
| 24.546 | 105 | 202768 | | 0.77 | ppbv | | 97 |
| 24.858 | 105 | 112722 | | 0.68 | ppbv | | 94 |
| 25.07 | 146 | 86153 | | 0.76 | ppbv | | 98 |
| 25.26 | 119 | 161830 | | 0.79 | ppbv | | 96 |
| 25.495 | 119 | 84502 | | 0.79 | ppbv | | 98 |
| 25.651 | 119 | 101994 | | 0.85 | ppbv | | 96 |
| 25.685 | 91 | 290225 | | 0.93 | ppbv | | 98 |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100) | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . d | |
| 13.361 | 43 | 794 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 14.277 | 43 | 7340 | m | 0.25 | ppbv | |
| 14.292 | 83 | 295 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 15.62 | 91 | 1005 | m | 0.07 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 16.246 | 129 | 1067 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 17.352 | 166 | 205 | m | 0.03 | ppbv | |
| 18.438 | 131 | 432 | m | Below | Cal | |
| 18.474 | 112 | 403 | m | Below | Cal | |
| 19.167 | 91 | 1103 | m | 0.13 | ppbv | |
| 19.516 | 91 | 1115 | m | 0.02 | ppbv | |
| 19.573 | 91 | 1079 | m | 0.13 | ppbv | |
| 19.587 | 173 | 1246 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.347 | 83 | 442 | m | Below | Cal | |
| 20.347 | 91 | 1225 | m | 0.09 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 21.194 | 95 | 207596 | | Below | Cal | 92 |
| 21.484 | 105 | 1279 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 23.085 | 105 | 2015 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 23.941 | 119 | 1020 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 23.494 | 105 | 1004 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 24.343 | 57 | 1025 | m | 0.03 | ppbv | |
| 24.577 | 105 | 1103 | m | Below | Cal | |
| 24.923 | 105 | 1086 | m | 0.02 | ppbv | |
| 25.169 | 146 | 411 | m | Below | Cal | |
| 25.292 | 119 | 1292 | m | 0.04 | ppbv | |
| 25.56 | 119 | 591 | m | 0.03 | ppbv | |
| 25.761 | 119 | 728 | m | 0.03 | ppbv | |
| 25.783 | 91 | 941 | m | 0.07 | ppbv | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . d | |
| 13.361 | 43 | 8902 | | 0.07 | ppbv # | 40 |
| 0 | | 0 | | N.D | . | |
| 14.221 | 43 | 191167 | | 1.44 | ppbv # | 93 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 15.581 | 91 | 2220302 | | 6.91 | ppbv | 99 |
| 15.874 | 57 | 574 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 16.236 | 129 | 1270 | m | 0.06 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 17.136 | 43 | 1345 | m | 0.03 | ppbv | |
| 17.361 | 166 | 173 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 19.153 | 91 | 4367 | m | 0.14 | ppbv | |
| 19.469 | 91 | 5135 | m | 0.03 | ppbv | |
| 19.496 | 91 | 5236 | m | 0.14 | ppbv | |
| 19.58 | 173 | 1060 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.341 | 91 | 4193 | m | 0.09 | ppbv | |
| 21.186 | 57 | 11591 | | 0.12 | ppbv # | 52 |
| 21.194 | 95 | 226457 | | Below | Cal | 93 |
| 21.499 | 105 | 694 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 23.085 | 105 | 741 | m | 0.05 | ppbv | |
| 24.019 | 105 | 1283 | m | 0 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 24.331 | 57 | 45015 | | 0.25 | ppbv # | 46 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . d | |
| 13.361 | 43 | 9350 | | 0.08 | ppbv # | 40 |
| 0 | | 0 | | N.D | . | |
| 14.213 | 43 | 191250 | | 1.46 | ppbv # | 92 |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 15.581 | 91 | 2224818 | | 7.05 | ppbv | 99 |
| 15.874 | 57 | 458 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 16.227 | 129 | 1284 | m | 0.06 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 17.146 | 43 | 1599 | m | 0.03 | ppbv | |
| 17.342 | 166 | 200 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 19.157 | 91 | 4114 | m | 0.14 | ppbv | |
| 19.459 | 91 | 5119 | m | 0.03 | ppbv | |
| 19.482 | 91 | 6220 | m | 0.14 | ppbv | |
| 19.573 | 173 | 1021 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.335 | 91 | 3716 | m | 0.09 | ppbv | |
| 20.823 | 57 | 463 | m | 0.03 | ppbv | |
| 21.194 | 95 | 221404 | | Below | Cal | 93 |
| 21.484 | 105 | 518 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . d | |
| 0 | | 0 | | N.D | . d | |
| 22.775 | 105 | 1135 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 24.331 | 57 | 44380 | | 0.25 | ppbv # | 46 |
| 0 | | 0 | | N.D | . | |
| 24.934 | 105 | 985 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | | . d | |
| 13.349 | 43 | 17966 | | 0.11 | ppbv | # | 71 |
| 0 | | 0 | | N.D | | . | |
| 14.189 | 43 | 816331 | | 5.67 | ppbv | # | 94 |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 15.581 | 91 | 260634 | | 0.91 | ppbv | | 100 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 16.236 | 129 | 1070 | m | 0.05 | ppbv | | |
| 16.158 | 43 | 856 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 17.127 | 43 | 2116 | m | 0.03 | ppbv | | |
| 17.332 | 166 | 253 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 19.153 | 91 | 1722 | m | 0.13 | ppbv | | |
| 19.465 | 91 | 2616 | m | 0.02 | ppbv | | |
| 19.543 | 91 | 4283 | m | 0.14 | ppbv | | |
| 19.58 | 173 | 1154 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 20.352 | 91 | 5012 | | 0.1 | ppbv | # | 100 |
| 20.816 | 57 | 794 | m | 0.03 | ppbv | | |
| 21.186 | 95 | 239147 | | Below | Cal | | 92 |
| 21.477 | 105 | 688 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . d | |
| 22.781 | 105 | 8083 | | 0.06 | ppbv | # | 12 |
| 0 | | 0 | | N.D | | . d | |
| 24.008 | 105 | 984 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . d | |
| 23.472 | 105 | 639 | m | 0.02 | ppbv | | |
| 24.331 | 146 | 662 | m | Below | Cal | | |
| 0 | | 0 | | N.D | | . | |
| 24.331 | 57 | 1430050 | | 8.11 | ppbv | # | 53 |
| 0 | | 0 | | N.D | | . | |
| 24.901 | 105 | 1867 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 24.901 | 119 | 18699 | | 0.1 | ppbv | | 95 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.361 | 43 | 11381 | | 0.08 | ppbv | # | 40 |
| 0 | | 0 | | N.D | . | | |
| 14.205 | 43 | 505541 | | 3.59 | ppbv | # | 93 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.59 | 91 | 73045 | | 0.31 | ppbv | | 99 |
| 15.884 | 57 | 1199 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 16.236 | 129 | 1163 | m | 0.06 | ppbv | | |
| 16.168 | 43 | 1251 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.127 | 43 | 2394 | m | 0.04 | ppbv | | |
| 17.342 | 166 | 309 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.153 | 91 | 3668 | m | 0.14 | ppbv | | |
| 19.465 | 91 | 5811 | m | 0.03 | ppbv | | |
| 19.546 | 91 | 7614 | m | 0.15 | ppbv | | |
| 19.573 | 173 | 1221 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 20.364 | 91 | 13324 | | 0.11 | ppbv | # | 100 |
| 20.816 | 57 | 1580 | m | 0.03 | ppbv | | |
| 21.194 | 95 | 244947 | | Below | Cal | | 94 |
| 21.491 | 105 | 833 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.781 | 105 | 40228 | | 0.21 | ppbv | # | 12 |
| 23.079 | 105 | 876 | m | 0.05 | ppbv | | |
| 23.996 | 105 | 1520 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 23.483 | 105 | 1124 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 2541144 | | 17.9 | ppbv | # | 53 |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 2978 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.912 | 119 | 32552 | | 0.15 | ppbv | | 97 |
| 25.18 | 119 | 6499 | | 0.06 | ppbv | # | 78 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.349 | 43 | 41614 | | 0.21 | ppbv | # | 88 |
| 0 | | 0 | | N.D | . | | |
| 14.189 | 43 | 1217946 | | 8.43 | ppbv | # | 95 |
| 14.292 | 83 | 4641 | m | 0.08 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.581 | 91 | 57215 | | 0.25 | ppbv | | 98 |
| 15.874 | 57 | 3401 | m | 0.04 | ppbv | | |
| 16.148 | 43 | 3294 | m | Below | Cal | | |
| 16.217 | 129 | 1178 | m | 0.05 | ppbv | | |
| 16.148 | 43 | 3111 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.127 | 43 | 7938 | | 0.07 | ppbv | # | 45 |
| 17.332 | 166 | 506 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 18.474 | 112 | 491 | m | Below | Cal | | |
| 19.147 | 91 | 2336 | m | 0.14 | ppbv | | |
| 19.466 | 91 | 2946 | m | 0.02 | ppbv | | |
| 19.536 | 91 | 8192 | m | 0.15 | ppbv | | |
| 19.57 | 173 | 1346 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.359 | 91 | 14502 | | 0.12 | ppbv | # | 100 |
| 20.816 | 57 | 4394 | m | 0.06 | ppbv | | |
| 21.186 | 95 | 255523 | m | Below | Cal | | |
| 21.484 | 105 | 1030 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.776 | 105 | 46845 | | 0.23 | ppbv | # | 12 |
| 0 | | 0 | | N.D | . | d | |
| 24.008 | 105 | 1500 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 22.776 | 105 | 46845 | | 0.17 | ppbv | # | 51 |
| 23.472 | 105 | 928 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.332 | 57 | 3124234 | | 25.23 | ppbv | # | 53 |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 3800 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.912 | 119 | 51155 | | 0.2 | ppbv | | 97 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.361 | 43 | 48377 | | 0.23 | ppbv | # | 90 |
| 0 | | 0 | | N.D | . | | |
| 14.189 | 43 | 1277979 | | 8.79 | ppbv | # | 95 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.59 | 91 | 39862 | | 0.19 | ppbv | | 98 |
| 15.864 | 57 | 3676 | m | 0.05 | ppbv | | |
| 16.168 | 43 | 4195 | m | Below | Cal | | |
| 16.217 | 129 | 1169 | m | 0.05 | ppbv | | |
| 16.168 | 43 | 3570 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 17.352 | 166 | 520 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.153 | 91 | 2052 | m | 0.14 | ppbv | | |
| 19.469 | 91 | 2399 | m | 0.02 | ppbv | | |
| 19.543 | 91 | 8173 | m | 0.15 | ppbv | | |
| 19.566 | 173 | 1236 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.358 | 91 | 16106 | | 0.12 | ppbv | # | 100 |
| 20.823 | 57 | 2384 | m | 0.04 | ppbv | | |
| 21.186 | 95 | 248434 | | Below | Cal | | 96 |
| 21.491 | 105 | 997 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.775 | 105 | 61613 | | 0.3 | ppbv | # | 12 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 5096145 | | Below | Cal | # | 53 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.349 | 43 | 27483 | | 0.15 | ppbv | # | 88 |
| 0 | | 0 | | N.D | . | | |
| 14.197 | 43 | 727823 | | 5.21 | ppbv | # | 95 |
| 14.3 | 83 | 3111 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.346 | 43 | 1688 | m | 0.02 | ppbv | | |
| 15.581 | 91 | 61988 | | 0.27 | ppbv | | 98 |
| 15.864 | 57 | 5658 | | 0.06 | ppbv | # | 1 |
| 16.148 | 43 | 6328 | | Below | Cal | # | 76 |
| 16.226 | 129 | 1076 | m | 0.05 | ppbv | | |
| 16.148 | 43 | 6328 | | 0.06 | ppbv | # | 24 |
| 0 | | 0 | | N.D | . | | |
| 17.117 | 43 | 5370 | | 0.05 | ppbv | # | 45 |
| 17.342 | 166 | 572 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 18.462 | 112 | 543 | m | Below | Cal | | |
| 19.153 | 91 | 2254 | m | 0.14 | ppbv | | |
| 19.462 | 91 | 3496 | m | 0.02 | ppbv | | |
| 19.529 | 91 | 10169 | m | 0.15 | ppbv | | |
| 19.566 | 173 | 1316 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 20.358 | 91 | 17194 | | 0.12 | ppbv | # | 100 |
| 20.823 | 57 | 4169 | m | 0.06 | ppbv | | |
| 21.186 | 95 | 286823 | m | Below | Cal | | |
| 21.477 | 105 | 1908 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.775 | 105 | 66142 | | 0.32 | ppbv | # | 12 |
| 0 | | 0 | | N.D | . | d | |
| 23.985 | 105 | 2227 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 23.461 | 105 | 827 | m | 0.02 | ppbv | | |
| 24.298 | 146 | 1897 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 6016557 | | Below | Cal | # | 53 |
| 24.901 | 105 | 10019 | | Below | Cal | # | 1 |
| 24.901 | 105 | 10364 | | 0.06 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 25.191 | 119 | 4303 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74) | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76) | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81) | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92) | Ethylbenzene |
| 93) | m-Xylene |
| 94) | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99) | o-Xylene |
| 100) | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

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|---|---|---|---|---|---|---|
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 16.246 | 129 | 792 | m | 0.05 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 19.593 | 173 | 726 | m | 0.02 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | d | |
| 21.201 | 95 | 138008 | Below | Cal | | 91 |
| 21.484 | 105 | 328 | m | 0.05 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |

| | |
|---|---|
| 73] | Methyl Methacrylate |
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78] | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86] | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

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|---|---|---|---|---|---|
| 13.232 | 41 | 28189 | 0.73 | ppbv # | 91 |
| 13.354 | 43 | 140987 | 0.96 | ppbv | 95 |
| 14.163 | 75 | 21681 | 0.72 | ppbv | 99 |
| 14.226 | 43 | 35141 | 0.56 | ppbv # | 83 |
| 14.305 | 83 | 38816 | 0.83 | ppbv # | 82 |
| 14.926 | 75 | 11205 | 0.7 | ppbv # | 63 |
| 15.173 | 97 | 27599 | 0.93 | ppbv | 89 |
| 15.354 | 43 | 113749 | 0.93 | ppbv # | 91 |
| 15.587 | 91 | 148283 | 0.82 | ppbv | 100 |
| 15.871 | 57 | 64097 | 0.81 | ppbv | 89 |
| 16.162 | 43 | 91392 | 2.11 | ppbv # | 91 |
| 16.22 | 129 | 65738 | 0.9 | ppbv | 100 |
| 16.162 | 43 | 91392 | 0.98 | ppbv # | 87 |
| 16.612 | 107 | 30761 | 0.81 | ppbv | 94 |
| 17.129 | 43 | 82673 | 0.79 | ppbv | 97 |
| 17.337 | 166 | 48705 | 0.9 | ppbv | 96 |
| 18.432 | 131 | 65407 | 1.18 | ppbv | 100 |
| 18.465 | 112 | 62751 | 0.94 | ppbv | 97 |
| 19.137 | 91 | 195567 | 0.8 | ppbv | 95 |
| 19.446 | 91 | 135637 | 0.66 | ppbv | 95 |
| 19.137 | 91 | 195646 | 0.78 | ppbv | 94 |
| 19.551 | 173 | 61662 | 1 | ppbv | 100 |
| 20.127 | 104 | 68906 | 0.69 | ppbv | 91 |
| 20.05 | 55 | 8280 | 0.82 | ppbv # | 99 |
| 20.294 | 83 | 74160 | 1.04 | ppbv | 100 |
| 20.312 | 91 | 223896 | 0.88 | ppbv # | 70 |
| 20.817 | 57 | 64697 | 0.88 | ppbv | 99 |
| 21.187 | 95 | 229728 | 22.23 | ppbv | 95 |
| 21.478 | 105 | 120149 | 0.88 | ppbv | 96 |
| 22.542 | 91 | 96935 | 0.77 | ppbv # | 100 |
| 22.542 | 91 | 96935 | 0.7 | ppbv | 96 |
| 22.782 | 105 | 85987 | 0.65 | ppbv # | 47 |
| 23.043 | 105 | 244351 | 0.81 | ppbv | 97 |
| 23.952 | 105 | 251665 | 0.76 | ppbv # | 97 |
| 23.93 | 119 | 144829 | 0.83 | ppbv | 93 |
| 22.863 | 105 | 215789 | 0.76 | ppbv | 97 |
| 23.438 | 105 | 94542 | 0.73 | ppbv # | 86 |
| 24.253 | 146 | 60703 | 0.68 | ppbv | 99 |
| 24.41 | 146 | 63369 | 0.62 | ppbv | 96 |
| 24.309 | 57 | 97614 | 0.81 | ppbv | 98 |
| 24.544 | 105 | 176651 | 0.78 | ppbv | 97 |
| 24.856 | 105 | 98891 | 0.69 | ppbv | 96 |
| 25.08 | 146 | 73680 | 0.75 | ppbv | 97 |
| 25.258 | 119 | 141148 | 0.8 | ppbv | 96 |
| 25.493 | 119 | 73598 | 0.8 | ppbv | 98 |
| 25.66 | 119 | 88776 | 0.86 | ppbv | 95 |
| 25.682 | 91 | 253350 | 0.94 | ppbv | 98 |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76) | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

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|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . d | |
| 13.361 | 43 | 971 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 14.3 | 83 | 237 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 15.63 | 91 | 641 | m | 0.07 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 16.236 | 129 | 762 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 17.137 | 43 | 525 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 19.194 | 91 | 418 | m | 0.13 | ppbv | |
| 19.556 | 91 | 483 | m | 0.01 | ppbv | |
| 19.576 | 91 | 815 | m | 0.13 | ppbv | |
| 19.59 | 173 | 779 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.37 | 91 | 510 | m | 0.09 | ppbv | |
| 20.831 | 57 | 179 | m | 0.02 | ppbv | |
| 21.194 | 95 | 162151 | | Below | Cal | 92 |
| 21.506 | 105 | 381 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.349 | 43 | 57153 | | 0.28 | ppbv | # | 88 |
| 0 | | 0 | | N.D | . | | |
| 14.181 | 43 | 1599973 | | 11.86 | ppbv | # | 95 |
| 14.284 | 83 | 6583 | m | 0.1 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.581 | 91 | 72019 | | 0.31 | ppbv | | 98 |
| 15.864 | 57 | 7638 | | 0.08 | ppbv | # | 1 |
| 16.158 | 43 | 5641 | | Below | Cal | # | 76 |
| 16.226 | 129 | 1066 | m | 0.05 | ppbv | | |
| 16.158 | 43 | 5641 | | 0.06 | ppbv | # | 24 |
| 0 | | 0 | | N.D | . | | |
| 17.117 | 43 | 4616 | m | 0.05 | ppbv | | |
| 17.342 | 166 | 881 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 18.462 | 112 | 559 | m | Below | Cal | | |
| 19.143 | 91 | 3098 | m | 0.14 | ppbv | | |
| 19.455 | 91 | 4347 | m | 0.03 | ppbv | | |
| 19.523 | 91 | 10411 | m | 0.15 | ppbv | | |
| 19.56 | 173 | 1251 | m | 0.02 | ppbv | | |
| 20.198 | 104 | 601 | m | 0.13 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 20.358 | 91 | 15579 | | 0.12 | ppbv | # | 100 |
| 20.823 | 57 | 5601 | | 0.07 | ppbv | # | 52 |
| 21.186 | 95 | 282298 | | Below | Cal | | 93 |
| 21.484 | 105 | 2608 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.775 | 105 | 55268 | | 0.28 | ppbv | # | 12 |
| 0 | | 0 | | N.D | . | d | |
| 23.985 | 105 | 2707 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 23.472 | 105 | 1428 | m | 0.02 | ppbv | | |
| 24.298 | 146 | 8655 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 24.331 | 57 | 7600536 | m | Below | Cal | | |
| 24.912 | 105 | 10077 | | Below | Cal | # | 1 |
| 24.912 | 105 | 10077 | | 0.06 | ppbv | # | 1 |
| 25.124 | 146 | 221 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

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|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.349 | 43 | 57093 | | 0.29 | ppbv | # | 89 |
| 14.174 | 75 | 181 | m | 0.15 | ppbv | | |
| 14.182 | 43 | 1583334 | | 11.97 | ppbv | # | 95 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 15.191 | 97 | 91 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 15.581 | 91 | 71593 | | 0.31 | ppbv | | 97 |
| 15.865 | 57 | 8499 | | 0.09 | ppbv | # | 1 |
| 16.139 | 43 | 9916 | | Below | Cal | # | 76 |
| 16.227 | 129 | 1101 | m | 0.05 | ppbv | | |
| 16.139 | 43 | 9916 | | 0.09 | ppbv | # | 24 |
| 0 | | 0 | | N.D | . | | |
| 17.127 | 43 | 4645 | m | 0.05 | ppbv | | |
| 17.342 | 166 | 809 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 18.468 | 112 | 566 | m | Below | Cal | | |
| 19.15 | 91 | 2488 | m | 0.14 | ppbv | | |
| 19.452 | 91 | 4141 | m | 0.02 | ppbv | | |
| 19.526 | 91 | 8647 | m | 0.15 | ppbv | | |
| 19.563 | 173 | 1189 | m | 0.02 | ppbv | | |
| 20.192 | 104 | 506 | m | 0.13 | ppbv | | |
| 20.084 | 55 | 688 | m | 0.7 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 20.359 | 91 | 15343 | | 0.12 | ppbv | # | 100 |
| 20.823 | 57 | 5825 | | 0.07 | ppbv | # | 52 |
| 21.186 | 95 | 266832 | m | Below | Cal | | |
| 21.477 | 105 | 1993 | m | 0.05 | ppbv | | |
| 22.567 | 91 | 2485 | m | 0.18 | ppbv | | |
| 22.567 | 91 | 2679 | m | 0.1 | ppbv | | |
| 22.776 | 105 | 55705 | | 0.29 | ppbv | # | 12 |
| 0 | | 0 | | N.D | . | d | |
| 23.985 | 105 | 2482 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 23.472 | 105 | 1147 | m | 0.02 | ppbv | | |
| 24.287 | 146 | 8095 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 24.332 | 57 | 7560707 | m | Below | Cal | | |
| 24.566 | 105 | 506 | m | Below | Cal | | |
| 24.912 | 105 | 10868 | | 0.07 | ppbv | # | 1 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97) | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | | . d | |
| 13.349 | 43 | 21931 | | 0.14 | ppbv | # | 86 |
| 0 | | 0 | | N.D | | . | |
| 14.189 | 43 | 965900 | | 7.49 | ppbv | # | 95 |
| 14.292 | 83 | 3248 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 15.581 | 91 | 43959 | | 0.23 | ppbv | | 97 |
| 15.855 | 57 | 10035 | | 0.11 | ppbv | # | 1 |
| 16.148 | 43 | 10852 | | Below | Cal | # | 76 |
| 16.226 | 129 | 1013 | m | 0.05 | ppbv | | |
| 16.148 | 43 | 10852 | | 0.1 | ppbv | # | 24 |
| 0 | | 0 | | N.D | | . | |
| 17.127 | 43 | 3587 | m | 0.04 | ppbv | | |
| 17.342 | 166 | 854 | m | 0.04 | ppbv | | |
| 18.432 | 131 | 209 | m | Below | Cal | | |
| 18.474 | 112 | 717 | m | Below | Cal | | |
| 19.16 | 91 | 2615 | m | 0.14 | ppbv | | |
| 19.455 | 91 | 4776 | m | 0.03 | ppbv | | |
| 19.533 | 91 | 8013 | m | 0.15 | ppbv | | |
| 19.563 | 173 | 1172 | m | 0.02 | ppbv | | |
| 20.204 | 104 | 492 | m | 0.13 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 20.227 | 83 | 805 | m | Below | Cal | | |
| 20.353 | 91 | 8520 | | 0.1 | ppbv | # | 100 |
| 20.831 | 57 | 7254 | | 0.08 | ppbv | # | 52 |
| 21.186 | 95 | 269679 | m | Below | Cal | | |
| 21.477 | 105 | 2798 | m | 0.06 | ppbv | | |
| 22.567 | 91 | 2023 | m | 0.18 | ppbv | | |
| 0 | | 0 | | N.D | | . d | |
| 22.775 | 105 | 31989 | | 0.17 | ppbv | # | 12 |
| 23.061 | 105 | 2140 | m | 0.05 | ppbv | | |
| 23.985 | 105 | 2732 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 23.472 | 105 | 1063 | m | 0.02 | ppbv | | |
| 24.276 | 146 | 29708 | | 0.18 | ppbv | # | 79 |
| 0 | | 0 | | N.D | | . d | |
| 24.331 | 57 | 8197303 | | Below | Cal | # | 53 |
| 0 | | 0 | | N.D | | . d | |
| 24.901 | 105 | 11927 | | 0.07 | ppbv | # | 1 |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . | |
| 0 | | 0 | | N.D | | . d | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.349 | 43 | 8414 | | 0.08 | ppbv | # | 40 |
| 0 | | 0 | | N.D | . | | |
| 14.197 | 43 | 488936 | | 3.92 | ppbv | # | 93 |
| 14.292 | 83 | 1696 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.336 | 43 | 1360 | m | 0.02 | ppbv | | |
| 15.581 | 91 | 208227 | | 0.84 | ppbv | | 99 |
| 15.865 | 57 | 9307 | | 0.1 | ppbv | # | 1 |
| 16.158 | 43 | 10689 | | Below | Cal | # | 76 |
| 16.217 | 129 | 991 | m | 0.05 | ppbv | | |
| 16.158 | 43 | 10689 | | 0.1 | ppbv | # | 24 |
| 0 | | 0 | | N.D | . | | |
| 17.127 | 43 | 2929 | m | 0.04 | ppbv | | |
| 17.342 | 166 | 594 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 18.474 | 112 | 405 | m | Below | Cal | | |
| 19.147 | 91 | 7161 | m | 0.15 | ppbv | | |
| 19.449 | 91 | 11254 | m | 0.05 | ppbv | | |
| 19.492 | 91 | 8625 | m | 0.15 | ppbv | | |
| 19.57 | 173 | 1116 | m | 0.02 | ppbv | | |
| 20.174 | 104 | 510 | m | 0.13 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 20.329 | 91 | 8215 | | 0.1 | ppbv | # | 100 |
| 20.852 | 57 | 5439 | | 0.07 | ppbv | # | 52 |
| 21.186 | 95 | 243972 | | Below | Cal | | 94 |
| 21.484 | 105 | 1687 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.787 | 105 | 7550 | | 0.06 | ppbv | # | 12 |
| 23.067 | 105 | 3399 | m | 0.06 | ppbv | | |
| 23.985 | 105 | 3015 | m | 0.01 | ppbv | | |
| 23.93 | 119 | 752 | m | Below | Cal | | |
| 22.889 | 105 | 2096 | m | 0.08 | ppbv | | |
| 23.461 | 105 | 1269 | m | 0.02 | ppbv | | |
| 24.298 | 146 | 3508 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 24.332 | 57 | 3310875 | m | Below | Cal | | |
| 24.544 | 105 | 1147 | m | Below | Cal | | |
| 24.901 | 105 | 7304 | | 0.05 | ppbv | # | 1 |
| 25.113 | 146 | 441 | m | Below | Cal | | |
| 24.912 | 119 | 68863 | | 0.29 | ppbv | | 99 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73] | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13.178 | 41 | 1476 | m | 0.32 | ppbv | | |
| 13.361 | 43 | 6982 | | 0.07 | ppbv | # | 40 |
| 0 | | 0 | | N.D | . | | |
| 14.205 | 43 | 450391 | | 3.71 | ppbv | # | 94 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.346 | 43 | 915 | m | 0.02 | ppbv | | |
| 15.581 | 91 | 574738 | | 2.23 | ppbv | | 100 |
| 15.874 | 57 | 3602 | m | 0.05 | ppbv | | |
| 15.874 | 43 | 11388 | | Below | Cal | # | 76 |
| 16.226 | 129 | 1126 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 17.136 | 43 | 2514 | m | 0.04 | ppbv | | |
| 17.352 | 166 | 358 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 18.462 | 112 | 333 | m | Below | Cal | | |
| 19.16 | 91 | 3037 | m | 0.14 | ppbv | | |
| 19.459 | 91 | 4194 | m | 0.03 | ppbv | | |
| 19.489 | 91 | 5264 | m | 0.14 | ppbv | | |
| 19.57 | 173 | 1034 | m | 0.02 | ppbv | | |
| 20.209 | 104 | 328 | m | 0.13 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 20.335 | 91 | 3839 | m | 0.09 | ppbv | | |
| 20.838 | 57 | 2742 | m | 0.05 | ppbv | | |
| 21.194 | 95 | 224867 | | Below | Cal | | 94 |
| 21.491 | 105 | 1012 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.781 | 105 | 2496 | m | 0.04 | ppbv | | |
| 23.073 | 105 | 1738 | m | 0.05 | ppbv | | |
| 23.996 | 105 | 1466 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.32 | 146 | 3311 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 718509 | | 4.62 | ppbv | # | 53 |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 3175 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 25.716 | 119 | 533 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

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|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 13.361 | 43 | 3800 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 14.221 | 43 | 224906 | | 1.98 | ppbv | # | 93 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.356 | 43 | 901 | m | 0.02 | ppbv | | |
| 15.59 | 91 | 54966 | | 0.28 | ppbv | | 98 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 16.236 | 129 | 949 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 17.352 | 166 | 281 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.163 | 91 | 1401 | m | 0.14 | ppbv | | |
| 19.476 | 91 | 1893 | m | 0.02 | ppbv | | |
| 19.516 | 91 | 1960 | m | 0.14 | ppbv | | |
| 19.576 | 173 | 853 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.347 | 91 | 1725 | m | 0.09 | ppbv | | |
| 20.838 | 57 | 1393 | m | 0.04 | ppbv | | |
| 21.194 | 95 | 179714 | m | Below | Cal | | |
| 21.491 | 105 | 774 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.781 | 105 | 1769 | m | 0.03 | ppbv | | |
| 23.073 | 105 | 1052 | m | 0.05 | ppbv | | |
| 24.008 | 105 | 1146 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 23.483 | 105 | 807 | m | 0.02 | ppbv | | |
| 24.343 | 146 | 654 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 24.343 | 57 | 111124 | | 0.76 | ppbv | # | 51 |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 1834 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | | |
| 13.361 | 43 | 3298 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 14.213 | 43 | 296603 | | 2.6 | ppbv | # | 93 |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.356 | 43 | 1535 | m | 0.03 | ppbv | | |
| 15.581 | 91 | 820883 | | 3.28 | ppbv | | 99 |
| 15.874 | 57 | 374 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 16.236 | 129 | 959 | m | 0.06 | ppbv | | |
| 16.168 | 43 | 552 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.136 | 43 | 1801 | m | 0.03 | ppbv | | |
| 17.352 | 166 | 232 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.16 | 91 | 2993 | m | 0.14 | ppbv | | |
| 19.466 | 91 | 3660 | m | 0.03 | ppbv | | |
| 19.509 | 91 | 3349 | m | 0.14 | ppbv | | |
| 19.573 | 173 | 859 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.347 | 91 | 2325 | m | 0.09 | ppbv | | |
| 20.831 | 57 | 786 | m | 0.03 | ppbv | | |
| 21.194 | 95 | 191283 | m | Below | Cal | | |
| 21.499 | 105 | 733 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 0 | | 0 | | N.D | . d | | |
| 22.793 | 105 | 1350 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . d | | |
| 24.008 | 105 | 730 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 23.483 | 105 | 602 | m | 0.02 | ppbv | | |
| 24.343 | 146 | 894 | m | Below | Cal | | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 12833 | | 0.1 | ppbv | # | 46 |
| 0 | | 0 | | N.D | . | | |
| 24.912 | 105 | 1060 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.923 | 119 | 8870 | | 0.07 | ppbv | # | 51 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76) | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81) | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88) | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92) | Ethylbenzene |
| 93) | m-Xylene |
| 94) | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99) | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102) | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115) | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | N.D | . | | |
| 13.386 | 43 | 406 | m | 0.04 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 16.246 | 129 | 611 | m | 0.05 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 19.59 | 173 | 636 | m | 0.02 | ppbv | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 21.201 | 57 | 5309 | | 0.09 | ppbv # | 52 |
| 21.201 | 95 | 120761 | Below | Cal | 93 | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |
| 0 | | 0 | N.D | . | | |

| | |
|---|---|
| 73] | Methyl Methacrylate |
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78] | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86] | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13.232 | 41 | 27332 | | 0.74 | ppbv | # | 88 |
| 13.342 | 43 | 131891 | | 0.95 | ppbv | | 96 |
| 14.163 | 75 | 19957 | | 0.71 | ppbv | | 99 |
| 14.226 | 43 | 51476 | m | 0.76 | ppbv | | |
| 14.297 | 83 | 35771 | | 0.81 | ppbv | # | 78 |
| 14.926 | 75 | 9834 | | 0.67 | ppbv | # | 57 |
| 15.166 | 97 | 25216 | | 0.9 | ppbv | | 89 |
| 15.346 | 43 | 103882 | | 0.9 | ppbv | # | 92 |
| 15.587 | 91 | 136805 | | 0.8 | ppbv | | 99 |
| 15.871 | 57 | 59408 | | 0.8 | ppbv | | 88 |
| 16.162 | 43 | 83496 | | 2.02 | ppbv | # | 76 |
| 16.221 | 129 | 60606 | | 0.88 | ppbv | | 100 |
| 16.162 | 43 | 83496 | | 0.94 | ppbv | | 87 |
| 16.604 | 107 | 27683 | | 0.78 | ppbv | | 99 |
| 17.129 | 43 | 76857 | | 0.77 | ppbv | | 97 |
| 17.337 | 166 | 44826 | | 0.88 | ppbv | | 96 |
| 18.432 | 131 | 59664 | | 1.16 | ppbv | | 98 |
| 18.465 | 112 | 56616 | | 0.92 | ppbv | | 99 |
| 19.137 | 91 | 180312 | | 0.8 | ppbv | | 96 |
| 19.453 | 91 | 149840 | m | 0.78 | ppbv | | |
| 19.47 | 91 | 230116 | m | 0.95 | ppbv | | |
| 19.547 | 173 | 57013 | | 1 | ppbv | | 100 |
| 20.127 | 104 | 62793 | | 0.68 | ppbv | | 91 |
| 20.038 | 55 | 16713 | m | 0.96 | ppbv | | |
| 20.294 | 83 | 68388 | | 1.04 | ppbv | | 99 |
| 20.312 | 91 | 207064 | | 0.88 | ppbv | # | 70 |
| 20.817 | 57 | 60218 | | 0.88 | ppbv | | 99 |
| 21.188 | 95 | 207267 | | 19.22 | ppbv | | 96 |
| 21.471 | 105 | 110350 | | 0.88 | ppbv | | 96 |
| 22.542 | 91 | 87953 | | 0.76 | ppbv | # | 100 |
| 22.542 | 91 | 87953 | | 0.69 | ppbv | | 96 |
| 22.783 | 105 | 80528 | | 0.66 | ppbv | # | 47 |
| 23.043 | 105 | 225387 | | 0.81 | ppbv | | 96 |
| 23.952 | 105 | 231604 | | 0.76 | ppbv | # | 97 |
| 23.93 | 119 | 133363 | | 0.82 | ppbv | | 93 |
| 22.867 | 105 | 198280 | | 0.76 | ppbv | | 96 |
| 23.438 | 105 | 88327 | | 0.74 | ppbv | | 93 |
| 24.253 | 146 | 53280 | | 0.64 | ppbv | | 98 |
| 24.41 | 146 | 62532 | | 0.66 | ppbv | | 99 |
| 24.309 | 57 | 88686 | | 0.79 | ppbv | | 95 |
| 24.544 | 105 | 163533 | | 0.78 | ppbv | | 97 |
| 24.856 | 105 | 87801 | | 0.66 | ppbv | | 93 |
| 25.08 | 146 | 66671 | | 0.74 | ppbv | | 99 |
| 25.258 | 119 | 128351 | | 0.79 | ppbv | | 97 |
| 25.493 | 119 | 66042 | | 0.78 | ppbv | | 98 |
| 25.66 | 119 | 77835 | | 0.81 | ppbv | | 91 |
| 25.683 | 91 | 224719 | | 0.9 | ppbv | | 99 |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82) | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87) | Octane |
| 88) | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113) | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | |
| 13.361 | 43 | 890 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 14.268 | 43 | 8148 | m | 0.27 | ppbv | |
| 14.284 | 83 | 260 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 15.375 | 43 | 596 | m | 0.02 | ppbv | |
| 15.62 | 91 | 904 | m | 0.07 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 16.226 | 129 | 849 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 18.444 | 131 | 343 | m | Below | Cal | |
| 18.467 | 112 | 358 | m | Below | Cal | |
| 19.17 | 91 | 980 | m | 0.13 | ppbv | |
| 19.536 | 91 | 1018 | m | 0.02 | ppbv | |
| 19.553 | 91 | 894 | m | 0.13 | ppbv | |
| 19.573 | 173 | 933 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.335 | 83 | 449 | m | Below | Cal | |
| 20.358 | 91 | 1023 | m | 0.09 | ppbv | |
| 20.83 | 57 | 314 | m | 0.03 | ppbv | |
| 21.194 | 95 | 180384 | | Below | Cal | 93 |
| 21.484 | 105 | 1054 | m | 0.05 | ppbv | |
| 22.603 | 91 | 710 | m | 0.18 | ppbv | |
| 22.603 | 91 | 681 | m | 0.1 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 23.091 | 105 | 1549 | m | 0.05 | ppbv | |
| 24.041 | 105 | 1099 | m | 0 | ppbv | |
| 23.963 | 119 | 659 | m | Below | Cal | |
| 0 | | 0 | | N.D | . | |
| 23.494 | 105 | 884 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 24.588 | 105 | 940 | m | Below | Cal | |
| 24.923 | 105 | 818 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 25.303 | 119 | 907 | m | 0.04 | ppbv | |
| 25.537 | 119 | 416 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 25.772 | 91 | 916 | m | 0.07 | ppbv | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80) | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . d | |
| 13.349 | 43 | 7042 | | 0.07 | ppbv # | 40 |
| 0 | | 0 | | N.D | . | |
| 14.213 | 43 | 168693 | | 1.63 | ppbv # | 91 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 15.581 | 91 | 91924 | | 0.45 | ppbv | 99 |
| 15.864 | 57 | 348 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 16.236 | 129 | 795 | m | 0.05 | ppbv | |
| 16.168 | 43 | 510 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 17.136 | 43 | 1489 | m | 0.03 | ppbv | |
| 17.332 | 166 | 282 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 19.17 | 91 | 1402 | m | 0.14 | ppbv | |
| 19.472 | 91 | 1995 | m | 0.02 | ppbv | |
| 19.506 | 91 | 1906 | m | 0.14 | ppbv | |
| 19.58 | 173 | 804 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.353 | 91 | 1452 | m | 0.09 | ppbv | |
| 20.823 | 57 | 576 | m | 0.03 | ppbv | |
| 21.194 | 95 | 174963 | | Below | Cal | 91 |
| 21.484 | 105 | 491 | m | 0.05 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 23.494 | 105 | 554 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 24.331 | 57 | 11510 | | 0.1 | ppbv # | 46 |
| 0 | | 0 | | N.D | . | |
| 24.901 | 105 | 744 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 24.923 | 119 | 5271 | | 0.06 | ppbv # | 51 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83) | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85) | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117) | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.349 | 43 | 7300 | | 0.07 | ppbv | # | 40 |
| 0 | | 0 | | N.D | . | | |
| 14.213 | 43 | 171650 | | 1.59 | ppbv | # | 92 |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.346 | 43 | 972 | m | 0.02 | ppbv | | |
| 15.581 | 91 | 92324 | | 0.44 | ppbv | | 99 |
| 15.864 | 57 | 404 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 16.227 | 129 | 828 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 17.137 | 43 | 1075 | m | 0.03 | ppbv | | |
| 17.342 | 166 | 343 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.17 | 91 | 1404 | m | 0.14 | ppbv | | |
| 19.469 | 91 | 2117 | m | 0.02 | ppbv | | |
| 19.513 | 91 | 2142 | m | 0.14 | ppbv | | |
| 19.566 | 173 | 772 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.347 | 91 | 1315 | m | 0.09 | ppbv | | |
| 20.823 | 57 | 386 | m | 0.03 | ppbv | | |
| 21.194 | 95 | 180696 | | Below | Cal | | 92 |
| 21.484 | 105 | 618 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 24.019 | 105 | 1002 | m | 0 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 2027 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 742 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103) | Chlorotoluenes |
| 104) | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.361 | 43 | 8408 | | 0.08 | ppbv | # | 40 |
| 0 | | 0 | | N.D | . | | |
| 14.213 | 43 | 311800 | | 2.79 | ppbv | # | 93 |
| 14.3 | 83 | 2912 | m | 0.06 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.356 | 43 | 2910 | m | 0.03 | ppbv | | |
| 15.581 | 91 | 1192263 | | 4.8 | ppbv | | 99 |
| 15.865 | 57 | 856 | m | 0.03 | ppbv | | |
| 16.158 | 43 | 1215 | m | Below | Cal | | |
| 16.227 | 129 | 930 | m | 0.06 | ppbv | | |
| 16.158 | 43 | 1266 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.137 | 43 | 2658 | m | 0.04 | ppbv | | |
| 17.352 | 166 | 474 | m | 0.04 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.167 | 91 | 3716 | m | 0.14 | ppbv | | |
| 19.459 | 91 | 5044 | | 0.03 | ppbv | # | 37 |
| 19.492 | 91 | 4265 | m | 0.14 | ppbv | | |
| 19.57 | 173 | 884 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.341 | 91 | 3323 | m | 0.09 | ppbv | | |
| 20.831 | 57 | 1008 | m | 0.03 | ppbv | | |
| 21.194 | 95 | 181300 | m | Below | Cal | | |
| 21.491 | 105 | 944 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 0 | | 0 | | N.D | . | d | |
| 22.793 | 105 | 2186 | m | 0.04 | ppbv | | |
| 23.097 | 105 | 945 | m | 0.05 | ppbv | | |
| 23.997 | 105 | 1667 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 23.472 | 105 | 666 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.332 | 57 | 6786 | | 0.06 | ppbv | # | 46 |
| 0 | | 0 | | N.D | . | | |
| 24.901 | 105 | 1809 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.912 | 119 | 17441 | | 0.11 | ppbv | # | 51 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105) | m-Ethyltoluene |
| 106) | 1,3,5-Trimethylbenzene |
| 107) | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109) | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114) | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119) | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | |
| 13.373 | 43 | 1555 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 14.229 | 43 | 75630 | | 0.82 | ppbv # | 90 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 15.365 | 43 | 914 | m | 0.02 | ppbv | |
| 15.59 | 91 | 277097 | | 1.2 | ppbv | 99 |
| 15.874 | 57 | 517 | m | 0.02 | ppbv | |
| 16.168 | 43 | 597 | m | Below | Cal | |
| 16.236 | 129 | 975 | m | 0.06 | ppbv | |
| 16.168 | 43 | 583 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 17.136 | 43 | 1709 | m | 0.03 | ppbv | |
| 17.352 | 166 | 355 | m | 0.03 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 19.163 | 91 | 1648 | m | 0.14 | ppbv | |
| 19.469 | 91 | 2288 | m | 0.02 | ppbv | |
| 19.502 | 91 | 3245 | m | 0.14 | ppbv | |
| 19.583 | 173 | 869 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 20.341 | 91 | 1770 | m | 0.09 | ppbv | |
| 20.823 | 57 | 713 | m | 0.03 | ppbv | |
| 21.194 | 95 | 177829 | m | Below | Cal | |
| 21.499 | 105 | 606 | m | 0.05 | ppbv | |
| 22.239 | 91 | 5018 | | 0.2 | ppbv # | 100 |
| 22.239 | 91 | 5018 | | 0.12 | ppbv # | 59 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 24.343 | 57 | 2924 | m | 0.04 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 24.901 | 105 | 912 | m | 0.02 | ppbv | |
| 0 | | 0 | | N.D | . | |
| 24.923 | 119 | 6896 | | 0.07 | ppbv # | 51 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . | |

| | |
|---|---|
| 73) | Methyl Methacrylate |
| 74] | Heptane |
| 75) | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77) | Methylcyclohexane |
| 78) | trans-1,3-Dichloropropene |
| 79) | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86) | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90) | 1,1,1,2-Tetrachloroethane |
| 91) | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96) | Styrene |
| 97) | Butyl Acrylate |
| 98) | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108) | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110) | o-Ethyltoluene |
| 111) | 1,3-Dichlorobenzene |
| 112) | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116) | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118) | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120) | n-Butyl Benzene |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . | d | |
| 13.361 | 43 | 3580 | m | 0.05 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 14.221 | 43 | 105196 | | 1.05 | ppbv | # | 93 |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 15.346 | 43 | 2474 | m | 0.03 | ppbv | | |
| 15.581 | 91 | 3967518 | | 14.64 | ppbv | | 99 |
| 15.874 | 57 | 1863 | m | 0.04 | ppbv | | |
| 16.158 | 43 | 1780 | m | Below | Cal | | |
| 16.226 | 129 | 1002 | m | 0.06 | ppbv | | |
| 16.158 | 43 | 1661 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 17.136 | 43 | 3752 | m | 0.05 | ppbv | | |
| 17.342 | 166 | 316 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 19.16 | 91 | 5814 | | 0.15 | ppbv | # | 49 |
| 19.455 | 91 | 10694 | m | 0.05 | ppbv | | |
| 19.492 | 91 | 8315 | m | 0.15 | ppbv | | |
| 19.57 | 173 | 981 | m | 0.02 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 20.329 | 91 | 7043 | | 0.1 | ppbv | # | 100 |
| 20.823 | 57 | 1363 | m | 0.03 | ppbv | | |
| 21.194 | 95 | 199114 | m | Below | Cal | | |
| 21.491 | 105 | 1044 | m | 0.05 | ppbv | | |
| 22.245 | 91 | 11824 | | 0.23 | ppbv | # | 100 |
| 22.245 | 91 | 11824 | | 0.15 | ppbv | # | 59 |
| 22.811 | 105 | 3729 | m | 0.04 | ppbv | | |
| 23.079 | 105 | 2010 | m | 0.05 | ppbv | | |
| 23.996 | 105 | 3756 | m | 0.01 | ppbv | | |
| 0 | | 0 | | N.D | . | d | |
| 22.912 | 105 | 2074 | m | 0.08 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 0 | | 0 | | N.D | . | | |
| 24.331 | 57 | 4220 | m | 0.04 | ppbv | | |
| 24.119 | 105 | 7874 | | Below | Cal | # | 1 |
| 24.901 | 105 | 2725 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |
| 24.923 | 119 | 16031 | | 0.1 | ppbv | # | 51 |
| 0 | | 0 | | N.D | . | | |
| 25.727 | 119 | 835 | m | 0.03 | ppbv | | |
| 0 | | 0 | | N.D | . | | |

121] Undecane
122] 1,2,4-Trichlorobenzene
123] Naphthalene
124] Dodecane
125] Hexachlorobutadiene

---

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

TOP_021319cal.M Wed May 22 13:56:38 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.676 | 57 | 132696 | 0.93 | ppbv | 97 |
| 27.941 | 180 | 124014 | 1.05 | ppbv | 99 |
| 28.08 | 128 | 199473 | 0.96 | ppbv | 100 |
| 28.255 | 57 | 79291 | 0.91 | ppbv | 95 |
| 28.614 | 225 | 232313 | 1.2 | ppbv | 99 |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:07:24 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.698 | 57 | 2144 | m | 0.03 | ppbv |
| 27.989 | 180 | 1351 | m | 0.1 | ppbv |
| 28.155 | 128 | 3374 | m | 0.25 | ppbv |
| 28.275 | 57 | 2108 | m | 0.04 | ppbv |
| 28.616 | 225 | 2891 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:12:44 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.71 | 57 | 974 | m | 0.03 | ppbv |
| 28.024 | 180 | 356 | m | 0.09 | ppbv |
| 28.209 | 128 | 1264 | m | 0.25 | ppbv |
| 28.273 | 57 | 1672 | m | 0.04 | ppbv |
| 28.614 | 225 | 2686 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:14:35 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.687 | 57 | 1147 | m | 0.03 | ppbv |
| 28.006 | 180 | 564 | m | 0.09 | ppbv |
| 28.172 | 128 | 1463 | m | 0.25 | ppbv |
| 28.264 | 57 | 1587 | m | 0.04 | ppbv |
| 28.614 | 225 | 2218 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:18:43 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.732 | 57 | 730 | m | 0.03 | ppbv |
| 28.015 | 180 | 756 | m | 0.09 | ppbv |
| 28.255 | 128 | 1480 | m | 0.25 | ppbv |
| 28.291 | 57 | 877 | m | 0.03 | ppbv |
| 28.623 | 225 | 2443 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121) | Undecane |
| 122) | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:20:15 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 28.227 | 128 | 774 | m | 0.25 | ppbv |
| 28.292 | 57 | 657 | m | 0.03 | ppbv |
| 28.623 | 225 | 2331 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:22:57 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.721 | 57 | 1141 | m | 0.03 | ppbv |
| 28.026 | 180 | 662 | m | 0.09 | ppbv |
| 28.22 | 128 | 1011 | m | 0.25 | ppbv |
| 28.293 | 57 | 1233 | m | 0.04 | ppbv |
| 28.616 | 225 | 2339 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121) | Undecane |
| 122) | 1,2,4-Trichlorobenzene |
| 123) | Naphthalene |
| 124) | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Wed May 22 14:12:25 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 28.616 | 225 | 1647 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Thu May 16 16:35:25 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.678 | 57 | 108943 | 0.8 | ppbv | 97 |
| 27.943 | 180 | 95990 | 0.86 | ppbv | 97 |
| 28.082 | 128 | 148436 | 0.79 | ppbv | 100 |
| 28.257 | 57 | 50684 | 0.61 | ppbv | 99 |
| 28.616 | 225 | 199528 | 1.06 | ppbv | 99 |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 13:57:30 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.71 | 57 | 1571 | m | 0.03 | ppbv | |
| 28.024 | 180 | 1192 | m | 0.1 | ppbv | |
| 28.209 | 128 | 1496 | m | 0.25 | ppbv | |
| 28.329 | 57 | 2798 | m | 0.05 | ppbv | |
| 28.614 | 225 | 5795 | | Below | Cal # | 19 |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121) | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:00:57 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . d |
| 28.017 | 180 | 809 | m | 0.09 | ppbv |
| 28.146 | 128 | 4488 | m | 0.26 | ppbv |
| 28.275 | 57 | 2992 | m | 0.05 | ppbv |
| 28.616 | 225 | 2518 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121) | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:02:51 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 28.015 | 180 | 519 | m | 0.09 | ppbv |
| 28.163 | 128 | 3906 | m | 0.25 | ppbv |
| 28.273 | 57 | 2867 | m | 0.05 | ppbv |
| 28.614 | 225 | 2062 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:06:57 2019

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26.687 | 57 | 3481 | m | 0.04 | ppbv | | |
| 27.989 | 180 | 631 | m | 0.09 | ppbv | | |
| 28.146 | 128 | 5359 | m | 0.26 | ppbv | | |
| 28.266 | 57 | 6658 | | 0.08 | ppbv | # | 44 |
| 28.616 | 225 | 2576 | m | Below | Cal | | |
| --- | --- | --- | - | --- | --- | | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:08:15 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.687 | 57 | 6426 | | 0.06 | ppbv # | 46 |
| 27.989 | 180 | 898 | m | 0.09 | ppbv | |
| 28.118 | 128 | 15780 | m | 0.29 | ppbv | |
| 28.266 | 57 | 9824 | | 0.11 | ppbv # | 44 |
| 28.616 | 225 | 3147 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:10:17 2019

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26.687 | 57 | 5634 | | 0.05 | ppbv | # | 46 |
| 27.997 | 180 | 551 | m | 0.09 | ppbv | | |
| 28.135 | 128 | 7066 | m | 0.26 | ppbv | | |
| 28.264 | 57 | 3774 | m | 0.06 | ppbv | | |
| 28.614 | 225 | 2250 | m | Below | Cal | | |
| --- | --- | --- | - | --- | --- | | |

| | |
|---|---|
| 121] | Undecane |
| 122) | 1,2,4-Trichlorobenzene |
| 123) | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:17:00 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.687 | 57 | 5119 | | 0.05 | ppbv # | 46 |
| 0 | | 0 | | N.D | . | |
| 0 | | 0 | | N.D | . d | |
| 28.273 | 57 | 4937 | m | 0.07 | ppbv | |
| 28.623 | 225 | 1719 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:19:15 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.676 | 57 | 14475 | | 0.1 | ppbv # | 58 |
| 27.989 | 180 | 777 | m | 0.09 | ppbv | |
| 28.118 | 128 | 11158 | m | 0.27 | ppbv | |
| 28.257 | 57 | 21326 | | 0.2 | ppbv # | 83 |
| 28.616 | 225 | 3332 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121) | Undecane |
| 122) | 1,2,4-Trichlorobenzene |
| 123) | Naphthalene |
| 124) | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:22:44 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 28.616 | 225 | 1173 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri Apr 26 10:01:11 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.676 | 57 | 90627 | 0.77 | ppbv | 97 |
| 27.941 | 180 | 73198 | 0.77 | ppbv | 95 |
| 28.089 | 128 | 122423 | 0.77 | ppbv | 100 |
| 28.264 | 57 | 39347 | 0.55 | ppbv | 99 |
| 28.614 | 225 | 175679 | 1.08 | ppbv | 99 |

| | |
|---|---|
| 121] | Undecane |
| 122) | 1,2,4-Trichlorobenzene |
| 123) | Naphthalene |
| 124) | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:31:58 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.754 | 57 | 764 | m | 0.03 | ppbv |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 28.623 | 225 | 1796 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:34:43 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.687 | 57 | 13460 | | 0.09 | ppbv # | 54 |
| 27.978 | 180 | 405 | m | 0.09 | ppbv | |
| 28.144 | 128 | 4857 | m | 0.26 | ppbv | |
| 28.264 | 57 | 31318 | | 0.29 | ppbv | 94 |
| 28.623 | 225 | 1976 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:38:17 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.687 | 57 | 12964 | | 0.09 | ppbv # | 59 |
| 27.997 | 180 | 324 | m | 0.09 | ppbv | |
| 28.144 | 128 | 4628 | m | 0.26 | ppbv | |
| 28.264 | 57 | 31675 | | 0.3 | ppbv | 95 |
| 28.614 | 225 | 1574 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:40:41 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.676 | 57 | 26844 | | 0.17 | ppbv # | 70 |
| 27.978 | 180 | 811 | m | 0.09 | ppbv | |
| 28.126 | 128 | 6357 | m | 0.26 | ppbv | |
| 28.255 | 57 | 38623 | | 0.36 | ppbv | 96 |
| 28.614 | 225 | 2721 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:42:11 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.687 | 57 | 11729 | | 0.09 | ppbv # | 72 |
| 27.969 | 180 | 2355 | m | 0.1 | ppbv | |
| 28.107 | 128 | 19069 | m | 0.3 | ppbv | |
| 28.264 | 57 | 23472 | | 0.24 | ppbv | 97 |
| 28.614 | 225 | 9587 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:43:44 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 26.687 | 57 | 3810 | m | 0.05 | ppbv | |
| 27.989 | 180 | 537 | m | 0.09 | ppbv | |
| 28.118 | 128 | 10868 | m | 0.28 | ppbv | |
| 28.257 | 57 | 34660 | | 0.37 | ppbv | 99 |
| 28.616 | 225 | 2292 | m | Below | Cal | |
| --- | --- | --- | - | --- | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:46:16 2019

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26.698 | 57 | 2326 | m | | 0.04 | ppbv | |
| 27.997 | 180 | 622 | m | | 0.09 | ppbv | |
| 28.162 | 128 | 4068 | m | | 0.26 | ppbv | |
| 28.264 | 57 | 6287 | | | 0.09 | ppbv # | 44 |
| 28.614 | 225 | 3967 | m | Below | | Cal | |
| --- | --- | --- | - | --- | | --- | |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:47:25 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.71 | 57 | 1930 | m | 0.04 | ppbv |
| 28.006 | 180 | 302 | m | 0.09 | ppbv |
| 28.181 | 128 | 2010 | m | 0.25 | ppbv |
| 28.273 | 57 | 2413 | m | 0.05 | ppbv |
| 28.614 | 225 | 2057 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121) | Undecane |
| 122) | 1,2,4-Trichlorobenzene |
| 123) | Naphthalene |
| 124) | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:52:02 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 0 | | 0 | | N.D | . |
| 28.623 | 225 | 1044 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Fri May 17 14:53:54 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.676 | 57 | 79847 | 0.73 | ppbv | 98 |
| 27.941 | 180 | 68266 | 0.77 | ppbv | 99 |
| 28.089 | 128 | 104968 | 0.73 | ppbv | 100 |
| 28.264 | 57 | 34603 | 0.53 | ppbv | 99 |
| 28.614 | 225 | 155267 | 1.03 | ppbv | 99 |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Mon May 20 10:29:56 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.721 | 57 | 987 | m | 0.03 | ppbv |
| 28.024 | 180 | 941 | m | 0.1 | ppbv |
| 28.236 | 128 | 1466 | m | 0.25 | ppbv |
| 28.291 | 57 | 800 | m | 0.03 | ppbv |
| 28.623 | 225 | 4405 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Mon May 20 10:34:56 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.698 | 57 | 1578 | m | 0.03 | ppbv |
| 28.006 | 180 | 476 | m | 0.09 | ppbv |
| 28.163 | 128 | 2331 | m | 0.25 | ppbv |
| 28.273 | 57 | 3011 | m | 0.06 | ppbv |
| 28.623 | 225 | 1795 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Mon May 20 11:03:22 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.71 | 57 | 1602 | m | 0.03 | ppbv |
| 28.07 | 180 | 406 | m | 0.09 | ppbv |
| 28.181 | 128 | 2035 | m | 0.25 | ppbv |
| 28.273 | 57 | 2467 | m | 0.05 | ppbv |
| 28.614 | 225 | 1613 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121) | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Mon May 20 11:05:05 2019

| | | | | | |
|---|---|---|---|---|---|
| 0 | | 0 | | N.D | . |
| 27.988 | 180 | 375 | m | 0.09 | ppbv |
| 28.144 | 128 | 2667 | m | 0.25 | ppbv |
| 28.273 | 57 | 2889 | m | 0.06 | ppbv |
| 28.623 | 225 | 1990 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Mon May 20 11:08:24 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.698 | 57 | 1331 | m | 0.03 | ppbv |
| 28.017 | 180 | 289 | m | 0.09 | ppbv |
| 28.174 | 128 | 2703 | m | 0.25 | ppbv |
| 28.275 | 57 | 2882 | m | 0.06 | ppbv |
| 28.616 | 225 | 1610 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

| | |
|---|---|
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |
| --- | --- |

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

TOP_021319cal.M Mon May 20 11:10:08 2019

| | | | | | |
|---|---|---|---|---|---|
| 26.71 | 57 | 1950 | m | 0.03 | ppbv |
| 28.017 | 180 | 294 | m | 0.09 | ppbv |
| 28.164 | 128 | 2423 | m | 0.25 | ppbv |
| 28.275 | 57 | 2711 | m | 0.05 | ppbv |
| 28.625 | 225 | 1993 | m | Below | Cal |
| --- | --- | --- | - | --- | --- |

Data File Name 030719004.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 10.01 | 20.00 | ppbv | 145242 | 49.1 |
| Propylene | 5.15 | 0.07 | ppbv | 59970 | 42.2 |
| Propane | 5.16 | 0.27 | ppbv | 44894 | 44.1 |
| Dichlorodifluoromethane | 5.38 | -1.00 | ppbv | 534 | 87 |
| Chloromethane | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| Isobutane | 5.94 | 0.04 | ppbv | 44397 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 6.22 | 0.08 | ppbv | 174934 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 6.36 | -1.00 | ppbv | 2109 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 6.90 | 0.85 | ppbv | 108465 | 45.1 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 | 108 |
| Acetonitrile | 0.00 | 0.00 | ppbv | 0 | 40.1 |
| Acrolein | 7.23 | -1.00 | ppbv | 2430 | 55.1 |
| Acetone | 7.33 | 0.22 | ppbv | 170817 | 58.1 |
| iso-Pentane | 7.33 | 0.00 | ppbv | 4096 | 57.1 |
| Trichlorofluoromethane | 7.50 | -1.00 | ppbv | 349 | 103 |
| Isopropyl Alcohol | 7.54 | -1.00 | ppbv | 5678 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 8.03 | -1.00 | ppbv | 6170 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 8.11 | -1.00 | ppbv | 1869 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| Carbon Disulfide | 8.41 | -0.61 | ppbv | 2297 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 9.15 | 0.02 | ppbv | 1625 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Vinyl Acetate | 9.15 | 0.04 | ppbv | 45106 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

Data File Name

| Name | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 10.00 | 20.00 |
| Propylene | 5.14 | -1.00 |
| Propane | 5.19 | -1.00 |
| Dichlorodifluoromethane | 5.41 | -1.00 |
| Chloromethane | 0.00 | 0.00 |
| Isobutane | 5.93 | 0.02 |
| Dichlorotetrafluoroethane | 5.97 | -1.00 |
| Vinyl Chloride | 6.08 | -1.00 |
| 1-Butene | 6.20 | 0.02 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 6.33 | 0.02 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 6.61 | -1.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 0.00 | 0.00 |
| Ethanol | 6.88 | 0.42 |
| Vinyl Bromide | 7.14 | -1.00 |
| Acetonitrile | 7.11 | -1.00 |
| Acrolein | 7.22 | -1.00 |
| Acetone | 7.32 | 0.38 |
| iso-Pentane | 7.34 | 0.04 |
| Trichlorofluoromethane | 7.49 | -1.00 |
| Isopropyl Alcohol | 7.53 | -1.00 |
| 1-Pentene | 7.57 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 7.75 | 0.01 |
| Isoprene | 7.85 | 0.01 |
| trans-2-pentene | 7.87 | 0.01 |
| cis-2-pentene | 8.02 | 0.01 |
| Tert-Butanol | 8.02 | -1.00 |
| 1,1-Dichloroethene | 8.00 | -1.00 |
| Methylene Chloride | 8.09 | -1.00 |
| 3-Chloro-1-Propene | 8.19 | -1.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8.29 | -1.00 |
| Carbon Disulfide | 8.39 | -0.60 |
| 2,2-Dimethylbutane | 8.45 | -0.01 |
| trans-1,2-Dichloroethene | 8.87 | -1.00 |
| Cyclopentane | 9.15 | 0.03 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 9.06 | -1.00 |
| Methyl-t-Butyl-Ether | 9.10 | -1.00 |
| Vinyl Acetate | 9.14 | 0.04 |
| 2-Methylpentane | 9.18 | 0.00 |

030719007.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 134062 | 49.1 |
| ppbv | 41503 | 42.2 |
| ppbv | 28976 | 44.1 |
| ppbv | 1394 | 87 |
| ppbv | 0 | 52.1 |
| ppbv | 37888 | 42.2 |
| ppbv | 1378 | 135 |
| ppbv | 1026 | 64.1 |
| ppbv | 149402 | 56.1 |
| ppbv | 0 | 39.1 |
| ppbv | 9570 | 58.1 |
| ppbv | 0 | 56.1 |
| ppbv | 716 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 66.1 |
| ppbv | 55910 | 45.1 |
| ppbv | 655 | 108 |
| ppbv | 9007 | 40.1 |
| ppbv | 1799 | 55.1 |
| ppbv | 206606 | 58.1 |
| ppbv | 9390 | 57.1 |
| ppbv | 2572 | 103 |
| ppbv | 5684 | 41.1 |
| ppbv | 1471 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 3812 | 57.1 |
| ppbv | 1050 | 53.1 |
| ppbv | 1939 | 70.1 |
| ppbv | 2023 | 70.1 |
| ppbv | 7222 | 41.1 |
| ppbv | 1308 | 96 |
| ppbv | 1064 | 49.1 |
| ppbv | 1052 | 76.1 |
| ppbv | 1617 | 85 |
| ppbv | 3478 | 44.1 |
| ppbv | 1425 | 57.1 |
| ppbv | 1051 | 96 |
| ppbv | 2464 | 0 |
| ppbv | 0 | 43.1 |
| ppbv | 1583 | 65.1 |
| ppbv | 1425 | 57.1 |
| ppbv | 39893 | 86.1 |
| ppbv | 396 | 42.1 |

Data File Name 110618010.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.85 | 20.00 | ppbv | 301926 | 49.1 |
| Propylene | 5.18 | -1.00 | ppbv | 12496 | 42.2 |
| Propane | 5.21 | -1.00 | ppbv | 9280 | 44.1 |
| Dichlorodifluoromethane | 5.30 | -1.00 | ppbv | 577 | 87 |
| Chloromethane | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.94 | -1.00 | ppbv | 97707 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 6.57 | -1.00 | ppbv | 6615 | 45.1 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 | 108 |
| Acetonitrile | 0.00 | 0.00 | ppbv | 0 | 40.1 |
| Acrolein | 6.96 | -1.00 | ppbv | 1566 | 55.1 |
| Acetone | 7.08 | -1.00 | ppbv | 93696 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 7.24 | -1.00 | ppbv | 447 | 103 |
| Isopropyl Alcohol | 7.30 | -1.00 | ppbv | 1519 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 7.81 | -1.00 | ppbv | 4588 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.90 | -1.00 | ppbv | 6410 | 49.1 |
| 3-Chloro-1-Propene | 7.81 | -1.00 | ppbv | 1768 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| Carbon Disulfide | 8.20 | -0.61 | ppbv | 2717 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Vinyl Acetate | 9.01 | -1.00 | ppbv | 11805 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

Data File Name

| Name | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.86 | 20.00 |
| Propylene | 5.17 | -1.00 |
| Propane | 5.20 | -1.00 |
| Dichlorodifluoromethane | 5.30 | -1.00 |
| Chloromethane | 5.55 | -1.00 |
| Isobutane | 0.00 | 0.00 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 |
| Vinyl Chloride | 0.00 | 0.00 |
| 1-Butene | 5.94 | -1.00 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 0.00 | 0.00 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 0.00 | 0.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 0.00 | 0.00 |
| Ethanol | 6.59 | -1.00 |
| Vinyl Bromide | 0.00 | 0.00 |
| Acetonitrile | 0.00 | 0.00 |
| Acrolein | 6.96 | -1.00 |
| Acetone | 7.09 | -1.00 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 7.25 | -1.00 |
| Isopropyl Alcohol | 7.30 | -1.00 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 0.00 | 0.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 7.83 | -1.00 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.90 | -1.00 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8.12 | -1.00 |
| Carbon Disulfide | 8.20 | -0.62 |
| 2,2-Dimethylbutane | 0.00 | 0.00 |
| trans-1,2-Dichloroethene | 8.69 | -1.00 |
| Cyclopentane | 0.00 | 0.00 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 |
| Vinyl Acetate | 9.01 | -1.00 |
| 2-Methylpentane | 0.00 | 0.00 |

110618008.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 323482 | 49.1 |
| ppbv | 13772 | 42.2 |
| ppbv | 12292 | 44.1 |
| ppbv | 660 | 87 |
| ppbv | 1326 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 99435 | 56.1 |
| ppbv | 0 | 39.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 66.1 |
| ppbv | 7662 | 45.1 |
| ppbv | 0 | 108 |
| ppbv | 0 | 40.1 |
| ppbv | 1726 | 55.1 |
| ppbv | 94748 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 487 | 103 |
| ppbv | 2772 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 4244 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 6471 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 168 | 85 |
| ppbv | 2493 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 150 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 16549 | 86.1 |
| ppbv | 0 | 42.1 |

Data File Name 111318001.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.86 | 20.00 | ppbv | 1180274 | 49.1 |
| Propylene | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Propane | 0.00 | 0.00 | ppbv | 0 | 44.1 |
| Dichlorodifluoromethane | 0.00 | 0.00 | ppbv | 0 | 87 |
| Chloromethane | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.95 | -1.00 | ppbv | 296696 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 0.00 | 0.00 | ppbv | 0 | 45.1 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 | 108 |
| Acetonitrile | 0.00 | 0.00 | ppbv | 0 | 40.1 |
| Acrolein | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acetone | 7.09 | -1.00 | ppbv | 279810 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 0.00 | 0.00 | ppbv | 0 | 103 |
| Isopropyl Alcohol | 7.30 | -1.00 | ppbv | 34915 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 7.82 | -1.00 | ppbv | 12590 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.89 | -1.00 | ppbv | 32228 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| Carbon Disulfide | 8.19 | -0.59 | ppbv | 41391 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Vinyl Acetate | 0.00 | 0.00 | ppbv | 0 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

Data File Name

| Name | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.85 | 20.00 |
| Propylene | 5.18 | 0.07 |
| Propane | 5.20 | 0.29 |
| Dichlorodifluoromethane | 5.28 | -1.00 |
| Chloromethane | 5.56 | -1.00 |
| Isobutane | 0.00 | 0.00 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 |
| Vinyl Chloride | 0.00 | 0.00 |
| 1-Butene | 5.94 | 0.46 |
| 1,3-Butadiene | 5.94 | 0.01 |
| Butane | 0.00 | 0.00 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 0.00 | 0.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 6.48 | -1.00 |
| Ethanol | 6.59 | 0.05 |
| Vinyl Bromide | 6.94 | -1.00 |
| Acetonitrile | 0.00 | 0.00 |
| Acrolein | 6.96 | 0.26 |
| Acetone | 7.08 | 0.86 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 7.25 | -1.00 |
| Isopropyl Alcohol | 7.30 | 0.27 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 0.00 | 0.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 0.00 | 0.00 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.89 | 0.09 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8.12 | -1.00 |
| Carbon Disulfide | 8.19 | -0.10 |
| 2,2-Dimethylbutane | 0.00 | 0.00 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 |
| Cyclopentane | 0.00 | 0.00 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 8.83 | -1.00 |
| Methyl-t-Butyl-Ether | 8.82 | 0.08 |
| Vinyl Acetate | 8.99 | -1.00 |
| 2-Methylpentane | 0.00 | 0.00 |

111318012.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 1448952 | 49.1 |
| ppbv | 70370 | 42.2 |
| ppbv | 54342 | 44.1 |
| ppbv | 2407 | 87 |
| ppbv | 5462 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 344866 | 56.1 |
| ppbv | 11713 | 39.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 756 | 66.1 |
| ppbv | 40426 | 45.1 |
| ppbv | 3798 | 108 |
| ppbv | 0 | 40.1 |
| ppbv | 31809 | 55.1 |
| ppbv | 1120168 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 1999 | 103 |
| ppbv | 53386 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 32637 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 512 | 85 |
| ppbv | 44660 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |
| ppbv | 1040 | 65.1 |
| ppbv | 5224 | 57.1 |
| ppbv | 116978 | 86.1 |
| ppbv | 0 | 42.1 |

Data File Name 110818012.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.84 | 20.00 | ppbv | 1872732 | 49.1 |
| Propylene | 5.17 | 0.08 | ppbv | 109217 | 42.2 |
| Propane | 5.18 | 0.33 | ppbv | 79208 | 44.1 |
| Dichlorodifluoromethane | 5.27 | -1.00 | ppbv | 2198 | 87 |
| Chloromethane | 5.53 | -1.00 | ppbv | 10871 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.93 | 0.46 | ppbv | 449507 | 56.1 |
| 1,3-Butadiene | 5.93 | 0.01 | ppbv | 14894 | 39.1 |
| Butane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 6.57 | -1.00 | ppbv | 25448 | 45.1 |
| Vinyl Bromide | 6.94 | 0.01 | ppbv | 15781 | 108 |
| Acetonitrile | 6.83 | -1.00 | ppbv | 11636 | 40.1 |
| Acrolein | 6.95 | 0.25 | ppbv | 38618 | 55.1 |
| Acetone | 7.07 | 0.57 | ppbv | 1039708 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 7.24 | -1.00 | ppbv | 1327 | 103 |
| Isopropyl Alcohol | 7.29 | 0.12 | ppbv | 41328 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 7.81 | 0.04 | ppbv | 26464 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.89 | 0.10 | ppbv | 43547 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| Carbon Disulfide | 8.19 | -0.13 | ppbv | 22922 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Vinyl Acetate | 8.99 | -1.00 | ppbv | 91127 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

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|---|---|---|---|---|---|
| 2-Butanone | 9.42 | 0.12 | ppbv | 10720 | 72.1 |
| 3-Methylpentane | 9.57 | 0.00 | ppbv | 287 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 10.02 | -1.00 | ppbv | 183 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 11.70 | -1.00 | ppbv | 839 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 12.10 | 20.00 | ppbv | 621227 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 0.00 | 0.00 | ppbv | 0 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.39 | 20.00 | ppbv | 298763 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

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|---|---|---|
| 2-Butanone | 9.41 | 0.17 |
| 3-Methylpentane | 9.56 | 0.02 |
| 2-Chloroprene | 9.57 | 0.00 |
| 1-Hexene | 9.70 | 0.01 |
| cis-1,2-Dichloroethene | 9.84 | 0.01 |
| Diisopropyl ether | 10.00 | 0.02 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 10.01 | -1.00 |
| Chloroform | 10.11 | -0.42 |
| Tetrahydrofuran | 10.55 | 0.03 |
| Ethyl Tert-Butyl Ether | 10.54 | 0.05 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 10.90 | -1.00 |
| 2,4-Dimethylpentane | 10.91 | 0.02 |
| 1,1,1-Trichloroethane | 11.17 | -1.00 |
| Benzene | 11.69 | -1.00 |
| Carbon Tetrachloride | 11.87 | -0.46 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 12.09 | 20.00 |
| 2-Methylhexane | 0.00 | 0.00 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 |
| 3-methylhexane | 12.48 | 0.02 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 12.93 | -1.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 13.00 | 0.01 |
| Isooctane | 13.02 | 0.07 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 13.35 | 0.04 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 |
| Methylcyclohexane | 14.30 | 0.02 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 15.18 | 0.03 |
| 2,3,4-Trimethylpentane | 15.35 | 0.02 |
| Toluene | 15.61 | 0.07 |
| 2-Methylheptane | 15.86 | 0.02 |
| 2-Hexanone | 16.16 | -1.00 |
| Dibromochloromethane | 16.23 | 0.05 |
| 3-Methylheptane | 16.16 | 0.02 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 17.15 | 0.02 |
| Tetrachloroethene | 17.35 | 0.03 |
| Chlorobenzene-d5 | 18.39 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 18.43 | -1.00 |

| | | |
|---|---|---|
| ppbv | 17472 | 72.1 |
| ppbv | 1587 | 56.1 |
| ppbv | 913 | 88.1 |
| ppbv | 371 | 41.1 |
| ppbv | 453 | 96 |
| ppbv | 2208 | 87.1 |
| ppbv | 0 | 61.1 |
| ppbv | 1252 | 43.1 |
| ppbv | 1120 | 85 |
| ppbv | 518 | 72.1 |
| ppbv | 738 | 87.1 |
| ppbv | 0 | 84.1 |
| ppbv | 1036 | 64.1 |
| ppbv | 1056 | 57.1 |
| ppbv | 1265 | 99 |
| ppbv | 1953 | 77.1 |
| ppbv | 1364 | 119 |
| ppbv | 0 | 69.1 |
| ppbv | 603208 | 88.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 87.1 |
| ppbv | 1484 | 71.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 73.1 |
| ppbv | 984 | 85 |
| ppbv | 0 | 58.1 |
| ppbv | 385 | 131.9 |
| ppbv | 3286 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 1221 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 58.1 |
| ppbv | 509 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 245 | 99 |
| ppbv | 1387 | 71 |
| ppbv | 1842 | 92.1 |
| ppbv | 515 | 43.1 |
| ppbv | 756 | 58.1 |
| ppbv | 450 | 126.9 |
| ppbv | 876 | 57.1 |
| ppbv | 0 | 109 |
| ppbv | 776 | 85.1 |
| ppbv | 414 | 163.9 |
| ppbv | 320317 | 117.1 |
| ppbv | 723 | 133 |

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|---|---|---|---|---|---|
| 2-Butanone | 9.30 | 0.07 | ppbv | 5967 | 72.1 |
| 3-Methylpentane | 9.40 | 0.01 | ppbv | 830 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 11.60 | -1.00 | ppbv | 1009 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 892984 | 88.1 |
| 2-Methylhexane | 11.98 | 0.01 | ppbv | 589 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 12.93 | 0.01 | ppbv | 595 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv | 240491 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

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|---|---|---|
| 2-Butanone | 9.30 | 0.07 |
| 3-Methylpentane | 0.00 | 0.00 |
| 2-Chloroprene | 0.00 | 0.00 |
| 1-Hexene | 0.00 | 0.00 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 |
| Diisopropyl ether | 0.00 | 0.00 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 0.00 | 0.00 |
| Chloroform | 9.86 | -0.43 |
| Tetrahydrofuran | 0.00 | 0.00 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 0.00 | 0.00 |
| 2,4-Dimethylpentane | 0.00 | 0.00 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 |
| Benzene | 11.60 | -1.00 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 12.00 | 20.00 |
| 2-Methylhexane | 12.00 | 0.01 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 |
| 3-methylhexane | 0.00 | 0.00 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 0.00 | 0.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 12.94 | 0.01 |
| Isooctane | 0.00 | 0.00 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 0.00 | 0.00 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 |
| Methylcyclohexane | 0.00 | 0.00 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 |
| Toluene | 0.00 | 0.00 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 0.00 | 0.00 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| Chlorobenzene-d5 | 18.36 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 7550 | 72.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 88.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 61.1 |
| ppbv | 0 | 43.1 |
| ppbv | 237 | 85 |
| ppbv | 0 | 72.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 84.1 |
| ppbv | 0 | 64.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 99 |
| ppbv | 842 | 77.1 |
| ppbv | 0 | 119 |
| ppbv | 0 | 69.1 |
| ppbv | 951794 | 88.1 |
| ppbv | 956 | 85 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 73.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 58.1 |
| ppbv | 635 | 131.9 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 71 |
| ppbv | 0 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| ppbv | 261395 | 117.1 |
| ppbv | 0 | 133 |

| | | | | | |
|---|---|---|---|---|---|
| 2-Butanone | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 4323830 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 0.00 | 0.00 | ppbv | 0 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 994660 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

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|---|---|---|
| 2-Butanone | 9.27 | 0.26 |
| 3-Methylpentane | 0.00 | 0.00 |
| 2-Chloroprene | 9.38 | 0.08 |
| 1-Hexene | 0.00 | 0.00 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 |
| Diisopropyl ether | 0.00 | 0.00 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 0.00 | 0.00 |
| Chloroform | 0.00 | 0.00 |
| Tetrahydrofuran | 10.47 | 0.08 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 0.00 | 0.00 |
| 2,4-Dimethylpentane | 0.00 | 0.00 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 |
| Benzene | 11.58 | 0.05 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 11.98 | 20.00 |
| 2-Methylhexane | 0.00 | 0.00 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 |
| 3-methylhexane | 0.00 | 0.00 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 0.00 | 0.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 12.91 | 0.04 |
| Isooctane | 13.00 | 0.04 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 0.00 | 0.00 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 14.27 | 0.17 |
| Methylcyclohexane | 0.00 | 0.00 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 |
| Toluene | 15.58 | 0.11 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 0.00 | 0.00 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 98505 | 72.1 |
| ppbv | 0 | 56.1 |
| ppbv | 1805 | 88.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 61.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 85 |
| ppbv | 2601 | 72.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 84.1 |
| ppbv | 0 | 64.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 99 |
| ppbv | 4607 | 77.1 |
| ppbv | 0 | 119 |
| ppbv | 0 | 69.1 |
| ppbv | 4860468 | 88.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 73.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 58.1 |
| ppbv | 2096 | 131.9 |
| ppbv | 1152 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 68336 | 58.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 71 |
| ppbv | 1453 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| ppbv | 1281611 | 117.1 |
| ppbv | 0 | 133 |

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|---|---|---|---|---|---|
| 2-Butanone | 9.29 | 0.16 | ppbv | 41473 | 72.1 |
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 9.85 | -0.24 | ppbv | 1098 | 85 |
| Tetrahydrofuran | 10.45 | 0.08 | ppbv | 6929 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 11.06 | 0.03 | ppbv | 17512 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 11.59 | 0.05 | ppbv | 5008 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 11.98 | 20.00 | ppbv | 7296445 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 12.92 | 0.04 | ppbv | 2946 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 14.24 | 0.16 | ppbv | 97626 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 15.59 | 0.11 | ppbv | 1474 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 1928263 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

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|---|---|---|---|---|---|
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.19 | -20.59 | ppbv | 225920 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 23.94 | -1.00 | ppbv | 473 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 24.37 | 0.02 | ppbv | 679 | 71.1 |
| Sec-Butyl Benzene | 24.57 | -1.00 | ppbv | 630 | 134.2 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 25.30 | 0.04 | ppbv | 673 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| n-Butyl Benzene | 25.75 | 0.07 | ppbv | 1266 | 92.1 |
| Undecane | 26.70 | 0.04 | ppbv | 2514 | 71.1 |
| 1,2,4-Trichlorobenzene | 28.00 | 0.10 | ppbv | 2645 | 182 |
| Naphthalene | 28.18 | 0.25 | ppbv | 3672 | 0 |
| Dodecane | 28.27 | 0.05 | ppbv | 3001 | 71 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 10449 | 226.9 |

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|---|---|---|
| Chlorobenzene | 18.47 | -0.19 |
| Ethylbenzene | 19.18 | 0.13 |
| m-Xylene | 19.48 | 0.02 |
| p-Xylene | 19.52 | 0.13 |
| Bromoform | 19.56 | 0.01 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 20.34 | -1.00 |
| o-Xylene | 20.35 | 0.09 |
| Nonane | 20.82 | 0.02 |
| Bromofluorobenzene | 21.19 | -27.40 |
| Cumene | 21.49 | 0.05 |
| Chlorotoluenes | 22.60 | 0.17 |
| n-Propylbenzene | 22.60 | 0.10 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 |
| Tert-Butyl Benzene | 23.94 | -1.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 23.48 | 0.02 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 24.38 | 0.02 |
| Sec-Butyl Benzene | 24.58 | -1.00 |
| 1,2,3-Trimethylbenzene | 24.93 | 0.02 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 25.30 | 0.04 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 0.00 | 0.00 |
| Undecane | 26.71 | 0.03 |
| 1,2,4-Trichlorobenzene | 28.03 | 0.09 |
| Naphthalene | 28.25 | 0.25 |
| Dodecane | 28.35 | 0.04 |
| Hexachlorobutadiene | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 561 | 114 |
| ppbv | 1511 | 106.1 |
| ppbv | 1150 | 106.1 |
| ppbv | 1498 | 106.1 |
| ppbv | 380 | 174.9 |
| ppbv | 0 | 78.1 |
| ppbv | 0 | 56.1 |
| ppbv | 637 | 85 |
| ppbv | 1308 | 106.1 |
| ppbv | 346 | 85.1 |
| ppbv | 222345 | 174 |
| ppbv | 733 | 120.1 |
| ppbv | 521 | 126.1 |
| ppbv | 486 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 571 | 91.1 |
| ppbv | 0 | 120.1 |
| ppbv | 554 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 148 |
| ppbv | 766 | 71.1 |
| ppbv | 839 | 134.2 |
| ppbv | 543 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 552 | 134.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 92.1 |
| ppbv | 1163 | 71.1 |
| ppbv | 602 | 182 |
| ppbv | 948 | 0 |
| ppbv | 1735 | 71 |
| ppbv | 0 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.18 | -51.73 | ppbv | 113646 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 24.06 | 0.01 | ppbv | 2199 | 120.1 |
| Tert-Butyl Benzene | 24.12 | -1.00 | ppbv | 862 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 23.48 | 0.02 | ppbv | 580 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 24.34 | 0.03 | ppbv | 2241 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 24.91 | 0.03 | ppbv | 1355 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 0.00 | 0.00 | ppbv | 0 | 134.1 |
| 1,3-Diethylbenzene | 25.74 | 0.03 | ppbv | 1081 | 105.1 |
| 1,2-Diethylbenzene | 25.74 | 0.03 | ppbv | 1191 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 26.69 | 0.08 | ppbv | 8350 | 71.1 |
| 1,2,4-Trichlorobenzene | 28.03 | 0.09 | ppbv | 372 | 182 |
| Naphthalene | 28.17 | 0.26 | ppbv | 4685 | 0 |
| Dodecane | 28.26 | 0.14 | ppbv | 10296 | 71 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 424 | 226.9 |

| | | |
|---|---|---|
| Chlorobenzene | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 |
| m-Xylene | 0.00 | 0.00 |
| p-Xylene | 0.00 | 0.00 |
| Bromoform | 0.00 | 0.00 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 |
| o-Xylene | 0.00 | 0.00 |
| Nonane | 0.00 | 0.00 |
| Bromofluorobenzene | 21.19 | -56.21 |
| Cumene | 0.00 | 0.00 |
| Chlorotoluenes | 0.00 | 0.00 |
| n-Propylbenzene | 0.00 | 0.00 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 |
| Tert-Butyl Benzene | 0.00 | 0.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 0.00 | 0.00 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 0.00 | 0.00 |
| Sec-Butyl Benzene | 0.00 | 0.00 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 0.00 | 0.00 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 0.00 | 0.00 |
| Undecane | 0.00 | 0.00 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 |
| Naphthalene | 28.21 | 0.25 |
| Dodecane | 28.31 | 0.05 |
| Hexachlorobutadiene | 28.62 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | 114 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 174.9 |
| ppbv | 0 | 78.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 85.1 |
| ppbv | 112864 | 174 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 126.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 91.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 148 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 134.2 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 134.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 92.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 182 |
| ppbv | 1752 | 0 |
| ppbv | 2651 | 71 |
| ppbv | 557 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.18 | -34.04 | ppbv | 630311 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 24.29 | 0.04 | ppbv | 10038 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 0.00 | 0.00 | ppbv | 0 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Hexachlorobutadiene | 28.63 | -1.00 | ppbv | 8564 | 226.9 |

| | | |
|---|---|---|
| Chlorobenzene | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 |
| m-Xylene | 0.00 | 0.00 |
| p-Xylene | 0.00 | 0.00 |
| Bromoform | 0.00 | 0.00 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 |
| o-Xylene | 0.00 | 0.00 |
| Nonane | 0.00 | 0.00 |
| Bromofluorobenzene | 21.18 | -16.42 |
| Cumene | 21.18 | 0.05 |
| Chlorotoluenes | 0.00 | 0.00 |
| n-Propylbenzene | 0.00 | 0.00 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 |
| Tert-Butyl Benzene | 0.00 | 0.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 0.00 | 0.00 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 0.00 | 0.00 |
| Sec-Butyl Benzene | 0.00 | 0.00 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 25.31 | 0.07 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 0.00 | 0.00 |
| Undecane | 26.73 | 0.01 |
| 1,2,4-Trichlorobenzene | 28.04 | 0.08 |
| Naphthalene | 0.00 | 0.00 |
| Dodecane | 28.33 | 0.02 |
| Hexachlorobutadiene | 28.62 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | 114 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 174.9 |
| ppbv | 0 | 78.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 85.1 |
| ppbv | 664193 | 174 |
| ppbv | 1403 | 120.1 |
| ppbv | 0 | 126.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 91.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 148 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 134.2 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 1581 | 134.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 92.1 |
| ppbv | 1218 | 71.1 |
| ppbv | 1319 | 182 |
| ppbv | 0 | 0 |
| ppbv | 5826 | 71 |
| ppbv | 1053 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Chlorobenzene | 18.18 | -0.33 | ppbv | 1215 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 19.56 | -1.00 | ppbv | 530 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 20.19 | -1.00 | ppbv | 1265 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.18 | -9.59 | ppbv | 1191508 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 24.35 | 0.02 | ppbv | 2537 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 24.91 | 0.02 | ppbv | 3565 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 25.31 | 0.07 | ppbv | 1692 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 25.75 | 0.02 | ppbv | 1934 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 26.71 | 0.02 | ppbv | 11936 | 71.1 |
| 1,2,4-Trichlorobenzene | 28.06 | 0.08 | ppbv | 2308 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 28.31 | 0.10 | ppbv | 95456 | 71 |
| Hexachlorobutadiene | 28.61 | -1.00 | ppbv | 1911 | 226.9 |

Data File Name 111318008.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.86 | 20.00 | ppbv | 1532702 | 49.1 |
| Propylene | 5.17 | 0.07 | ppbv | 76548 | 42.2 |
| Propane | 5.20 | 0.30 | ppbv | 58363 | 44.1 |
| Dichlorodifluoromethane | 5.30 | -1.00 | ppbv | 2678 | 87 |
| Chloromethane | 5.56 | -1.00 | ppbv | 5877 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.94 | 0.48 | ppbv | 382931 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 6.60 | 0.04 | ppbv | 41426 | 45.1 |
| Vinyl Bromide | 6.88 | -1.00 | ppbv | 3226 | 108 |
| Acetonitrile | 6.85 | 0.01 | ppbv | 16736 | 40.1 |
| Acrolein | 6.97 | 0.10 | ppbv | 15074 | 55.1 |
| Acetone | 7.09 | 0.36 | ppbv | 607559 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 7.26 | -1.00 | ppbv | 1731 | 103 |
| Isopropyl Alcohol | 7.31 | 0.11 | ppbv | 32917 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 7.56 | -1.00 | ppbv | 2199 | 57.1 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 7.82 | 0.01 | ppbv | 1345 | 70.1 |
| Tert-Butanol | 7.83 | 0.05 | ppbv | 27379 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.91 | 0.10 | ppbv | 36422 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| Carbon Disulfide | 8.21 | -0.14 | ppbv | 14611 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 8.83 | 0.08 | ppbv | 1268 | 57.1 |
| Vinyl Acetate | 9.02 | -1.00 | ppbv | 45829 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

Data File Name

| Name | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.84 | 20.00 |
| Propylene | 5.17 | 0.07 |
| Propane | 5.20 | 0.32 |
| Dichlorodifluoromethane | 5.28 | -1.00 |
| Chloromethane | 5.55 | -1.00 |
| Isobutane | 0.00 | 0.00 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 |
| Vinyl Chloride | 0.00 | 0.00 |
| 1-Butene | 5.93 | 0.46 |
| 1,3-Butadiene | 5.93 | 0.01 |
| Butane | 0.00 | 0.00 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 6.31 | -1.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 6.48 | -1.00 |
| Ethanol | 6.59 | -1.00 |
| Vinyl Bromide | 6.94 | -1.00 |
| Acetonitrile | 6.82 | 0.65 |
| Acrolein | 6.95 | 0.24 |
| Acetone | 7.07 | 0.31 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 0.00 | 0.00 |
| Isopropyl Alcohol | 7.28 | -1.00 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 7.54 | -1.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 0.00 | 0.00 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.89 | 0.10 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 |
| Carbon Disulfide | 8.19 | 0.08 |
| 2,2-Dimethylbutane | 0.00 | 0.00 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 |
| Cyclopentane | 0.00 | 0.00 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 |
| Vinyl Acetate | 8.97 | 0.45 |
| 2-Methylpentane | 0.00 | 0.00 |

111318010.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 1480076 | 49.1 |
| ppbv | 72439 | 42.2 |
| ppbv | 60165 | 44.1 |
| ppbv | 1813 | 87 |
| ppbv | 21772 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 354674 | 56.1 |
| ppbv | 12792 | 39.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 56.1 |
| ppbv | 8685 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 4010 | 66.1 |
| ppbv | 21275 | 45.1 |
| ppbv | 7297 | 108 |
| ppbv | 196819 | 40.1 |
| ppbv | 29404 | 55.1 |
| ppbv | 531497 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 103 |
| ppbv | 14969 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 2294 | 57.1 |
| ppbv | 0 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 34031 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 0 | 85 |
| ppbv | 217993 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 443389 | 86.1 |
| ppbv | 0 | 42.1 |

Data File Name 111318014.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.85 | 20.00 | ppbv | 1381863 | 49.1 |
| Propylene | 5.18 | 0.06 | ppbv | 63815 | 42.2 |
| Propane | 5.20 | 0.32 | ppbv | 56076 | 44.1 |
| Dichlorodifluoromethane | 5.28 | -1.00 | ppbv | 5124 | 87 |
| Chloromethane | 5.56 | -1.00 | ppbv | 5902 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.94 | 0.44 | ppbv | 320642 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 6.06 | -1.00 | ppbv | 10116 | 58.1 |
| trans-2-butene | 5.94 | 0.55 | ppbv | 321724 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 6.59 | 0.25 | ppbv | 70883 | 45.1 |
| Vinyl Bromide | 6.95 | -1.00 | ppbv | 4154 | 108 |
| Acetonitrile | 6.85 | -1.00 | ppbv | 11953 | 40.1 |
| Acrolein | 6.96 | 0.06 | ppbv | 9910 | 55.1 |
| Acetone | 7.08 | 0.08 | ppbv | 251078 | 58.1 |
| iso-Pentane | 7.09 | -1.00 | ppbv | 7925 | 57.1 |
| Trichlorofluoromethane | 7.25 | -1.00 | ppbv | 4211 | 103 |
| Isopropyl Alcohol | 7.30 | -1.00 | ppbv | 8837 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 7.54 | -1.00 | ppbv | 2851 | 57.1 |
| Isoprene | 7.64 | 0.01 | ppbv | 3390 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.89 | 0.10 | ppbv | 32152 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8.10 | -1.00 | ppbv | 917 | 85 |
| Carbon Disulfide | 8.20 | -0.14 | ppbv | 11601 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Vinyl Acetate | 9.02 | -1.00 | ppbv | 13277 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

Data File Name

| Name | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.84 | 20.00 |
| Propylene | 5.20 | -1.00 |
| Propane | 0.00 | 0.00 |
| Dichlorodifluoromethane | 0.00 | 0.00 |
| Chloromethane | 0.00 | 0.00 |
| Isobutane | 0.00 | 0.00 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 |
| Vinyl Chloride | 0.00 | 0.00 |
| 1-Butene | 5.94 | -1.00 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 0.00 | 0.00 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 0.00 | 0.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 0.00 | 0.00 |
| Ethanol | 6.58 | -1.00 |
| Vinyl Bromide | 0.00 | 0.00 |
| Acetonitrile | 6.84 | 0.03 |
| Acrolein | 6.95 | 0.08 |
| Acetone | 7.08 | 0.53 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 0.00 | 0.00 |
| Isopropyl Alcohol | 0.00 | 0.00 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 0.00 | 0.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 0.00 | 0.00 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.89 | -1.00 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 |
| Carbon Disulfide | 0.00 | 0.00 |
| 2,2-Dimethylbutane | 0.00 | 0.00 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 |
| Cyclopentane | 0.00 | 0.00 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 |
| Vinyl Acetate | 8.99 | 0.03 |
| 2-Methylpentane | 0.00 | 0.00 |

111418008.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 292492 | 49.1 |
| ppbv | 31610 | 42.2 |
| ppbv | 0 | 44.1 |
| ppbv | 0 | 87 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 186951 | 56.1 |
| ppbv | 0 | 39.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 66.1 |
| ppbv | 25736 | 45.1 |
| ppbv | 0 | 108 |
| ppbv | 29198 | 40.1 |
| ppbv | 15318 | 55.1 |
| ppbv | 550222 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 103 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 10534 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 83818 | 86.1 |
| ppbv | 0 | 42.1 |

Data File Name 111418010.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.84 | 20.00 | ppbv | 282704 | 49.1 |
| Propylene | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Propane | 5.19 | -1.00 | ppbv | 24833 | 44.1 |
| Dichlorodifluoromethane | 0.00 | 0.00 | ppbv | 0 | 87 |
| Chloromethane | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.94 | -1.00 | ppbv | 168751 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 0.00 | 0.00 | ppbv | 0 | 66.1 |
| Ethanol | 6.59 | -1.00 | ppbv | 11441 | 45.1 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 | 108 |
| Acetonitrile | 0.00 | 0.00 | ppbv | 0 | 40.1 |
| Acrolein | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acetone | 7.08 | -1.00 | ppbv | 172791 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 0.00 | 0.00 | ppbv | 0 | 103 |
| Isopropyl Alcohol | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.87 | -1.00 | ppbv | 10385 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| Carbon Disulfide | 8.18 | -0.61 | ppbv | 3643 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Vinyl Acetate | 8.99 | -1.00 | ppbv | 10714 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |

Data File Name

| Name | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.84 | 20.00 |
| Propylene | 0.00 | 0.00 |
| Propane | 0.00 | 0.00 |
| Dichlorodifluoromethane | 0.00 | 0.00 |
| Chloromethane | 0.00 | 0.00 |
| Isobutane | 0.00 | 0.00 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 |
| Vinyl Chloride | 0.00 | 0.00 |
| 1-Butene | 5.94 | -1.00 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 0.00 | 0.00 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 0.00 | 0.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 0.00 | 0.00 |
| Ethanol | 6.59 | -1.00 |
| Vinyl Bromide | 0.00 | 0.00 |
| Acetonitrile | 7.07 | -1.00 |
| Acrolein | 6.95 | 0.05 |
| Acetone | 7.07 | 0.16 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 0.00 | 0.00 |
| Isopropyl Alcohol | 7.29 | -1.00 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 0.00 | 0.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 7.81 | -1.00 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.88 | -1.00 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 |
| Carbon Disulfide | 8.19 | -0.61 |
| 2,2-Dimethylbutane | 0.00 | 0.00 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 |
| Cyclopentane | 0.00 | 0.00 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 |
| Vinyl Acetate | 8.99 | -1.00 |
| 2-Methylpentane | 0.00 | 0.00 |

111418012.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 289265 | 49.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 44.1 |
| ppbv | 0 | 87 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 168438 | 56.1 |
| ppbv | 0 | 39.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 66.1 |
| ppbv | 14956 | 45.1 |
| ppbv | 0 | 108 |
| ppbv | 10222 | 40.1 |
| ppbv | 13106 | 55.1 |
| ppbv | 303724 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 103 |
| ppbv | 6583 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 8948 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 8702 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 0 | 85 |
| ppbv | 4012 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 36458 | 86.1 |
| ppbv | 0 | 42.1 |

Data File Name 111518010.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.86 | 20.00 | ppbv | 432404 | 49.1 |
| Propylene | 5.17 | 0.15 | ppbv | 42350 | 42.2 |
| Propane | 5.20 | 0.57 | ppbv | 30416 | 44.1 |
| Dichlorodifluoromethane | 5.30 | -1.00 | ppbv | 1359 | 87 |
| Chloromethane | 5.56 | -1.00 | ppbv | 3466 | 52.1 |
| Isobutane | 0.00 | 0.00 | ppbv | 0 | 42.2 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 | 135 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 1-Butene | 5.94 | 1.11 | ppbv | 245107 | 56.1 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 | 39.1 |
| Butane | 6.06 | -1.00 | ppbv | 3529 | 58.1 |
| trans-2-butene | 6.16 | -1.00 | ppbv | 950 | 56.1 |
| Bromomethane | 6.31 | 0.05 | ppbv | 17089 | 96 |
| cis-2-butene | 6.32 | 0.00 | ppbv | 2149 | 56.1 |
| Chloroethane | 6.50 | -1.00 | ppbv | 545 | 66.1 |
| Ethanol | 6.59 | 0.22 | ppbv | 20724 | 45.1 |
| Vinyl Bromide | 6.94 | -1.00 | ppbv | 499 | 108 |
| Acetonitrile | 0.00 | 0.00 | ppbv | 0 | 40.1 |
| Acrolein | 6.96 | 0.77 | ppbv | 25586 | 55.1 |
| Acetone | 7.08 | 0.70 | ppbv | 283163 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 7.26 | -1.00 | ppbv | 1068 | 103 |
| Isopropyl Alcohol | 7.30 | -1.00 | ppbv | 4704 | 41.1 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 | 52.1 |
| n-Pentane | 7.55 | -1.00 | ppbv | 1429 | 57.1 |
| Isoprene | 7.65 | 0.00 | ppbv | 373 | 53.1 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| cis-2-pentene | 0.00 | 0.00 | ppbv | 0 | 70.1 |
| Tert-Butanol | 7.82 | 0.03 | ppbv | 5103 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.90 | 0.12 | ppbv | 12390 | 49.1 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8.11 | -1.00 | ppbv | 250 | 85 |
| Carbon Disulfide | 8.20 | -0.14 | ppbv | 4325 | 44.1 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Methyl-t-Butyl-Ether | 8.82 | 0.08 | ppbv | 813 | 57.1 |
| Vinyl Acetate | 9.00 | 0.14 | ppbv | 68126 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |
| 2-Butanone | 9.33 | 0.17 | ppbv | 13055 | 72.1 |

| Name | Ret Time | Data File Name Amount |
|---|---|---|
| Bromochloromethane | 9.88 | 20.00 |
| Propylene | 5.20 | 0.15 |
| Propane | 5.21 | 0.56 |
| Dichlorodifluoromethane | 5.28 | -1.00 |
| Chloromethane | 5.56 | -1.00 |
| Isobutane | 5.72 | 0.05 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 |
| Vinyl Chloride | 0.00 | 0.00 |
| 1-Butene | 5.96 | 1.13 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 0.00 | 0.00 |
| trans-2-butene | 0.00 | 0.00 |
| Bromomethane | 0.00 | 0.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 0.00 | 0.00 |
| Ethanol | 6.60 | 0.10 |
| Vinyl Bromide | 0.00 | 0.00 |
| Acetonitrile | 6.86 | 0.03 |
| Acrolein | 6.99 | 0.13 |
| Acetone | 7.10 | 1.08 |
| iso-Pentane | 7.10 | 0.05 |
| Trichlorofluoromethane | 7.26 | -1.00 |
| Isopropyl Alcohol | 7.32 | 0.20 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 0.00 | 0.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 0.00 | 0.00 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.91 | 0.12 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 |
| Carbon Disulfide | 8.22 | -0.14 |
| 2,2-Dimethylbutane | 0.00 | 0.00 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 |
| Cyclopentane | 8.71 | 0.05 |
| 2,3-Dimethylbutane | 0.00 | 0.00 |
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 8.84 | 0.08 |
| Vinyl Acetate | 8.84 | -1.00 |
| 2-Methylpentane | 0.00 | 0.00 |
| 2-Butanone | 9.33 | 0.15 |

111418021.D

| Units | Target Response | Name |
|---|---|---|
| ppbv | 421407 | Bromochloromethane |
| ppbv | 41678 | Propylene |
| ppbv | 28749 | Propane |
| ppbv | 1075 | Dichlorodifluoromethane |
| ppbv | 2404 | Chloromethane |
| ppbv | 13898 | Isobutane |
| ppbv | 0 | Dichlorotetrafluoroethane |
| ppbv | 0 | Vinyl Chloride |
| ppbv | 242480 | 1-Butene |
| ppbv | 0 | 1,3-Butadiene |
| ppbv | 0 | Butane |
| ppbv | 0 | trans-2-butene |
| ppbv | 0 | Bromomethane |
| ppbv | 0 | cis-2-butene |
| ppbv | 0 | Chloroethane |
| ppbv | 14223 | Ethanol |
| ppbv | 0 | Vinyl Bromide |
| ppbv | 6864 | Acetonitrile |
| ppbv | 5141 | Acrolein |
| ppbv | 397453 | Acetone |
| ppbv | 10350 | iso-Pentane |
| ppbv | 460 | Trichlorofluoromethane |
| ppbv | 12435 | Isopropyl Alcohol |
| ppbv | 0 | 1-Pentene |
| ppbv | 0 | Acrylonitrile |
| ppbv | 0 | n-Pentane |
| ppbv | 0 | Isoprene |
| ppbv | 0 | trans-2-pentene |
| ppbv | 0 | cis-2-pentene |
| ppbv | 0 | Tert-Butanol |
| ppbv | 0 | 1,1-Dichloroethene |
| ppbv | 12001 | Methylene Chloride |
| ppbv | 0 | 3-Chloro-1-Propene |
| ppbv | 0 | 1,1,2-Trichloro-1,2,2-trifluoroethane |
| ppbv | 4351 | Carbon Disulfide |
| ppbv | 0 | 2,2-Dimethylbutane |
| ppbv | 0 | trans-1,2-Dichloroethene |
| ppbv | 2547 | Cyclopentane |
| ppbv | 0 | 2,3-Dimethylbutane |
| ppbv | 0 | 1,1-Dichloroethane |
| ppbv | 487 | Methyl-t-Butyl-Ether |
| ppbv | 2150 | Vinyl Acetate |
| ppbv | 0 | 2-Methylpentane |
| ppbv | 8328 | 2-Butanone |

Data File Name 111518007.D

| Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|
| 9.86 | 20.00 | ppbv | 441695 | 49.1 |
| 5.18 | 0.16 | ppbv | 46315 | 42.2 |
| 5.21 | 0.57 | ppbv | 31029 | 44.1 |
| 5.33 | -1.00 | ppbv | 2760 | 87 |
| 5.56 | -1.00 | ppbv | 4542 | 52.1 |
| 5.72 | 0.13 | ppbv | 28607 | 42.2 |
| 0.00 | 0.00 | ppbv | 0 | 135 |
| 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 5.96 | 1.18 | ppbv | 265047 | 56.1 |
| 5.96 | 0.03 | ppbv | 8188 | 39.1 |
| 6.07 | 0.00 | ppbv | 4429 | 58.1 |
| 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 0.00 | 0.00 | ppbv | 0 | 96 |
| 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 0.00 | 0.00 | ppbv | 0 | 66.1 |
| 6.59 | 0.72 | ppbv | 46799 | 45.1 |
| 6.91 | -1.00 | ppbv | 1326 | 108 |
| 6.83 | 0.24 | ppbv | 24622 | 40.1 |
| 6.97 | 0.65 | ppbv | 22173 | 55.1 |
| 7.09 | 5.93 | ppbv | 1926520 | 58.1 |
| 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 7.26 | -1.00 | ppbv | 2293 | 103 |
| 7.31 | 0.92 | ppbv | 43139 | 41.1 |
| 0.00 | 0.00 | ppbv | 0 | 55.1 |
| 0.00 | 0.00 | ppbv | 0 | 52.1 |
| 7.55 | -1.00 | ppbv | 1677 | 57.1 |
| 7.66 | 0.02 | ppbv | 3419 | 53.1 |
| 0.00 | 0.00 | ppbv | 0 | 70.1 |
| 0.00 | 0.00 | ppbv | 0 | 70.1 |
| 7.82 | 0.08 | ppbv | 11131 | 41.1 |
| 0.00 | 0.00 | ppbv | 0 | 96 |
| 7.91 | 0.13 | ppbv | 13060 | 49.1 |
| 0.00 | 0.00 | ppbv | 0 | 76.1 |
| 0.00 | 0.00 | ppbv | 0 | 85 |
| 8.20 | -0.14 | ppbv | 4834 | 44.1 |
| 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 0.00 | 0.00 | ppbv | 0 | 96 |
| 0.00 | 0.00 | ppbv | 0 | 0 |
| 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 0.00 | 0.00 | ppbv | 0 | 65.1 |
| 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 9.00 | 0.20 | ppbv | 80384 | 86.1 |
| 0.00 | 0.00 | ppbv | 0 | 42.1 |
| 9.29 | 0.47 | ppbv | 71556 | 72.1 |

Data File Name 111618002.D

| Name | Ret Time | Amount | Units | Target Response |
|---|---|---|---|---|
| Bromochloromethane | 9.85 | 20.00 | ppbv | 438877 |
| Propylene | 5.18 | 0.14 | ppbv | 42127 |
| Propane | 5.21 | 0.59 | ppbv | 31531 |
| Dichlorodifluoromethane | 5.28 | -1.00 | ppbv | 1570 |
| Chloromethane | 5.55 | -1.00 | ppbv | 3874 |
| Isobutane | 5.71 | 0.07 | ppbv | 17758 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 |
| 1-Butene | 5.94 | 1.13 | ppbv | 253345 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 |
| Butane | 0.00 | 0.00 | ppbv | 0 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 |
| Chloroethane | 6.48 | -1.00 | ppbv | 997 |
| Ethanol | 6.59 | 0.24 | ppbv | 21749 |
| Vinyl Bromide | 6.96 | -1.00 | ppbv | 1531 |
| Acetonitrile | 6.83 | 0.07 | ppbv | 10256 |
| Acrolein | 6.96 | 0.33 | ppbv | 11824 |
| Acetone | 7.08 | 1.75 | ppbv | 630705 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 |
| Trichlorofluoromethane | 7.26 | -1.00 | ppbv | 1104 |
| Isopropyl Alcohol | 7.30 | 0.07 | ppbv | 7804 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 |
| Isoprene | 7.65 | 0.02 | ppbv | 2763 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 |
| cis-2-pentene | 7.81 | 0.01 | ppbv | 1127 |
| Tert-Butanol | 0.00 | 0.00 | ppbv | 0 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Methylene Chloride | 7.90 | 0.13 | ppbv | 12841 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 |
| Carbon Disulfide | 8.20 | -0.12 | ppbv | 10077 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 |
| Vinyl Acetate | 9.00 | 0.07 | ppbv | 54486 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 |
| 2-Butanone | 9.30 | 0.29 | ppbv | 36132 |

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|---|---|---|---|---|---|
| 2-Butanone | 9.32 | 0.18 | ppbv | 53066 | 72.1 |
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 11.61 | 0.05 | ppbv | 5380 | 77.1 |
| Carbon Tetrachloride | 11.76 | -0.25 | ppbv | 362 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 12.00 | 20.00 | ppbv | 5363513 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 12.93 | 0.04 | ppbv | 2550 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 14.17 | 0.52 | ppbv | 359098 | 58.1 |
| Methylcyclohexane | 14.18 | 0.04 | ppbv | 18883 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 15.60 | 0.11 | ppbv | 1563 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 16.22 | 0.04 | ppbv | 410 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv | 1365735 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

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|---|---|---|
| 2-Butanone | 9.27 | 0.23 |
| 3-Methylpentane | 9.39 | 0.01 |
| 2-Chloroprene | 0.00 | 0.00 |
| 1-Hexene | 0.00 | 0.00 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 |
| Diisopropyl ether | 0.00 | 0.00 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 9.88 | 0.04 |
| Chloroform | 9.96 | -0.23 |
| Tetrahydrofuran | 10.46 | 0.08 |
| Ethyl Tert-Butyl Ether | 10.50 | 0.10 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 0.00 | 0.00 |
| 2,4-Dimethylpentane | 0.00 | 0.00 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 |
| Benzene | 11.58 | 0.05 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 11.98 | 20.00 |
| 2-Methylhexane | 0.00 | 0.00 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 |
| 3-methylhexane | 0.00 | 0.00 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 0.00 | 0.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 12.92 | 0.04 |
| Isooctane | 0.00 | 0.00 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 0.00 | 0.00 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 |
| Methylcyclohexane | 0.00 | 0.00 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 |
| Toluene | 15.58 | 0.11 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 0.00 | 0.00 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |

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|---|---|---|
| ppbv | 83426 | 72.1 |
| ppbv | 3895 | 56.1 |
| ppbv | 0 | 88.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 61.1 |
| ppbv | 1409 | 43.1 |
| ppbv | 4766 | 85 |
| ppbv | 2366 | 72.1 |
| ppbv | 1542 | 87.1 |
| ppbv | 0 | 84.1 |
| ppbv | 0 | 64.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 99 |
| ppbv | 6688 | 77.1 |
| ppbv | 0 | 119 |
| ppbv | 0 | 69.1 |
| ppbv | 5127555 | 88.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 73.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 58.1 |
| ppbv | 2551 | 131.9 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 71 |
| ppbv | 1935 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| ppbv | 1493331 | 117.1 |
| ppbv | 0 | 133 |

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|---|---|---|---|---|---|
| 2-Butanone | 9.33 | 0.13 | ppbv | 14892 | 72.1 |
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 11.58 | 0.05 | ppbv | 4905 | 77.1 |
| Carbon Tetrachloride | 11.75 | -0.25 | ppbv | 1265 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 11.98 | 20.00 | ppbv | 4509352 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 12.91 | 0.04 | ppbv | 2386 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 15.60 | 0.11 | ppbv | 2327 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 1134132 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

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|---|---|---|
| 2-Butanone | 9.29 | 0.15 |
| 3-Methylpentane | 0.00 | 0.00 |
| 2-Chloroprene | 0.00 | 0.00 |
| 1-Hexene | 0.00 | 0.00 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 |
| Diisopropyl ether | 0.00 | 0.00 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 0.00 | 0.00 |
| Chloroform | 0.00 | 0.00 |
| Tetrahydrofuran | 0.00 | 0.00 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 0.00 | 0.00 |
| 2,4-Dimethylpentane | 0.00 | 0.00 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 |
| Benzene | 11.57 | -1.00 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 11.97 | 20.00 |
| 2-Methylhexane | 0.00 | 0.00 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 11.99 | 0.12 |
| 3-methylhexane | 0.00 | 0.00 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 0.00 | 0.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 0.00 | 0.00 |
| Isooctane | 0.00 | 0.00 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 0.00 | 0.00 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 |
| Methylcyclohexane | 0.00 | 0.00 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 |
| Toluene | 0.00 | 0.00 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 0.00 | 0.00 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 32185 | 72.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 88.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 61.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 72.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 84.1 |
| ppbv | 0 | 64.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 99 |
| ppbv | 1932 | 77.1 |
| ppbv | 0 | 119 |
| ppbv | 0 | 69.1 |
| ppbv | 997686 | 88.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 43.1 |
| ppbv | 15404 | 87.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 73.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 131.9 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 71 |
| ppbv | 0 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| ppbv | 344165 | 117.1 |
| ppbv | 0 | 133 |

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|---|---|---|---|---|---|
| 2-Butanone | 9.29 | 0.10 | ppbv | 16838 | 72.1 |
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 11.98 | 20.00 | ppbv | 930259 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 0.00 | 0.00 | ppbv | 0 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 359433 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |

| | | |
|---|---|---|
| 2-Butanone | 9.28 | 0.13 |
| 3-Methylpentane | 0.00 | 0.00 |
| 2-Chloroprene | 0.00 | 0.00 |
| 1-Hexene | 0.00 | 0.00 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 |
| Diisopropyl ether | 0.00 | 0.00 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 0.00 | 0.00 |
| Chloroform | 0.00 | 0.00 |
| Tetrahydrofuran | 0.00 | 0.00 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 0.00 | 0.00 |
| 2,4-Dimethylpentane | 0.00 | 0.00 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 |
| Benzene | 0.00 | 0.00 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 11.97 | 20.00 |
| 2-Methylhexane | 0.00 | 0.00 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 |
| 3-methylhexane | 0.00 | 0.00 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 0.00 | 0.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 0.00 | 0.00 |
| Isooctane | 0.00 | 0.00 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 0.00 | 0.00 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 |
| Methylcyclohexane | 0.00 | 0.00 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 |
| Toluene | 0.00 | 0.00 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 0.00 | 0.00 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 24654 | 72.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 88.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 61.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 72.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 84.1 |
| ppbv | 0 | 64.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 119 |
| ppbv | 0 | 69.1 |
| ppbv | 941851 | 88.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 87.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 65.1 |
| ppbv | 0 | 73.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 131.9 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 71 |
| ppbv | 0 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| ppbv | 363759 | 117.1 |
| ppbv | 0 | 133 |

| | | | | | |
|---|---|---|---|---|---|
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 | 41.1 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 | 61.1 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 | 85 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 | 72.1 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| Benzene | 11.61 | 0.05 | ppbv | 2116 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 1,4-Difluorobenzene | 12.00 | 20.00 | ppbv | 1441742 | 88.1 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 | 65.1 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 | 73.1 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Trichloroethene | 12.94 | 0.04 | ppbv | 912 | 131.9 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| Heptane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 | 55.1 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 | 99 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Toluene | 15.62 | 0.11 | ppbv | 740 | 92.1 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 | 109 |
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| Chlorobenzene-d5 | 18.37 | 20.00 | ppbv | 501476 | 117.1 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |

| | | |
|---|---|---|
| 3-Methylpentane | 0.00 | 0.00 |
| 2-Chloroprene | 0.00 | 0.00 |
| 1-Hexene | 0.00 | 0.00 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 |
| Diisopropyl ether | 0.00 | 0.00 |
| Ethyl Acetate | 0.00 | 0.00 |
| n-Hexane | 0.00 | 0.00 |
| Chloroform | 0.00 | 0.00 |
| Tetrahydrofuran | 0.00 | 0.00 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 |
| Methylcyclopentane | 0.00 | 0.00 |
| 1,2-Dichloroethane | 0.00 | 0.00 |
| 2,4-Dimethylpentane | 0.00 | 0.00 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 |
| Benzene | 11.60 | 0.05 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| 1,4-Difluorobenzene | 12.00 | 20.00 |
| 2-Methylhexane | 12.00 | 0.01 |
| 2,3-Dimethylpentane | 0.00 | 0.00 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 |
| 3-methylhexane | 0.00 | 0.00 |
| 1,2-Dichloropropane | 0.00 | 0.00 |
| Ethyl acrylate | 0.00 | 0.00 |
| Bromodichloromethane | 0.00 | 0.00 |
| 1,4-Dioxane | 0.00 | 0.00 |
| Trichloroethene | 0.00 | 0.00 |
| Isooctane | 0.00 | 0.00 |
| Methyl Methacrylate | 0.00 | 0.00 |
| Heptane | 0.00 | 0.00 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 |
| Methylcyclohexane | 0.00 | 0.00 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 |
| Toluene | 0.00 | 0.00 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 0.00 | 0.00 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| Chlorobenzene-d5 | 18.37 | 20.00 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| Chlorobenzene | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 0 | 3-Methylpentane |
| ppbv | 0 | 2-Chloroprene |
| ppbv | 0 | 1-Hexene |
| ppbv | 0 | cis-1,2-Dichloroethene |
| ppbv | 0 | Diisopropyl ether |
| ppbv | 0 | Ethyl Acetate |
| ppbv | 0 | n-Hexane |
| ppbv | 0 | Chloroform |
| ppbv | 0 | Tetrahydrofuran |
| ppbv | 0 | Ethyl Tert-Butyl Ether |
| ppbv | 0 | Methylcyclopentane |
| ppbv | 0 | 1,2-Dichloroethane |
| ppbv | 0 | 2,4-Dimethylpentane |
| ppbv | 0 | 1,1,1-Trichloroethane |
| ppbv | 1576 | Benzene |
| ppbv | 0 | Carbon Tetrachloride |
| ppbv | 0 | Cyclohexane |
| ppbv | 1424464 | 1,4-Difluorobenzene |
| ppbv | 1252 | 2-Methylhexane |
| ppbv | 0 | 2,3-Dimethylpentane |
| ppbv | 0 | Tert Amyl Methyl Ether |
| ppbv | 0 | 3-methylhexane |
| ppbv | 0 | 1,2-Dichloropropane |
| ppbv | 0 | Ethyl acrylate |
| ppbv | 0 | Bromodichloromethane |
| ppbv | 0 | 1,4-Dioxane |
| ppbv | 0 | Trichloroethene |
| ppbv | 0 | Isooctane |
| ppbv | 0 | Methyl Methacrylate |
| ppbv | 0 | Heptane |
| ppbv | 0 | cis-1,3-Dichloropropene |
| ppbv | 0 | 4-Methy-2-Pentanone |
| ppbv | 0 | Methylcyclohexane |
| ppbv | 0 | trans-1,3-Dichloropropene |
| ppbv | 0 | 1,1,2-Trichloroethane |
| ppbv | 0 | 2,3,4-Trimethylpentane |
| ppbv | 0 | Toluene |
| ppbv | 0 | 2-Methylheptane |
| ppbv | 0 | 2-Hexanone |
| ppbv | 0 | Dibromochloromethane |
| ppbv | 0 | 3-Methylheptane |
| ppbv | 0 | 1,2-Dibromoethane |
| ppbv | 0 | Octane |
| ppbv | 0 | Tetrachloroethene |
| ppbv | 491549 | Chlorobenzene-d5 |
| ppbv | 0 | 1,1,1,2-Tetrachloroethane |
| ppbv | 0 | Chlorobenzene |

| | | | | |
|---|---|---|---|---|
| 9.40 | 0.01 | ppbv | 1245 | 56.1 |
| 0.00 | 0.00 | ppbv | 0 | 88.1 |
| 0.00 | 0.00 | ppbv | 0 | 41.1 |
| 0.00 | 0.00 | ppbv | 0 | 96 |
| 9.77 | 0.01 | ppbv | 1154 | 87.1 |
| 0.00 | 0.00 | ppbv | 0 | 61.1 |
| 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 0.00 | 0.00 | ppbv | 0 | 85 |
| 0.00 | 0.00 | ppbv | 0 | 72.1 |
| 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 0.00 | 0.00 | ppbv | 0 | 84.1 |
| 0.00 | 0.00 | ppbv | 0 | 64.1 |
| 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 0.00 | 0.00 | ppbv | 0 | 99 |
| 11.60 | 0.05 | ppbv | 1794 | 77.1 |
| 11.77 | -0.25 | ppbv | 801 | 119 |
| 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 11.99 | 20.00 | ppbv | 1538394 | 88.1 |
| 0.00 | 0.00 | ppbv | 0 | 85 |
| 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 0.00 | 0.00 | ppbv | 0 | 87.1 |
| 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 0.00 | 0.00 | ppbv | 0 | 65.1 |
| 0.00 | 0.00 | ppbv | 0 | 73.1 |
| 0.00 | 0.00 | ppbv | 0 | 85 |
| 0.00 | 0.00 | ppbv | 0 | 58.1 |
| 12.93 | 0.04 | ppbv | 829 | 131.9 |
| 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 14.19 | 0.68 | ppbv | 137252 | 58.1 |
| 14.19 | 0.05 | ppbv | 6216 | 55.1 |
| 0.00 | 0.00 | ppbv | 0 | 77.1 |
| 0.00 | 0.00 | ppbv | 0 | 99 |
| 0.00 | 0.00 | ppbv | 0 | 71 |
| 0.00 | 0.00 | ppbv | 0 | 92.1 |
| 0.00 | 0.00 | ppbv | 0 | 43.1 |
| 0.00 | 0.00 | ppbv | 0 | 58.1 |
| 0.00 | 0.00 | ppbv | 0 | 126.9 |
| 0.00 | 0.00 | ppbv | 0 | 57.1 |
| 0.00 | 0.00 | ppbv | 0 | 109 |
| 0.00 | 0.00 | ppbv | 0 | 85.1 |
| 0.00 | 0.00 | ppbv | 0 | 163.9 |
| 18.36 | 20.00 | ppbv | 565617 | 117.1 |
| 0.00 | 0.00 | ppbv | 0 | 133 |
| 0.00 | 0.00 | ppbv | 0 | 114 |

| | | | | |
|---|---|---|---|---|
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 |
| Chloroform | 0.00 | 0.00 | ppbv | 0 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 |
| Benzene | 11.59 | 0.05 | ppbv | 1763 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 1508200 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 |
| Trichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Isooctane | 0.00 | 0.00 | ppbv | 0 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 |
| Heptane | 0.00 | 0.00 | ppbv | 0 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 |
| Toluene | 0.00 | 0.00 | ppbv | 0 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 |
| Octane | 0.00 | 0.00 | ppbv | 0 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv | 554465 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 |
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 |

| | | | | | |
|---|---|---|---|---|---|
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.19 | -18.72 | ppbv | 661782 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 0.00 | 0.00 | ppbv | 0 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 26.75 | 0.01 | ppbv | 2053 | 71.1 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 28.34 | 0.02 | ppbv | 8153 | 71 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 1240 | 226.9 |

| | | |
|---|---|---|
| Chlorobenzene | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 |
| m-Xylene | 0.00 | 0.00 |
| p-Xylene | 0.00 | 0.00 |
| Bromoform | 0.00 | 0.00 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 |
| o-Xylene | 0.00 | 0.00 |
| Nonane | 0.00 | 0.00 |
| Bromofluorobenzene | 21.17 | -10.90 |
| Cumene | 0.00 | 0.00 |
| Chlorotoluenes | 0.00 | 0.00 |
| n-Propylbenzene | 0.00 | 0.00 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 23.98 | -1.00 |
| Tert-Butyl Benzene | 0.00 | 0.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 0.00 | 0.00 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 24.34 | 0.02 |
| Sec-Butyl Benzene | 0.00 | 0.00 |
| 1,2,3-Trimethylbenzene | 24.89 | 0.02 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 25.30 | 0.07 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 25.73 | 0.02 |
| Undecane | 26.69 | 0.02 |
| 1,2,4-Trichlorobenzene | 27.96 | 0.08 |
| Naphthalene | 28.12 | 0.13 |
| Dodecane | 28.26 | 0.02 |
| Hexachlorobutadiene | 28.61 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | 114 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 174.9 |
| ppbv | 0 | 78.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 85.1 |
| ppbv | 894306 | 174 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 126.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 1402 | 120.1 |
| ppbv | 0 | 91.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 148 |
| ppbv | 1483 | 71.1 |
| ppbv | 0 | 134.2 |
| ppbv | 2097 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 2386 | 134.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 105.1 |
| ppbv | 2521 | 92.1 |
| ppbv | 5141 | 71.1 |
| ppbv | 5547 | 182 |
| ppbv | 25451 | 0 |
| ppbv | 11089 | 71 |
| ppbv | 3242 | 226.9 |

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|---|---|---|---|---|---|
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.19 | -16.47 | ppbv | 586889 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 25.31 | 0.06 | ppbv | 839 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 28.32 | 0.01 | ppbv | 2188 | 71 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 1004 | 226.9 |

| | | |
|---|---|---|
| Chlorobenzene | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 |
| m-Xylene | 0.00 | 0.00 |
| p-Xylene | 0.00 | 0.00 |
| Bromoform | 0.00 | 0.00 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 |
| o-Xylene | 0.00 | 0.00 |
| Nonane | 0.00 | 0.00 |
| Bromofluorobenzene | 21.17 | -43.89 |
| Cumene | 0.00 | 0.00 |
| Chlorotoluenes | 0.00 | 0.00 |
| n-Propylbenzene | 0.00 | 0.00 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 |
| Tert-Butyl Benzene | 0.00 | 0.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 0.00 | 0.00 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 0.00 | 0.00 |
| Sec-Butyl Benzene | 0.00 | 0.00 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 0.00 | 0.00 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 0.00 | 0.00 |
| Undecane | 0.00 | 0.00 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 |
| Naphthalene | 0.00 | 0.00 |
| Dodecane | 28.31 | 0.14 |
| Hexachlorobutadiene | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 0 | 114 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 174.9 |
| ppbv | 0 | 78.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 85.1 |
| ppbv | 187210 | 174 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 126.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 91.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 148 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 134.2 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 134.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 92.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 182 |
| ppbv | 0 | 0 |
| ppbv | 14651 | 71 |
| ppbv | 0 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 | 114 |
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.18 | -65.16 | ppbv | 125882 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 0.00 | 0.00 | ppbv | 0 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 0.00 | 0.00 | ppbv | 0 | 71 |
| Hexachlorobutadiene | 0.00 | 0.00 | ppbv | 0 | 226.9 |

| | | |
|---|---|---|
| Chlorobenzene | 0.00 | 0.00 |
| Ethylbenzene | 0.00 | 0.00 |
| m-Xylene | 0.00 | 0.00 |
| p-Xylene | 0.00 | 0.00 |
| Bromoform | 0.00 | 0.00 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 |
| o-Xylene | 0.00 | 0.00 |
| Nonane | 0.00 | 0.00 |
| Bromofluorobenzene | 21.18 | -47.36 |
| Cumene | 0.00 | 0.00 |
| Chlorotoluenes | 0.00 | 0.00 |
| n-Propylbenzene | 0.00 | 0.00 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 |
| Tert-Butyl Benzene | 0.00 | 0.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 0.00 | 0.00 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 0.00 | 0.00 |
| Sec-Butyl Benzene | 0.00 | 0.00 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 0.00 | 0.00 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 0.00 | 0.00 |
| Undecane | 26.73 | 0.03 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 |
| Naphthalene | 0.00 | 0.00 |
| Dodecane | 28.27 | 0.07 |
| Hexachlorobutadiene | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 0 | 114 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 174.9 |
| ppbv | 0 | 78.1 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 85 |
| ppbv | 0 | 106.1 |
| ppbv | 0 | 85.1 |
| ppbv | 186375 | 174 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 126.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 91.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 148 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 134.2 |
| ppbv | 0 | 120.1 |
| ppbv | 0 | 148 |
| ppbv | 0 | 134.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 105.1 |
| ppbv | 0 | 92.1 |
| ppbv | 2721 | 71.1 |
| ppbv | 0 | 182 |
| ppbv | 0 | 0 |
| ppbv | 6508 | 71 |
| ppbv | 0 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 | 174.9 |
| Styrene | 0.00 | 0.00 | ppbv | 0 | 78.1 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 85 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 | 106.1 |
| Nonane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Bromofluorobenzene | 21.20 | -22.73 | ppbv | 213660 | 174 |
| Cumene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 | 126.1 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| n-Decane | 0.00 | 0.00 | ppbv | 0 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 0.00 | 0.00 | ppbv | 0 | 134.1 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 | 105.1 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 92.1 |
| Undecane | 26.74 | 0.01 | ppbv | 863 | 71.1 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 28.33 | 0.07 | ppbv | 15745 | 71 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 460 | 226.9 |

| | | |
|---|---|---|
| Ethylbenzene | 0.00 | 0.00 |
| m-Xylene | 0.00 | 0.00 |
| p-Xylene | 0.00 | 0.00 |
| Bromoform | 0.00 | 0.00 |
| Styrene | 0.00 | 0.00 |
| Butyl Acrylate | 0.00 | 0.00 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 |
| o-Xylene | 0.00 | 0.00 |
| Nonane | 0.00 | 0.00 |
| Bromofluorobenzene | 21.19 | -22.08 |
| Cumene | 0.00 | 0.00 |
| Chlorotoluenes | 0.00 | 0.00 |
| n-Propylbenzene | 0.00 | 0.00 |
| m-Ethyltoluene | 0.00 | 0.00 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 |
| Tert-Butyl Benzene | 0.00 | 0.00 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 |
| o-Ethyltoluene | 0.00 | 0.00 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 |
| n-Decane | 0.00 | 0.00 |
| Sec-Butyl Benzene | 0.00 | 0.00 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 |
| o-Cymene | 0.00 | 0.00 |
| 1,3-Diethylbenzene | 0.00 | 0.00 |
| 1,2-Diethylbenzene | 0.00 | 0.00 |
| n-Butyl Benzene | 0.00 | 0.00 |
| Undecane | 0.00 | 0.00 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 |
| Naphthalene | 0.00 | 0.00 |
| Dodecane | 28.34 | 0.03 |
| Hexachlorobutadiene | 28.62 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | Ethylbenzene |
| ppbv | 0 | m-Xylene |
| ppbv | 0 | p-Xylene |
| ppbv | 0 | Bromoform |
| ppbv | 0 | Styrene |
| ppbv | 0 | Butyl Acrylate |
| ppbv | 0 | 1,1,2,2-Tetrachloroethane |
| ppbv | 0 | o-Xylene |
| ppbv | 0 | Nonane |
| ppbv | 214094 | Bromofluorobenzene |
| ppbv | 0 | Cumene |
| ppbv | 0 | Chlorotoluenes |
| ppbv | 0 | n-Propylbenzene |
| ppbv | 0 | m-Ethyltoluene |
| ppbv | 0 | 1,3,5-Trimethylbenzene |
| ppbv | 0 | 1,2,4-Trimethylbenzene |
| ppbv | 0 | Tert-Butyl Benzene |
| ppbv | 0 | 1-Ethyl-4-Methyl Benzene |
| ppbv | 0 | o-Ethyltoluene |
| ppbv | 0 | 1,3-Dichlorobenzene |
| ppbv | 0 | 1,4-Dichlorobenzene |
| ppbv | 0 | n-Decane |
| ppbv | 0 | Sec-Butyl Benzene |
| ppbv | 0 | 1,2,3-Trimethylbenzene |
| ppbv | 0 | 1,2-Dichlorobenzene |
| ppbv | 0 | o-Cymene |
| ppbv | 0 | 1,3-Diethylbenzene |
| ppbv | 0 | 1,2-Diethylbenzene |
| ppbv | 0 | n-Butyl Benzene |
| ppbv | 0 | Undecane |
| ppbv | 0 | 1,2,4-Trichlorobenzene |
| ppbv | 0 | Naphthalene |
| ppbv | 5129 | Dodecane |
| ppbv | 322 | Hexachlorobutadiene |

| | | | | |
|---|---|---|---|---|
| 0.00 | 0.00 | ppbv | 0 | 106.1 |
| 0.00 | 0.00 | ppbv | 0 | 106.1 |
| 0.00 | 0.00 | ppbv | 0 | 106.1 |
| 0.00 | 0.00 | ppbv | 0 | 174.9 |
| 0.00 | 0.00 | ppbv | 0 | 78.1 |
| 0.00 | 0.00 | ppbv | 0 | 56.1 |
| 0.00 | 0.00 | ppbv | 0 | 85 |
| 0.00 | 0.00 | ppbv | 0 | 106.1 |
| 0.00 | 0.00 | ppbv | 0 | 85.1 |
| 21.19 | -19.85 | ppbv | 264759 | 174 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 126.1 |
| 22.22 | 0.10 | ppbv | 556 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 91.1 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 148 |
| 0.00 | 0.00 | ppbv | 0 | 148 |
| 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 0.00 | 0.00 | ppbv | 0 | 120.1 |
| 0.00 | 0.00 | ppbv | 0 | 148 |
| 0.00 | 0.00 | ppbv | 0 | 134.1 |
| 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 0.00 | 0.00 | ppbv | 0 | 105.1 |
| 0.00 | 0.00 | ppbv | 0 | 92.1 |
| 0.00 | 0.00 | ppbv | 0 | 71.1 |
| 0.00 | 0.00 | ppbv | 0 | 182 |
| 0.00 | 0.00 | ppbv | 0 | 0 |
| 28.33 | 0.04 | ppbv | 9635 | 71 |
| 28.62 | -1.00 | ppbv | 339 | 226.9 |

| | | | | |
|---|---|---|---|---|
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 |
| Styrene | 0.00 | 0.00 | ppbv | 0 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 |
| Nonane | 0.00 | 0.00 | ppbv | 0 |
| Bromofluorobenzene | 21.19 | -19.58 | ppbv | 261711 |
| Cumene | 0.00 | 0.00 | ppbv | 0 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2,4-Trimethylbenzene | 24.06 | -1.00 | ppbv | 2628 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| n-Decane | 24.33 | 0.02 | ppbv | 2823 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2,3-Trimethylbenzene | 24.91 | 0.02 | ppbv | 2138 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| o-Cymene | 25.31 | 0.07 | ppbv | 1229 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Diethylbenzene | 25.74 | 0.02 | ppbv | 1549 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| Undecane | 26.69 | 0.08 | ppbv | 22035 |
| 1,2,4-Trichlorobenzene | 28.01 | 0.08 | ppbv | 760 |
| Naphthalene | 28.17 | 0.13 | ppbv | 9445 |
| Dodecane | 28.26 | 0.25 | ppbv | 71596 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 823 |

Data File Name 111818004.D

| Name | Ret Time | Amount | Units | Target Response |
|---|---|---|---|---|
| Bromochloromethane | 9.85 | 20.00 | ppbv | 448525 |
| Propylene | 5.15 | 0.15 | ppbv | 44669 |
| Propane | 5.20 | 0.58 | ppbv | 31860 |
| Dichlorodifluoromethane | 0.00 | 0.00 | ppbv | 0 |
| Chloromethane | 5.55 | -1.00 | ppbv | 4737 |
| Isobutane | 5.71 | 0.11 | ppbv | 24502 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 |
| 1-Butene | 5.94 | 1.12 | ppbv | 256438 |
| 1,3-Butadiene | 0.00 | 0.00 | ppbv | 0 |
| Butane | 0.00 | 0.00 | ppbv | 0 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 |
| Bromomethane | 0.00 | 0.00 | ppbv | 0 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 |
| Chloroethane | 6.50 | -1.00 | ppbv | 584 |
| Ethanol | 6.59 | 0.24 | ppbv | 22208 |
| Vinyl Bromide | 6.97 | -1.00 | ppbv | 2328 |
| Acetonitrile | 6.86 | 0.02 | ppbv | 6417 |
| Acrolein | 6.97 | 0.34 | ppbv | 12420 |
| Acetone | 7.08 | 1.48 | ppbv | 556645 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 |
| Trichlorofluoromethane | 7.26 | -1.00 | ppbv | 589 |
| Isopropyl Alcohol | 7.30 | 0.11 | ppbv | 9358 |
| 1-Pentene | 0.00 | 0.00 | ppbv | 0 |
| Acrylonitrile | 0.00 | 0.00 | ppbv | 0 |
| n-Pentane | 0.00 | 0.00 | ppbv | 0 |
| Isoprene | 0.00 | 0.00 | ppbv | 0 |
| trans-2-pentene | 0.00 | 0.00 | ppbv | 0 |
| cis-2-pentene | 7.83 | 0.01 | ppbv | 1134 |
| Tert-Butanol | 7.82 | 0.14 | ppbv | 19219 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Methylene Chloride | 7.90 | 0.14 | ppbv | 14258 |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv | 0 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv | 0 |
| Carbon Disulfide | 8.20 | -0.10 | ppbv | 14930 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Cyclopentane | 0.00 | 0.00 | ppbv | 0 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 |
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv | 0 |
| Vinyl Acetate | 8.99 | 0.11 | ppbv | 64280 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 |
| 2-Butanone | 9.27 | 0.40 | ppbv | 58748 |

Go Get these again!!!!

Data File Name 111418017.D

| Name | Ret Time | Amount | Units |
|---|---|---|---|
| Bromochloromethane | | | ppbv |
| Propylene | | | ppbv |
| Propane | | | ppbv |
| Dichlorodifluoromethane | | | ppbv |
| Chloromethane | | | ppbv |
| Isobutane | | | ppbv |
| Dichlorotetrafluoroethane | | | ppbv |
| Vinyl Chloride | | | ppbv |
| 1-Butene | | | ppbv |
| 1,3-Butadiene | | | ppbv |
| Butane | | | ppbv |
| trans-2-butene | | | ppbv |
| Bromomethane | | | ppbv |
| cis-2-butene | | | ppbv |
| Chloroethane | | | ppbv |
| Ethanol | | | ppbv |
| Vinyl Bromide | | | ppbv |
| Acetonitrile | | | ppbv |
| Acrolein | | | ppbv |
| Acetone | | | ppbv |
| iso-Pentane | | | ppbv |
| Trichlorofluoromethane | | | ppbv |
| Isopropyl Alcohol | | | ppbv |
| 1-Pentene | | | ppbv |
| Acrylonitrile | | | ppbv |
| n-Pentane | | | ppbv |
| Isoprene | | | ppbv |
| trans-2-pentene | | | ppbv |
| cis-2-pentene | | | ppbv |
| Tert-Butanol | | | ppbv |
| 1,1-Dichloroethene | | | ppbv |
| Methylene Chloride | | | ppbv |
| 3-Chloro-1-Propene | | | ppbv |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | | | ppbv |
| Carbon Disulfide | | | ppbv |
| 2,2-Dimethylbutane | | | ppbv |
| trans-1,2-Dichloroethene | | | ppbv |
| Cyclopentane | | | ppbv |
| 2,3-Dimethylbutane | | | ppbv |
| 1,1-Dichloroethane | | | ppbv |
| Methyl-t-Butyl-Ether | | | ppbv |
| Vinyl Acetate | | | ppbv |
| 2-Methylpentane | | | ppbv |
| 2-Butanone | | | ppbv |

Target Response

| | | | | |
|---|---|---|---|---|
| 3-Methylpentane | 0.00 | 0.00 | ppbv | 0 |
| 2-Chloroprene | 0.00 | 0.00 | ppbv | 0 |
| 1-Hexene | 0.00 | 0.00 | ppbv | 0 |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Diisopropyl ether | 0.00 | 0.00 | ppbv | 0 |
| Ethyl Acetate | 0.00 | 0.00 | ppbv | 0 |
| n-Hexane | 0.00 | 0.00 | ppbv | 0 |
| Chloroform | 9.84 | -0.24 | ppbv | 415 |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv | 0 |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv | 0 |
| Methylcyclopentane | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv | 0 |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv | 0 |
| Benzene | 11.59 | 0.05 | ppbv | 1487 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 1547630 |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv | 0 |
| 3-methylhexane | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv | 0 |
| Ethyl acrylate | 0.00 | 0.00 | ppbv | 0 |
| Bromodichloromethane | 0.00 | 0.00 | ppbv | 0 |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv | 0 |
| Trichloroethene | 12.91 | 0.04 | ppbv | 936 |
| Isooctane | 12.99 | 0.04 | ppbv | 1967 |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv | 0 |
| Heptane | 0.00 | 0.00 | ppbv | 0 |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 |
| 4-Methy-2-Pentanone | 0.00 | 0.00 | ppbv | 0 |
| Methylcyclohexane | 0.00 | 0.00 | ppbv | 0 |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv | 0 |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv | 0 |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv | 0 |
| Toluene | 0.00 | 0.00 | ppbv | 0 |
| 2-Methylheptane | 0.00 | 0.00 | ppbv | 0 |
| 2-Hexanone | 0.00 | 0.00 | ppbv | 0 |
| Dibromochloromethane | 0.00 | 0.00 | ppbv | 0 |
| 3-Methylheptane | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv | 0 |
| Octane | 0.00 | 0.00 | ppbv | 0 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv | 561236 |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 |
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 |

| | |
|---|---|
| 3-Methylpentane | ppbv |
| 2-Chloroprene | ppbv |
| 1-Hexene | ppbv |
| cis-1,2-Dichloroethene | ppbv |
| Diisopropyl ether | ppbv |
| Ethyl Acetate | ppbv |
| n-Hexane | ppbv |
| Chloroform | ppbv |
| Tetrahydrofuran | ppbv |
| Ethyl Tert-Butyl Ether | ppbv |
| Methylcyclopentane | ppbv |
| 1,2-Dichloroethane | ppbv |
| 2,4-Dimethylpentane | ppbv |
| 1,1,1-Trichloroethane | ppbv |
| Benzene | ppbv |
| Carbon Tetrachloride | ppbv |
| Cyclohexane | ppbv |
| 1,4-Difluorobenzene | ppbv |
| 2-Methylhexane | ppbv |
| 2,3-Dimethylpentane | ppbv |
| Tert Amyl Methyl Ether | ppbv |
| 3-methylhexane | ppbv |
| 1,2-Dichloropropane | ppbv |
| Ethyl acrylate | ppbv |
| Bromodichloromethane | ppbv |
| 1,4-Dioxane | ppbv |
| Trichloroethene | ppbv |
| Isooctane | ppbv |
| Methyl Methacrylate | ppbv |
| Heptane | ppbv |
| cis-1,3-Dichloropropene | ppbv |
| 4-Methy-2-Pentanone | ppbv |
| Methylcyclohexane | ppbv |
| trans-1,3-Dichloropropene | ppbv |
| 1,1,2-Trichloroethane | ppbv |
| 2,3,4-Trimethylpentane | ppbv |
| Toluene | ppbv |
| 2-Methylheptane | ppbv |
| 2-Hexanone | ppbv |
| Dibromochloromethane | ppbv |
| 3-Methylheptane | ppbv |
| 1,2-Dibromoethane | ppbv |
| Octane | ppbv |
| Tetrachloroethene | ppbv |
| Chlorobenzene-d5 | ppbv |
| 1,1,1,2-Tetrachloroethane | ppbv |
| Chlorobenzene | ppbv |

| | | | | |
|---|---|---|---|---|
| Ethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| m-Xylene | 0.00 | 0.00 | ppbv | 0 |
| p-Xylene | 0.00 | 0.00 | ppbv | 0 |
| Bromoform | 0.00 | 0.00 | ppbv | 0 |
| Styrene | 0.00 | 0.00 | ppbv | 0 |
| Butyl Acrylate | 0.00 | 0.00 | ppbv | 0 |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 |
| o-Xylene | 0.00 | 0.00 | ppbv | 0 |
| Nonane | 0.00 | 0.00 | ppbv | 0 |
| Bromofluorobenzene | 21.19 | -18.05 | ppbv | 277454 |
| Cumene | 0.00 | 0.00 | ppbv | 0 |
| Chlorotoluenes | 0.00 | 0.00 | ppbv | 0 |
| n-Propylbenzene | 0.00 | 0.00 | ppbv | 0 |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv | 0 |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| n-Decane | 24.38 | 0.02 | ppbv | 1395 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| o-Cymene | 0.00 | 0.00 | ppbv | 0 |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv | 0 |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 |
| Undecane | 26.71 | 0.03 | ppbv | 5284 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 |
| Dodecane | 28.27 | 0.04 | ppbv | 9059 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 397 |

| | |
|---|---|
| Ethylbenzene | ppbv |
| m-Xylene | ppbv |
| p-Xylene | ppbv |
| Bromoform | ppbv |
| Styrene | ppbv |
| Butyl Acrylate | ppbv |
| 1,1,2,2-Tetrachloroethane | ppbv |
| o-Xylene | ppbv |
| Nonane | ppbv |
| Bromofluorobenzene | ppbv |
| Cumene | ppbv |
| Chlorotoluenes | ppbv |
| n-Propylbenzene | ppbv |
| m-Ethyltoluene | ppbv |
| 1,3,5-Trimethylbenzene | ppbv |
| 1,2,4-Trimethylbenzene | ppbv |
| Tert-Butyl Benzene | ppbv |
| 1-Ethyl-4-Methyl Benzene | ppbv |
| o-Ethyltoluene | ppbv |
| 1,3-Dichlorobenzene | ppbv |
| 1,4-Dichlorobenzene | ppbv |
| n-Decane | ppbv |
| Sec-Butyl Benzene | ppbv |
| 1,2,3-Trimethylbenzene | ppbv |
| 1,2-Dichlorobenzene | ppbv |
| o-Cymene | ppbv |
| 1,3-Diethylbenzene | ppbv |
| 1,2-Diethylbenzene | ppbv |
| n-Butyl Benzene | ppbv |
| Undecane | ppbv |
| 1,2,4-Trichlorobenzene | ppbv |
| Naphthalene | ppbv |
| Dodecane | ppbv |
| Hexachlorobutadiene | ppbv |

| | Compound |
|---|---|
| Inte | rnal Standards |
| 1) | Bromochloromethane |
| 62) | 1,4-Difluorobenzene |
| 89) | Chlorobenzene-d5 |
| | |
| Targ | et Compounds |
| 2] | Propylene |
| 3] | Propane |
| 4] | Dichlorodifluoromethane |
| 5] | Chloromethane |
| 6] | Isobutane |
| 7] | Dichlorotetrafluoroethane |
| 8] | Vinyl Chloride |
| 9] | 1-Butene |
| 10] | 1,3-Butadiene |
| 11] | Butane |
| 12) | trans-2-butene |
| 13] | Bromomethane |
| 14] | cis-2-butene |
| 15] | Chloroethane |
| 16] | Ethanol |
| 17] | Vinyl Bromide |
| 18] | Acetonitrile |
| 19] | Acrolein |
| 20] | Acetone |
| 21] | iso-Pentane |
| 22] | Trichlorofluoromethane |
| 23] | Isopropyl Alcohol |
| 24] | 1-Pentene |
| 25] | Acrylonitrile |

MEAN ICAL RTs
03/24/19 cal

| |
|---|
| 10.0022 |
| 12.08793333 |
| 18.38946667 |

| |
|---|
| 5.113 |
| 5.170933333 |
| 5.411533333 |
| 5.7198 |
| 5.9398 |
| 5.924266667 |
| 6.0738 |
| 6.2072 |
| 6.2576 |
| 6.3334 |
| 6.453 |
| 6.6076 |
| 6.6378 |
| 6.7802 |
| 6.8842 |
| 7.127 |
| 7.097933333 |
| 7.212133333 |
| 7.329866667 |
| 7.3476 |
| 7.482533333 |
| 7.515866667 |
| 7.571 |
| 7.716666667 |

TO15A QA: RTs within a few seconds of their mean ICAL RTs

RETENTION TIMES

| 041219003.D | 041219004.D |
|---|---|
| 1 ppb | Ambient |

| R.T. | R.T. |
|---|---|
| 9.991 | 10.002 |
| 12.085 | 12.08 |
| 18.386 | 18.39 |
| | |
| 5.101 | 5.194 |
| 5.199 | 5.21 |
| 5.418 | 5.412 |
| 5.723 | 5.724 |
| 5.919 | 5.927 |
| 5.919 | 5.896 |
| 6.053 | 0 |
| 6.199 | 6.192 |
| 6.248 | 6.207 |
| 6.321 | 6.317 |
| 6.443 | 0 |
| 6.59 | 0 |
| 6.626 | 0 |
| 6.761 | 0 |
| 6.858 | 6.867 |
| 7.115 | 7.103 |
| 7.084 | 7.093 |
| 7.197 | 7.196 |
| 7.3 | 7.308 |
| 7.331 | 7.329 |
| 7.464 | 7.473 |
| 7.495 | 7.504 |
| 7.556 | 7.504 |
| 7.7 | 7.76 |

| 041219006.D | 041219007.D | 041219009.D |
|---|---|---|
| Ambient dup | System blank | Batch Blank 2 |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.002 | 10.002 | 9.989 |
| 12.08 | 12.08 | 12.08 |
| 18.39 | 18.39 | 18.39 |
| | | |
| 5.21 | 5.132 | 5.147 |
| 5.21 | 5.194 | 5.194 |
| 5.428 | 5.397 | 5.397 |
| 5.74 | 5.724 | 5.724 |
| 5.927 | 5.927 | 5.911 |
| 5.927 | 0 | 0 |
| 0 | 0 | 0 |
| 6.192 | 6.192 | 6.192 |
| 6.208 | 6.208 | 6.192 |
| 6.317 | 6.317 | 6.317 |
| 0 | 0 | 0 |
| 0 | 6.613 | 6.566 |
| 0 | 6.613 | 0 |
| 0 | 6.769 | 6.753 |
| 6.867 | 6.867 | 6.867 |
| 7.124 | 7.114 | 7.113 |
| 7.103 | 7.093 | 7.083 |
| 7.206 | 7.196 | 7.195 |
| 7.309 | 7.309 | 7.298 |
| 7.329 | 7.309 | 7.298 |
| 7.473 | 7.473 | 7.473 |
| 7.514 | 7.514 | 7.493 |
| 7.534 | 7.555 | 7.545 |
| 7.75 | 0 | 7.719 |

| 041219011.D | 041219013.D | 041519002.D |
|---|---|---|
| Trip Blank | Field Blank | Inst blank |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.002 | 10.002 | 10.002 |
| 12.092 | 12.08 | 12.092 |
| 18.396 | 18.39 | 18.396 |
| | | |
| 5.132 | 5.178 | 5.132 |
| 5.178 | 5.163 | 5.178 |
| 5.444 | 5.412 | 5.428 |
| 5.74 | 5.724 | 0 |
| 5.927 | 5.927 | 5.942 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 6.208 | 6.192 | 6.207 |
| 6.192 | 6.192 | 6.223 |
| 6.332 | 6.317 | 6.317 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 6.785 | 6.753 | 0 |
| 6.877 | 6.867 | 6.887 |
| 7.124 | 7.103 | 7.134 |
| 7.113 | 7.093 | 7.113 |
| 7.216 | 7.196 | 7.226 |
| 7.319 | 7.309 | 7.329 |
| 7.319 | 7.319 | 7.329 |
| 7.483 | 7.473 | 7.483 |
| 7.514 | 7.504 | 7.524 |
| 7.565 | 7.545 | 0 |
| 0 | 0 | 0 |

| 041519003.D | 041519005.D | 041519006.D |
|---|---|---|
| 1 ppb | batch blank 1 | Sample 1 |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 9.992 | 9.99 | 10.002 |
| 12.086 | 12.08 | 12.092 |
| 18.387 | 18.39 | 18.39 |
| | | |
| 5.113 | 5.132 | 5.225 |
| 5.162 | 5.132 | 5.225 |
| 5.43 | 5.428 | 5.443 |
| 5.723 | 5.74 | 5.755 |
| 5.931 | 5.927 | 5.942 |
| 5.918 | 0 | 0 |
| 6.065 | 0 | 0 |
| 6.211 | 6.192 | 6.223 |
| 6.26 | 6.208 | 6.223 |
| 6.333 | 6.332 | 6.348 |
| 6.443 | 0 | 0 |
| 6.602 | 0 | 0 |
| 6.626 | 0 | 0 |
| 6.773 | 0 | 0 |
| 6.868 | 6.867 | 6.877 |
| 7.125 | 7.124 | 7.124 |
| 7.094 | 7.103 | 0 |
| 7.207 | 7.206 | 7.216 |
| 7.32 | 7.309 | 7.319 |
| 7.341 | 7.319 | 7.339 |
| 7.474 | 7.473 | 7.483 |
| 7.505 | 7.504 | 7.524 |
| 7.567 | 7.565 | 7.545 |
| 7.71 | 0 | 0 |

| 041519007.D | 041519009.D | 041519011.D |
|---|---|---|
| Sample 1dup | Sample 2 | Sample 3 |
| R.T. | R.T. | R.T. |
| --- | --- | --- |
| 10.002 | 9.99 | 10.014 |
| 12.092 | 12.08 | 12.092 |
| 18.39 | 18.384 | 18.39 |
| | | |
| 5.225 | 5.225 | 5.241 |
| 5.225 | 5.225 | 5.241 |
| 5.428 | 5.412 | 5.443 |
| 5.74 | 5.724 | 5.755 |
| 5.943 | 5.927 | 5.958 |
| 0 | 0 | 5.958 |
| 0 | 0 | 0 |
| 6.208 | 6.192 | 6.223 |
| 6.223 | 6.223 | 6.254 |
| 6.332 | 6.317 | 6.348 |
| 0 | 0 | 0 |
| 6.629 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 6.877 | 6.836 | 6.504 |
| 7.124 | 7.124 | 7.144 |
| 0 | 0 | 7.113 |
| 7.216 | 7.196 | 7.226 |
| 7.319 | 7.309 | 7.329 |
| 7.339 | 7.319 | 7.36 |
| 7.483 | 7.473 | 7.504 |
| 7.514 | 7.504 | 7.524 |
| 7.545 | 7.545 | 7.524 |
| 7.76 | 7.74 | 0 |

| 041519013.D | 041519015.D | 041519017.D |
|---|---|---|
| Sample 4 | Sample 5 | Sample 6 |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.002 | 10.002 | 10.002 |
| 12.08 | 12.092 | 12.08 |
| 18.39 | 18.39 | 18.384 |
| | | |
| 5.225 | 5.225 | 5.225 |
| 5.225 | 5.225 | 5.225 |
| 5.412 | 5.428 | 5.412 |
| 5.74 | 5.74 | 5.74 |
| 5.927 | 5.927 | 5.927 |
| 5.911 | 5.896 | 5.942 |
| 0 | 0 | 0 |
| 6.208 | 6.192 | 6.207 |
| 6.223 | 6.239 | 6.239 |
| 6.332 | 6.332 | 6.332 |
| 0 | 0 | 6.441 |
| 0 | 0 | 0 |
| 0 | 6.629 | 0 |
| 0 | 0 | 0 |
| 6.836 | 6.836 | 6.846 |
| 7.124 | 7.124 | 7.134 |
| 0 | 0 | 7.083 |
| 7.206 | 7.206 | 7.206 |
| 7.309 | 7.309 | 7.308 |
| 7.339 | 7.319 | 7.329 |
| 7.483 | 7.483 | 7.483 |
| 7.514 | 7.504 | 7.504 |
| 7.535 | 7.534 | 7.545 |
| 7.75 | 7.75 | 7.75 |

| 041619002.D | 041619003.D | 041619005.D |
|---|---|---|
| Inst blank | 1 ppb | batch blank 1 |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.002 | 10.003 | 10.002 |
| 12.092 | 12.085 | 12.092 |
| 18.396 | 18.39 | 18.396 |
| | | |
| 5.163 | 5.113 | 5.147 |
| 5.147 | 5.162 | 5.163 |
| 5.397 | 5.418 | 5.412 |
| 0 | 5.723 | 5.724 |
| 5.942 | 5.943 | 5.927 |
| 0 | 5.931 | 0 |
| 0 | 6.077 | 0 |
| 6.192 | 6.211 | 6.208 |
| 0 | 6.26 | 0 |
| 6.332 | 6.333 | 6.332 |
| 0 | 6.455 | 0 |
| 0 | 6.614 | 6.597 |
| 6.192 | 6.639 | 0 |
| 0 | 6.785 | 6.769 |
| 6.888 | 6.889 | 6.867 |
| 7.124 | 7.125 | 7.124 |
| 7.103 | 7.094 | 7.103 |
| 7.226 | 7.218 | 7.216 |
| 7.319 | 7.33 | 7.319 |
| 7.319 | 7.351 | 7.319 |
| 0 | 7.484 | 7.483 |
| 0 | 7.515 | 7.504 |
| 0 | 7.567 | 0 |
| 0 | 7.71 | 0 |

| 041619006.D | 041619007.D | 041619009.D |
|---|---|---|
| Sample 7 | Sample 7dup | Sample 8 |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 9.99 | 9.99 | 9.99 |
| 12.08 | 12.08 | 12.08 |
| 18.384 | 18.39 | 18.39 |
| | | |
| 5.21 | 5.21 | 5.21 |
| 5.225 | 5.21 | 5.225 |
| 5.412 | 5.412 | 5.412 |
| 5.724 | 5.724 | 5.724 |
| 5.911 | 5.927 | 5.927 |
| 5.911 | 5.911 | 0 |
| 0 | 0 | 0 |
| 6.192 | 6.192 | 6.192 |
| 6.239 | 6.223 | 6.239 |
| 6.317 | 6.317 | 6.317 |
| 0 | 0 | 0 |
| 6.582 | 0 | 0 |
| 0 | 0 | 0 |
| 6.769 | 6.753 | 6.769 |
| 6.826 | 6.826 | 6.836 |
| 7.124 | 7.114 | 7.124 |
| 7.072 | 7.073 | 7.072 |
| 7.196 | 7.196 | 7.196 |
| 7.298 | 7.298 | 7.298 |
| 7.309 | 7.319 | 7.309 |
| 7.473 | 7.473 | 7.473 |
| 7.493 | 7.504 | 7.504 |
| 7.534 | 7.535 | 7.524 |
| 7.75 | 7.74 | 7.74 |

| 041619011.D | 041619013.D | 041619015.D |
|---|---|---|
| Sample 9 | Sample 10 | Sample 11 |

| R.T. | R.T. | R.T. |
|---|---|---|
| 10.002 | 10.014 | 10.014 |
| 12.08 | 12.092 | 12.092 |
| 18.39 | 18.396 | 18.396 |
| | | |
| 5.163 | 5.225 | 5.225 |
| 5.194 | 5.225 | 5.21 |
| 5.412 | 5.428 | 5.755 |
| 5.709 | 5.724 | 5.74 |
| 5.927 | 5.942 | 6.208 |
| 5.911 | 5.942 | 0 |
| 0 | 0 | 0 |
| 6.192 | 6.208 | 0 |
| 6.223 | 6.223 | 0 |
| 6.332 | 6.348 | 0 |
| 6.442 | 6.457 | 0 |
| 6.598 | 6.613 | 0 |
| 6.629 | 6.208 | 0 |
| 6.769 | 6.8 | 0 |
| 6.847 | 6.504 | 6.877 |
| 7.114 | 7.134 | 7.144 |
| 7.083 | 7.103 | 7.103 |
| 7.196 | 7.216 | 7.216 |
| 7.309 | 7.329 | 7.319 |
| 7.319 | 7.35 | 7.339 |
| 7.473 | 7.493 | 7.493 |
| 7.504 | 7.524 | 7.524 |
| 7.535 | 7.555 | 7.565 |
| 7.75 | 7.771 | 7.771 |

| 041619017.D | 041719002.D | 041719003.D |
|---|---|---|
| Sample 12 | Inst blank | 1 ppb |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.014 | 10.014 | 10.003 |
| 12.092 | 12.104 | 12.085 |
| 18.396 | 18.402 | 18.391 |
| | | |
| 5.147 | 5.132 | 5.101 |
| 5.163 | 5.163 | 5.162 |
| 5.397 | 5.428 | 5.394 |
| 5.709 | 0 | 5.711 |
| 5.927 | 5.943 | 5.943 |
| 5.943 | 0 | 5.919 |
| 0 | 0 | 6.065 |
| 6.192 | 6.208 | 6.199 |
| 6.208 | 0 | 6.248 |
| 6.332 | 6.348 | 6.321 |
| 0 | 0 | 6.456 |
| 6.613 | 0 | 6.602 |
| 0 | 0 | 6.639 |
| 6.785 | 0 | 6.773 |
| 6.488 | 6.898 | 6.879 |
| 7.134 | 7.144 | 7.125 |
| 7.093 | 7.144 | 7.094 |
| 7.216 | 7.247 | 7.207 |
| 7.319 | 7.339 | 7.32 |
| 7.339 | 7.35 | 7.351 |
| 7.493 | 7.504 | 7.485 |
| 7.524 | 7.534 | 7.515 |
| 7.545 | 0 | 7.567 |
| 7.771 | 0 | 7.71 |

| 041719005.D | 041719006.D | 041719007.D |
|---|---|---|
| batch blank 1 | Sample 13 | Sample 13dup |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.002 | 10.002 | 9.99 |
| 12.08 | 12.08 | 12.08 |
| 18.39 | 18.39 | 18.39 |
| | | |
| 5.116 | 5.147 | 5.132 |
| 5.116 | 5.163 | 5.147 |
| 5.381 | 5.412 | 5.366 |
| 5.724 | 5.709 | 5.693 |
| 5.927 | 5.927 | 5.911 |
| 0 | 5.896 | 5.896 |
| 0 | 0 | 0 |
| 6.192 | 6.176 | 6.176 |
| 6.192 | 6.192 | 6.176 |
| 6.317 | 6.317 | 6.301 |
| 0 | 0 | 0 |
| 0 | 0 | 6.597 |
| 6.192 | 0 | 0 |
| 0 | 6.769 | 6.769 |
| 6.877 | 6.877 | 6.857 |
| 7.113 | 7.113 | 7.113 |
| 7.103 | 0 | 7.072 |
| 7.206 | 7.206 | 7.196 |
| 7.308 | 7.309 | 7.298 |
| 7.319 | 7.329 | 7.319 |
| 7.473 | 7.473 | 7.463 |
| 7.504 | 7.504 | 7.504 |
| 7.565 | 7.545 | 7.524 |
| 0 | 7.76 | 7.75 |

| 041719009.D | 041719011.D | 041719013.D |
|---|---|---|
| Sample 14 | Sample 15 | Sample 16 |

| R.T. | R.T. | R.T. |
|---|---|---|
| --- | --- | --- |
| 10.002 | 10.002 | 10.002 |
| 12.092 | 12.092 | 12.08 |
| 18.39 | 18.396 | 18.39 |
| | | |
| 5.21 | 5.194 | 5.21 |
| 5.21 | 5.194 | 5.21 |
| 5.397 | 5.412 | 5.412 |
| 5.724 | 5.709 | 5.724 |
| 5.927 | 5.927 | 5.927 |
| 5.911 | 5.896 | 5.896 |
| 0 | 0 | 0 |
| 6.192 | 6.192 | 6.192 |
| 6.223 | 6.239 | 6.192 |
| 6.332 | 6.317 | 6.317 |
| 6.442 | 0 | 6.441 |
| 0 | 0 | 0 |
| 6.629 | 6.192 | 6.629 |
| 6.769 | 6.769 | 0 |
| 6.857 | 6.877 | 6.867 |
| 7.124 | 7.124 | 7.124 |
| 7.083 | 7.093 | 7.083 |
| 7.196 | 7.196 | 7.196 |
| 7.309 | 7.308 | 7.308 |
| 7.339 | 7.339 | 7.329 |
| 7.483 | 7.473 | 7.473 |
| 7.514 | 7.514 | 7.504 |
| 7.545 | 7.504 | 7.545 |
| 7.76 | 7.319 | 7.75 |

ABSOLUTE DIFFERENCE FROM MEAN ICAL RTS
Highlighted >2 s diff

| 041219003.D | 041219004.D |
|---|---|
| 1 ppb | Ambient |
| | |
| | |
| | |
| 0.672 | 0.012 |
| 0.176 | 0.476 |
| 0.208 | 0.032 |
| | |
| | |
| 0.72 | 4.86 |
| 1.684 | 2.344 |
| 0.388 | 0.028 |
| 0.192 | 0.252 |
| 1.248 | 0.768 |
| 0.316 | 1.696 |
| 1.248 | 0 |
| 0.492 | 0.912 |
| 0.576 | 3.036 |
| 0.744 | 0.984 |
| 0.6 | 0 |
| 1.056 | 0 |
| 0.708 | 0 |
| 1.152 | 0 |
| 1.572 | 1.032 |
| 0.72 | 1.44 |
| 0.836 | 0.296 |
| 0.908 | 0.968 |
| 1.792 | 1.312 |
| 0.996 | 1.116 |
| 1.112 | 0.572 |
| 1.252 | 0.712 |
| 0.9 | 4.02 |
| 1 | 2.6 |

| 041219006.D | 041219007.D | 041219009.D |
|---|---|---|
| Ambient dup | System blank | Batch Blank 2 |
| 0.012 | 0.012 | 0.792 |
| 0.476 | 0.476 | 0.476 |
| 0.032 | 0.032 | 0.032 |
| 5.82 | 1.14 | 2.04 |
| 2.344 | 1.384 | 1.384 |
| 0.988 | 0.872 | 0.872 |
| 1.212 | 0.252 | 0.252 |
| 0.768 | 0.768 | 1.728 |
| 0.164 | 0 | 0 |
| 0 | 0 | 0 |
| 0.912 | 0.912 | 0.912 |
| 2.976 | 2.976 | 3.936 |
| 0.984 | 0.984 | 0.984 |
| 0 | 0 | 0 |
| 0 | 0.324 | 2.496 |
| 0 | 1.488 | 0 |
| 0 | 0.672 | 1.632 |
| 1.032 | 1.032 | 1.032 |
| 0.18 | 0.78 | 0.84 |
| 0.304 | 0.296 | 0.896 |
| 0.368 | 0.968 | 1.028 |
| 1.252 | 1.252 | 1.912 |
| 1.116 | 2.316 | 2.976 |
| 0.572 | 0.572 | 0.572 |
| 0.112 | 0.112 | 1.372 |
| 2.22 | 0.96 | 1.56 |
| 2 | 0 | 0.14 |

| 041219011.D | 041219013.D | 041519002.D |
|---|---|---|
| Trip Blank | Field Blank | Inst blank |
| 0.012 | 0.012 | 0.012 |
| 0.244 | 0.476 | 0.244 |
| 0.392 | 0.032 | 0.392 |
| 1.14 | 3.9 | 1.14 |
| 0.424 | 0.476 | 0.424 |
| 1.948 | 0.028 | 0.988 |
| 1.212 | 0.252 | 0 |
| 0.768 | 0.768 | 0.132 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.048 | 0.912 | 0.012 |
| 3.936 | 3.936 | 2.076 |
| 0.084 | 0.984 | 0.984 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.288 | 1.632 | 0 |
| 0.432 | 1.032 | 0.168 |
| 0.18 | 1.44 | 0.42 |
| 0.904 | 0.296 | 0.904 |
| 0.232 | 0.968 | 0.832 |
| 0.652 | 1.252 | 0.052 |
| 1.716 | 1.716 | 1.116 |
| 0.028 | 0.572 | 0.028 |
| 0.112 | 0.712 | 0.488 |
| 0.36 | 1.56 | 0 |
| 0 | 0 | 0 |

| 041519003.D | 041519005.D | 041519006.D |
|---|---|---|
| 1 ppb | batch blank 1 | Sample 1 |
| 0.612 | 0.732 | 0.012 |
| 0.116 | 0.476 | 0.244 |
| 0.148 | 0.032 | 0.032 |
| 5.32907E-14 | 1.14 | 6.72 |
| 0.536 | 2.336 | 3.244 |
| 1.108 | 0.988 | 1.888 |
| 0.192 | 1.212 | 2.112 |
| 0.528 | 0.768 | 0.132 |
| 0.376 | 0 | 0 |
| 0.528 | 0 | 0 |
| 0.228 | 0.912 | 0.948 |
| 0.144 | 2.976 | 2.076 |
| 0.024 | 0.084 | 0.876 |
| 0.6 | 0 | 0 |
| 0.336 | 0 | 0 |
| 0.708 | 0 | 0 |
| 0.432 | 0 | 0 |
| 0.972 | 1.032 | 0.432 |
| 0.12 | 0.18 | 0.18 |
| 0.236 | 0.304 | 0 |
| 0.308 | 0.368 | 0.232 |
| 0.592 | 1.252 | 0.652 |
| 0.396 | 1.716 | 0.516 |
| 0.512 | 0.572 | 0.028 |
| 0.652 | 0.712 | 0.488 |
| 0.24 | 0.36 | 1.56 |
| 0.4 | 0 | 0 |

| 041519007.D | 041519009.D | 041519011.D |
|---|---|---|
| Sample 1dup | Sample 2 | Sample 3 |
| 0.012 | 0.732 | 0.708 |
| 0.244 | 0.476 | 0.244 |
| 0.032 | 0.328 | 0.032 |
| 6.72 | 6.72 | 7.68 |
| 3.244 | 3.244 | 4.204 |
| 0.988 | 0.028 | 1.888 |
| 1.212 | 0.252 | 2.112 |
| 0.192 | 0.768 | 1.092 |
| 0 | 0 | 2.024 |
| 0 | 0 | 0 |
| 0.048 | 0.912 | 0.948 |
| 2.076 | 2.076 | 0.216 |
| 0.084 | 0.984 | 0.876 |
| 0 | 0 | 0 |
| 1.284 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.432 | 2.892 | 22.812 |
| 0.18 | 0.18 | 1.02 |
| 0 | 0 | 0.904 |
| 0.232 | 0.968 | 0.832 |
| 0.652 | 1.252 | 0.052 |
| 0.516 | 1.716 | 0.744 |
| 0.028 | 0.572 | 1.288 |
| 0.112 | 0.712 | 0.488 |
| 1.56 | 1.56 | 2.82 |
| 2.6 | 1.4 | 0 |

| 041519013.D | 041519015.D | 041519017.D |
|---|---|---|
| Sample 4 | Sample 5 | Sample 6 |
| 0.012 | 0.012 | 0.012 |
| 0.476 | 0.244 | 0.476 |
| 0.032 | 0.032 | 0.328 |
| 6.72 | 6.72 | 6.72 |
| 3.244 | 3.244 | 3.244 |
| 0.028 | 0.988 | 0.028 |
| 1.212 | 1.212 | 1.212 |
| 0.768 | 0.768 | 0.768 |
| 0.796 | 1.696 | 1.064 |
| 0 | 0 | 0 |
| 0.048 | 0.912 | 0.012 |
| 2.076 | 1.116 | 1.116 |
| 0.084 | 0.084 | 0.084 |
| 0 | 0 | 0.72 |
| 0 | 0 | 0 |
| 0 | 0.528 | 0 |
| 0 | 0 | 0 |
| 2.892 | 2.892 | 2.292 |
| 0.18 | 0.18 | 0.42 |
| 0 | 0 | 0.896 |
| 0.368 | 0.368 | 0.368 |
| 1.252 | 1.252 | 1.312 |
| 0.516 | 1.716 | 1.116 |
| 0.028 | 0.028 | 0.028 |
| 0.112 | 0.712 | 0.712 |
| 2.16 | 2.22 | 1.56 |
| 2 | 2 | 2 |

| 041619002.D | 041619003.D | 041619005.D |
|---|---|---|
| Inst blank | 1 ppb | batch blank 1 |
| 0.012 | 0.048 | 0.012 |
| 0.244 | 0.176 | 0.244 |
| 0.392 | 0.032 | 0.392 |
| 3 | 5.32907E-14 | 2.04 |
| 1.436 | 0.536 | 0.476 |
| 0.872 | 0.388 | 0.028 |
| 0 | 0.192 | 0.252 |
| 0.132 | 0.192 | 0.768 |
| 0 | 0.404 | 0 |
| 0 | 0.192 | 0 |
| 0.912 | 0.228 | 0.048 |
| 0 | 0.144 | 0 |
| 0.084 | 0.024 | 0.084 |
| 0 | 0.12 | 0 |
| 0 | 0.384 | 0.636 |
| 26.748 | 0.072 | 0 |
| 0 | 0.288 | 0.672 |
| 0.228 | 0.288 | 1.032 |
| 0.18 | 0.12 | 0.18 |
| 0.304 | 0.236 | 0.304 |
| 0.832 | 0.352 | 0.232 |
| 0.652 | 0.008 | 0.652 |
| 1.716 | 0.204 | 1.716 |
| 0 | 0.088 | 0.028 |
| 0 | 0.052 | 0.712 |
| 0 | 0.24 | 0 |
| 0 | 0.4 | 0 |

| 041619006.D | 041619007.D | 041619009.D |
|---|---|---|
| Sample 7 | Sample 7dup | Sample 8 |
| 0.732 | 0.732 | 0.732 |
| 0.476 | 0.476 | 0.476 |
| 0.328 | 0.032 | 0.032 |
| 5.82 | 5.82 | 5.82 |
| 3.244 | 2.344 | 3.244 |
| 0.028 | 0.028 | 0.028 |
| 0.252 | 0.252 | 0.252 |
| 1.728 | 0.768 | 0.768 |
| 0.796 | 0.796 | 0 |
| 0 | 0 | 0 |
| 0.912 | 0.912 | 0.912 |
| 1.116 | 2.076 | 1.116 |
| 0.984 | 0.984 | 0.984 |
| 0 | 0 | 0 |
| 1.536 | 0 | 0 |
| 0 | 0 | 0 |
| 0.672 | 1.632 | 0.672 |
| 3.492 | 3.492 | 2.892 |
| 0.18 | 0.78 | 0.18 |
| 1.556 | 1.496 | 1.556 |
| 0.968 | 0.968 | 0.968 |
| 1.912 | 1.912 | 1.912 |
| 2.316 | 1.716 | 2.316 |
| 0.572 | 0.572 | 0.572 |
| 1.372 | 0.712 | 0.712 |
| 2.22 | 2.16 | 2.82 |
| 2 | 1.4 | 1.4 |

| 041619011.D | 041619013.D | 041619015.D |
|---|---|---|
| Sample 9 | Sample 10 | Sample 11 |
| 0.012 | 0.708 | 0.708 |
| 0.476 | 0.244 | 0.244 |
| 0.032 | 0.392 | 0.392 |
| 3 | 6.72 | 6.72 |
| 1.384 | 3.244 | 2.344 |
| 0.028 | 0.988 | 20.608 |
| 0.648 | 0.252 | 1.212 |
| 0.768 | 0.132 | 16.092 |
| 0.796 | 1.064 | 0 |
| 0 | 0 | 0 |
| 0.912 | 0.048 | 0 |
| 2.076 | 2.076 | 0 |
| 0.084 | 0.876 | 0 |
| 0.66 | 0.24 | 0 |
| 0.576 | 0.324 | 0 |
| 0.528 | 25.788 | 0 |
| 0.672 | 1.188 | 0 |
| 2.232 | 22.812 | 0.432 |
| 0.78 | 0.42 | 1.02 |
| 0.896 | 0.304 | 0.304 |
| 0.968 | 0.232 | 0.232 |
| 1.252 | 0.052 | 0.652 |
| 1.716 | 0.144 | 0.516 |
| 0.572 | 0.628 | 0.628 |
| 0.712 | 0.488 | 0.488 |
| 2.16 | 0.96 | 0.36 |
| 2 | 3.26 | 3.26 |

| 041619017.D | 041719002.D | 041719003.D |
|---|---|---|
| Sample 12 | Inst blank | 1 ppb |
| | | |
| | | |
| | | |
| 0.708 | 0.708 | 0.048 |
| 0.244 | 0.964 | 0.176 |
| 0.392 | 0.752 | 0.092 |
| | | |
| | | |
| 2.04 | 1.14 | 0.72 |
| 0.476 | 0.476 | 0.536 |
| 0.872 | 0.988 | 1.052 |
| 0.648 | 0 | 0.528 |
| 0.768 | 0.192 | 0.192 |
| 1.124 | 0 | 0.316 |
| 0 | 0 | 0.528 |
| 0.912 | 0.048 | 0.492 |
| 2.976 | 0 | 0.576 |
| 0.084 | 0.876 | 0.744 |
| 0 | 0 | 0.18 |
| 0.324 | 0 | 0.336 |
| 0 | 0 | 0.072 |
| 0.288 | 0 | 0.432 |
| 23.772 | 0.828 | 0.312 |
| 0.42 | 1.02 | 0.12 |
| 0.296 | 2.764 | 0.236 |
| 0.232 | 2.092 | 0.308 |
| 0.652 | 0.548 | 0.592 |
| 0.516 | 0.144 | 0.204 |
| 0.628 | 1.288 | 0.148 |
| 0.488 | 1.088 | 0.052 |
| 1.56 | 0 | 0.24 |
| 3.26 | 0 | 0.4 |

| 041719005.D | 041719006.D | 041719007.D |
|---|---|---|
| batch blank 1 | Sample 13 | Sample 13dup |
| 0.012 | 0.012 | 0.732 |
| 0.476 | 0.476 | 0.476 |
| 0.032 | 0.032 | 0.032 |
| 0.18 | 2.04 | 1.14 |
| 3.296 | 0.476 | 1.436 |
| 1.832 | 0.028 | 2.732 |
| 0.252 | 0.648 | 1.608 |
| 0.768 | 0.768 | 1.728 |
| 0 | 1.696 | 1.696 |
| 0 | 0 | 0 |
| 0.912 | 1.872 | 1.872 |
| 3.936 | 3.936 | 4.896 |
| 0.984 | 0.984 | 1.944 |
| 0 | 0 | 0 |
| 0 | 0 | 0.636 |
| 26.748 | 0 | 0 |
| 0 | 0.672 | 0.672 |
| 0.432 | 0.432 | 1.632 |
| 0.84 | 0.84 | 0.84 |
| 0.304 | 0 | 1.556 |
| 0.368 | 0.368 | 0.968 |
| 1.312 | 1.252 | 1.912 |
| 1.716 | 1.116 | 1.716 |
| 0.572 | 0.572 | 1.172 |
| 0.712 | 0.712 | 0.712 |
| 0.36 | 1.56 | 2.82 |
| 0 | 2.6 | 2 |

| 041719009.D | 041719011.D | 041719013.D |
|---|---|---|
| Sample 14 | Sample 15 | Sample 16 |
| 0.012 | 0.012 | 0.012 |
| 0.244 | 0.244 | 0.476 |
| 0.032 | 0.392 | 0.032 |
| 5.82 | 4.86 | 5.82 |
| 2.344 | 1.384 | 2.344 |
| 0.872 | 0.028 | 0.028 |
| 0.252 | 0.648 | 0.252 |
| 0.768 | 0.768 | 0.768 |
| 0.796 | 1.696 | 1.696 |
| 0 | 0 | 0 |
| 0.912 | 0.912 | 0.912 |
| 2.076 | 1.116 | 3.936 |
| 0.084 | 0.984 | 0.984 |
| 0.66 | 0 | 0.72 |
| 0 | 0 | 0 |
| 0.528 | 26.748 | 0.528 |
| 0.672 | 0.672 | 0 |
| 1.632 | 0.432 | 1.032 |
| 0.18 | 0.18 | 0.18 |
| 0.896 | 0.296 | 0.896 |
| 0.968 | 0.968 | 0.968 |
| 1.252 | 1.312 | 1.312 |
| 0.516 | 0.516 | 1.116 |
| 0.028 | 0.572 | 0.572 |
| 0.112 | 0.112 | 0.712 |
| 1.56 | 4.02 | 1.56 |
| 2.6 | 23.86 | 2 |

| | |
|---|---|
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68] | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |
| 73] | Methyl Methacrylate |

7.757666667
7.8558
7.877066667
8.027866667
8.014133333
8.0046
8.093533333
8.188333333
8.299266667
8.392466667
8.452933333
8.8814
9.123133333
9.122333333
9.062066667
9.1

9.198
9.4092
9.5664
9.58
9.706066667
9.830533333
9.9958
10.01133333
10.0112
10.1186
10.538
10.54253333
10.8954
10.88666667
10.92053333
11.16573333
11.6862
11.87006667
12.01573333
12.16773333
12.28146667
12.37853333
12.48846667
12.68753333
12.668
12.93793333
13.05053333
13.0008
13.02146667
13.24333333

| | |
|---|---|
| 7.741 | 7.75 |
| 7.837 | 7.846 |
| 7.869 | 7.868 |
| 8.009 | 8.018 |
| 7.998 | 8.008 |
| 7.988 | 0 |
| 8.084 | 8.083 |
| 8.17 | 8.18 |
| 8.289 | 8.287 |
| 8.385 | 8.395 |
| 8.439 | 8.438 |
| 8.868 | 8.867 |
| 9.112 | 9.147 |
| 9.1 | 0 |
| 9.051 | 0 |
| 9.088 | 9.099 |
| 9.1 | 9.147 |
| 9.186 | 0 |
| 9.405 | 9.404 |
| 9.564 | 9.55 |
| 9.576 | 0 |
| 9.698 | 9.697 |
| 9.82 | 0 |
| 9.991 | 10.002 |
| 10.016 | 10.014 |
| 10.003 | 10.002 |
| 10.113 | 10.112 |
| 10.534 | 10.541 |
| 10.542 | 0 |
| 10.893 | 10.909 |
| 10.885 | 10.874 |
| 10.919 | 10.926 |
| 11.167 | 11.174 |
| 11.682 | 11.689 |
| 11.865 | 11.872 |
| 12.024 | 0 |
| 12.17 | 12.165 |
| 12.28 | 0 |
| 12.378 | 0 |
| 12.488 | 12.483 |
| 12.683 | 0 |
| 12.671 | 0 |
| 12.939 | 12.946 |
| 13.037 | 0 |
| 13 | 13.007 |
| 13.025 | 13.032 |
| 13.232 | 0 |

| | | |
|---|---|---|
| 7.75 | 7.75 | 7.74 |
| 7.846 | 7.846 | 7.835 |
| 7.868 | 7.868 | 7.857 |
| 8.018 | 8.018 | 8.007 |
| 8.018 | 8.008 | 8.007 |
| 0 | 8.363 | 0 |
| 8.094 | 8.094 | 8.083 |
| 8.201 | 8.19 | 8.18 |
| 8.298 | 8.287 | 8.287 |
| 8.384 | 8.384 | 8.384 |
| 8.459 | 8.449 | 8.438 |
| 8.879 | 8.879 | 8.867 |
| 9.16 | 9.16 | 9.147 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 9.111 | 9.099 | 9.086 |
| 9.148 | 9.148 | 9.135 |
| 0 | 0 | 0 |
| 9.404 | 9.392 | 9.404 |
| 0 | 9.563 | 9.55 |
| 0 | 9.55 | 9.562 |
| 9.709 | 9.709 | 0 |
| 0 | 0 | 0 |
| 10.014 | 10.014 | 0 |
| 10.014 | 10.014 | 0 |
| 0 | 10.014 | 10.002 |
| 10.124 | 10.124 | 10.099 |
| 10.541 | 10.541 | 10.532 |
| 0 | 0 | 0 |
| 10.917 | 10.9 | 0 |
| 10.883 | 10.892 | 10.883 |
| 10.917 | 10.917 | 0 |
| 11.174 | 0 | 0 |
| 11.677 | 11.689 | 11.689 |
| 11.872 | 11.86 | 11.872 |
| 0 | 0 | 0 |
| 12.165 | 12.153 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.483 | 12.483 | 12.458 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.946 | 12.946 | 12.934 |
| 0 | 0 | 0 |
| 12.995 | 12.995 | 12.995 |
| 13.02 | 13.02 | 13.019 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 7.75 | 7.75 | 0 |
| 7.868 | 7.857 | 7.857 |
| 7.889 | 7.868 | 7.878 |
| 8.018 | 8.018 | 8.029 |
| 8.018 | 8.018 | 8.018 |
| 0 | 0 | 0 |
| 8.104 | 8.094 | 8.104 |
| 8.19 | 8.19 | 8.201 |
| 8.309 | 8.309 | 8.298 |
| 8.395 | 8.384 | 8.395 |
| 8.459 | 8.448 | 8.448 |
| 8.879 | 8.879 | 8.879 |
| 9.16 | 9.148 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 9.111 | 9.099 | 9.099 |
| 9.148 | 9.148 | 9.147 |
| 0 | 9.184 | 0 |
| 9.416 | 9.416 | 9.416 |
| 9.575 | 9.55 | 9.575 |
| 0 | 9.575 | 9.575 |
| 0 | 9.697 | 0 |
| 0 | 0 | 0 |
| 0 | 10.014 | 0 |
| 0 | 10.014 | 0 |
| 10.014 | 10.002 | 10.002 |
| 10.124 | 10.124 | 0 |
| 10.549 | 10.541 | 10.549 |
| 0 | 0 | 0 |
| 0 | 10.874 | 0 |
| 10.883 | 10.874 | 10.892 |
| 10.917 | 10.917 | 0 |
| 0 | 0 | 0 |
| 11.677 | 11.689 | 11.689 |
| 11.885 | 11.86 | 11.872 |
| 0 | 0 | 0 |
| 0 | 12.165 | 0 |
| 0 | 12.275 | 0 |
| 0 | 0 | 0 |
| 0 | 12.483 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.946 | 12.946 | 12.946 |
| 0 | 0 | 0 |
| 12.995 | 13.007 | 13.019 |
| 13.02 | 13.007 | 13.032 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 7.751 | 7.75 | 7.76 |
| 7.848 | 7.846 | 7.857 |
| 7.869 | 7.868 | 7.879 |
| 8.02 | 8.019 | 8.029 |
| 8.009 | 8.008 | 8.018 |
| 7.998 | 0 | 0 |
| 8.084 | 8.083 | 8.094 |
| 8.181 | 8.18 | 8.18 |
| 8.289 | 8.287 | 8.298 |
| 8.385 | 8.384 | 8.395 |
| 8.45 | 8.438 | 8.459 |
| 8.87 | 8.879 | 8.879 |
| 9.114 | 9.148 | 0 |
| 9.114 | 0 | 0 |
| 9.053 | 0 | 0 |
| 9.089 | 9.099 | 0 |
| 9.114 | 9.136 | 9.148 |
| 9.187 | 0 | 9.196 |
| 9.407 | 9.404 | 9.416 |
| 9.565 | 9.55 | 9.575 |
| 9.578 | 9.575 | 9.575 |
| 9.7 | 9.709 | 9.709 |
| 9.822 | 0 | 0 |
| 9.992 | 0 | 10.002 |
| 10.005 | 0 | 10.014 |
| 10.005 | 10.014 | 0 |
| 10.114 | 10.112 | 10.112 |
| 10.535 | 10.532 | 0 |
| 10.535 | 0 | 0 |
| 10.894 | 0 | 10.926 |
| 10.877 | 10.883 | 10.892 |
| 10.912 | 10.917 | 10.926 |
| 11.16 | 0 | 11.165 |
| 11.684 | 11.677 | 11.689 |
| 11.867 | 11.873 | 11.872 |
| 12.013 | 0 | 0 |
| 12.16 | 0 | 12.177 |
| 12.282 | 0 | 12.287 |
| 12.379 | 0 | 0 |
| 12.489 | 0 | 12.495 |
| 12.684 | 0 | 0 |
| 12.66 | 0 | 0 |
| 12.941 | 0 | 12.946 |
| 13.038 | 0 | 0 |
| 12.989 | 12.983 | 13.007 |
| 13.014 | 13.032 | 13.02 |
| 13.234 | 0 | 0 |

| | | |
|---|---|---|
| 7.76 | 7.75 | 7.771 |
| 7.857 | 7.836 | 7.868 |
| 7.879 | 7.857 | 7.889 |
| 8.018 | 8.018 | 8.051 |
| 8.018 | 8.008 | 8.029 |
| 0 | 8.362 | 0 |
| 8.094 | 8.083 | 8.104 |
| 8.19 | 8.18 | 0 |
| 8.298 | 8.287 | 8.319 |
| 8.395 | 8.384 | 8.405 |
| 8.449 | 8.448 | 8.459 |
| 8.879 | 8.867 | 8.891 |
| 0 | 9.184 | 0 |
| 9.196 | 9.184 | 0 |
| 0 | 0 | 0 |
| 9.099 | 9.087 | 9.111 |
| 9.148 | 9.184 | 0 |
| 9.196 | 9.184 | 9.209 |
| 9.404 | 9.404 | 9.428 |
| 9.563 | 9.55 | 9.575 |
| 9.55 | 9.562 | 9.587 |
| 9.709 | 9.697 | 0 |
| 0 | 0 | 0 |
| 10.002 | 9.99 | 10.014 |
| 10.014 | 10.002 | 10.026 |
| 0 | 10.002 | 10.026 |
| 10.112 | 10.112 | 10.124 |
| 0 | 10.541 | 10.549 |
| 0 | 10.558 | 0 |
| 10.926 | 10.917 | 10.934 |
| 10.883 | 10.883 | 10.892 |
| 10.926 | 10.917 | 10.934 |
| 11.166 | 11.14 | 11.183 |
| 11.689 | 11.677 | 11.689 |
| 11.872 | 11.86 | 11.885 |
| 0 | 0 | 0 |
| 12.165 | 12.165 | 12.177 |
| 12.275 | 12.275 | 12.287 |
| 0 | 0 | 0 |
| 12.495 | 12.483 | 12.495 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.934 | 12.934 | 12.946 |
| 0 | 0 | 0 |
| 13.007 | 12.983 | 13.007 |
| 13.02 | 13.007 | 13.032 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 7.75 | 7.75 | 7.75 |
| 7.846 | 7.846 | 7.846 |
| 7.879 | 7.879 | 7.868 |
| 8.029 | 8.018 | 8.018 |
| 8.008 | 8.018 | 8.008 |
| 0 | 0 | 0 |
| 8.094 | 8.094 | 8.083 |
| 8.191 | 0 | 8.18 |
| 8.298 | 8.298 | 8.298 |
| 8.384 | 8.384 | 8.384 |
| 8.449 | 8.438 | 8.448 |
| 8.879 | 0 | 8.867 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 8.977 | 0 |
| 9.099 | 9.087 | 0 |
| 9.184 | 0 | 0 |
| 9.197 | 9.196 | 9.184 |
| 9.404 | 9.404 | 9.404 |
| 9.55 | 9.55 | 9.55 |
| 9.184 | 9.575 | 9.55 |
| 10.002 | 9.697 | 9.697 |
| 10.002 | 0 | 0 |
| 9.99 | 9.99 | 10.002 |
| 10.002 | 10.002 | 10.002 |
| 10.002 | 10.002 | 10.002 |
| 10.112 | 10.112 | 10.112 |
| 10.185 | 10.541 | 10.541 |
| 0 | 10.566 | 0 |
| 0 | 10.917 | 10.917 |
| 0 | 10.892 | 10.883 |
| 10.917 | 10.917 | 10.917 |
| 11.166 | 11.166 | 11.157 |
| 11.677 | 11.689 | 11.689 |
| 11.86 | 11.872 | 11.872 |
| 0 | 0 | 0 |
| 12.165 | 12.165 | 12.165 |
| 12.275 | 12.275 | 12.275 |
| 12.08 | 12.08 | 0 |
| 12.483 | 12.483 | 12.483 |
| 12.495 | 0 | 0 |
| 0 | 0 | 0 |
| 12.934 | 12.922 | 12.934 |
| 0 | 0 | 0 |
| 12.995 | 12.995 | 12.995 |
| 13.02 | 13.02 | 13.019 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 7.76 | 7.751 | 7.75 |
| 7.857 | 7.858 | 7.846 |
| 7.889 | 7.88 | 7.868 |
| 8.029 | 8.031 | 8.018 |
| 8.018 | 8.009 | 8.018 |
| 0 | 8.009 | 0 |
| 0 | 8.095 | 8.094 |
| 0 | 8.192 | 8.18 |
| 8.298 | 8.299 | 8.298 |
| 8.384 | 8.396 | 8.384 |
| 8.448 | 8.45 | 8.449 |
| 8.879 | 8.88 | 8.879 |
| 0 | 9.125 | 9.16 |
| 0 | 9.125 | 0 |
| 0 | 9.064 | 0 |
| 9.099 | 9.1 | 0 |
| 9.135 | 9.112 | 9.135 |
| 0 | 9.198 | 0 |
| 9.416 | 9.405 | 9.404 |
| 9.562 | 9.564 | 9.563 |
| 0 | 9.576 | 0 |
| 0 | 9.71 | 0 |
| 0 | 9.832 | 9.819 |
| 0 | 9.991 | 0 |
| 0 | 9.588 | 0 |
| 10.002 | 10.015 | 10.002 |
| 0 | 10.113 | 10.124 |
| 10.549 | 10.542 | 10.549 |
| 0 | 10.542 | 0 |
| 0 | 10.893 | 0 |
| 0 | 10.884 | 0 |
| 10.926 | 10.919 | 0 |
| 0 | 11.158 | 0 |
| 11.689 | 11.682 | 11.689 |
| 11.86 | 11.865 | 11.873 |
| 0 | 12.012 | 0 |
| 0 | 12.17 | 0 |
| 0 | 12.28 | 0 |
| 0 | 12.378 | 0 |
| 0 | 12.488 | 12.47 |
| 0 | 12.683 | 0 |
| 0 | 12.671 | 0 |
| 12.946 | 12.939 | 0 |
| 0 | 13.037 | 0 |
| 0 | 13 | 13.032 |
| 13.032 | 13.012 | 13.02 |
| 0 | 13.232 | 0 |

| | | |
|---|---|---|
| 7.74 | 7.74 | 7.75 |
| 7.846 | 7.836 | 7.846 |
| 7.868 | 7.868 | 7.868 |
| 8.008 | 8.008 | 8.008 |
| 7.997 | 8.008 | 8.008 |
| 0 | 0 | 0 |
| 8.083 | 8.083 | 8.083 |
| 8.18 | 8.169 | 8.158 |
| 8.287 | 8.287 | 8.287 |
| 8.373 | 8.384 | 8.384 |
| 8.438 | 8.449 | 8.448 |
| 8.867 | 8.867 | 8.867 |
| 0 | 0 | 0 |
| 9.184 | 9.184 | 9.184 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 9.135 | 9.136 | 9.135 |
| 9.184 | 9.184 | 9.184 |
| 9.392 | 9.392 | 9.392 |
| 9.538 | 9.55 | 9.55 |
| 9.55 | 9.55 | 9.55 |
| 9.684 | 9.685 | 9.685 |
| 0 | 0 | 0 |
| 9.99 | 9.99 | 9.99 |
| 10.002 | 10.002 | 10.002 |
| 9.99 | 10.002 | 10.002 |
| 10.099 | 10.112 | 10.112 |
| 10.523 | 10.532 | 10.541 |
| 0 | 0 | 10.506 |
| 10.917 | 10.909 | 10.917 |
| 10.874 | 10.875 | 10.874 |
| 10.909 | 10.909 | 10.917 |
| 11.166 | 11.166 | 11.157 |
| 11.677 | 11.677 | 11.677 |
| 11.86 | 11.86 | 11.872 |
| 12.007 | 12.007 | 0 |
| 12.153 | 12.153 | 12.165 |
| 12.275 | 12.275 | 12.275 |
| 0 | 0 | 0 |
| 12.483 | 12.483 | 12.483 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.934 | 12.922 | 12.922 |
| 0 | 0 | 0 |
| 12.995 | 12.995 | 12.995 |
| 13.007 | 13.02 | 13.02 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 7.75 | 7.771 | 7.771 |
| 7.846 | 7.868 | 7.868 |
| 7.868 | 7.889 | 7.889 |
| 8.018 | 8.04 | 8.04 |
| 8.018 | 8.029 | 8.029 |
| 0 | 0 | 0 |
| 8.083 | 8.104 | 8.104 |
| 8.18 | 8.201 | 8.201 |
| 8.298 | 8.309 | 8.319 |
| 8.384 | 8.405 | 8.405 |
| 8.449 | 8.47 | 8.47 |
| 8.879 | 8.879 | 8.891 |
| 0 | 0 | 0 |
| 9.184 | 0 | 9.209 |
| 0 | 0 | 0 |
| 0 | 9.123 | 0 |
| 9.135 | 9.16 | 9.16 |
| 9.184 | 9.209 | 9.209 |
| 9.404 | 9.416 | 9.416 |
| 9.55 | 9.562 | 9.575 |
| 9.55 | 9.562 | 9.575 |
| 9.685 | 9.709 | 9.697 |
| 0 | 0 | 0 |
| 10.002 | 10.014 | 10.014 |
| 10.002 | 10.026 | 10.026 |
| 10.002 | 9.562 | 0 |
| 10.112 | 10.136 | 10.136 |
| 10.532 | 10.558 | 10.558 |
| 10.524 | 0 | 10.532 |
| 10.926 | 10.934 | 10.943 |
| 10.875 | 10.892 | 10.9 |
| 10.917 | 10.934 | 10.926 |
| 11.157 | 11.174 | 11.174 |
| 11.677 | 11.689 | 11.702 |
| 11.86 | 11.872 | 11.872 |
| 11.995 | 0 | 0 |
| 12.19 | 12.177 | 12.178 |
| 12.275 | 12.287 | 12.287 |
| 0 | 0 | 0 |
| 12.483 | 12.495 | 12.495 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.934 | 12.958 | 12.959 |
| 0 | 0 | 0 |
| 12.995 | 13.007 | 13.007 |
| 13.02 | 13.032 | 13.02 |
| 0 | 13.178 | 0 |

| | | |
|---|---|---|
| 7.76 | 7.771 | 7.752 |
| 7.857 | 7.868 | 7.848 |
| 7.879 | 7.911 | 7.88 |
| 8.04 | 8.04 | 8.031 |
| 8.029 | 8.04 | 8.009 |
| 0 | 0 | 7.998 |
| 8.104 | 8.104 | 8.095 |
| 8.19 | 8.212 | 8.192 |
| 8.309 | 8.319 | 8.299 |
| 8.405 | 8.416 | 8.396 |
| 8.47 | 0 | 8.45 |
| 8.891 | 8.903 | 8.881 |
| 0 | 0 | 9.125 |
| 0 | 0 | 9.125 |
| 0 | 0 | 9.064 |
| 9.111 | 9.123 | 9.1 |
| 9.16 | 9.16 | 9.112 |
| 9.209 | 0 | 9.198 |
| 9.416 | 9.44 | 9.405 |
| 9.563 | 9.575 | 9.564 |
| 9.563 | 0 | 9.576 |
| 9.697 | 0 | 9.71 |
| 0 | 0 | 9.832 |
| 10.014 | 0 | 9.991 |
| 10.026 | 0 | 10.016 |
| 0 | 10.026 | 10.016 |
| 10.124 | 0 | 10.113 |
| 0 | 10.566 | 10.534 |
| 0 | 0 | 10.542 |
| 10.934 | 0 | 10.893 |
| 10.892 | 10.909 | 10.885 |
| 10.926 | 10.934 | 10.919 |
| 11.183 | 0 | 11.158 |
| 11.689 | 11.702 | 11.682 |
| 11.872 | 11.872 | 11.865 |
| 0 | 0 | 12.012 |
| 12.165 | 0 | 12.158 |
| 12.275 | 0 | 12.28 |
| 0 | 0 | 12.378 |
| 12.483 | 0 | 12.488 |
| 0 | 0 | 12.683 |
| 0 | 0 | 12.659 |
| 12.934 | 12.971 | 12.939 |
| 13.068 | 0 | 13.037 |
| 13.007 | 13.007 | 13 |
| 13.032 | 13.032 | 13.012 |
| 0 | 0 | 13.232 |

| | | |
|---|---|---|
| 7.75 | 7.75 | 7.74 |
| 7.846 | 7.846 | 7.846 |
| 7.878 | 7.868 | 7.857 |
| 8.029 | 8.018 | 8.008 |
| 8.018 | 8.018 | 8.008 |
| 0 | 8.008 | 8.008 |
| 8.094 | 8.094 | 8.083 |
| 8.562 | 8.18 | 8.169 |
| 8.298 | 8.298 | 8.287 |
| 8.384 | 8.384 | 8.384 |
| 8.438 | 8.448 | 8.438 |
| 8.879 | 8.879 | 8.867 |
| 0 | 9.148 | 9.135 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 9.099 | 9.099 | 0 |
| 9.147 | 9.148 | 9.135 |
| 0 | 9.196 | 0 |
| 9.404 | 9.404 | 9.404 |
| 9.538 | 9.538 | 9.55 |
| 0 | 0 | 0 |
| 0 | 9.709 | 9.697 |
| 0 | 0 | 0 |
| 10.014 | 10.002 | 10.002 |
| 10.002 | 10.014 | 10.002 |
| 10.014 | 0 | 0 |
| 10.112 | 10.124 | 10.112 |
| 10.541 | 10.549 | 10.541 |
| 0 | 0 | 0 |
| 0 | 10.926 | 10.909 |
| 10.892 | 10.892 | 10.883 |
| 10.917 | 10.917 | 10.909 |
| 11.148 | 11.166 | 11.166 |
| 11.677 | 11.677 | 11.665 |
| 11.86 | 11.86 | 11.86 |
| 0 | 0 | 0 |
| 0 | 12.165 | 12.153 |
| 0 | 12.275 | 12.275 |
| 0 | 0 | 0 |
| 12.483 | 12.483 | 12.483 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.934 | 12.922 | 12.934 |
| 0 | 0 | 0 |
| 12.983 | 12.995 | 12.995 |
| 13.019 | 13.007 | 13.007 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 7.75 | 7.75 | 7.75 |
| 7.857 | 7.846 | 7.846 |
| 7.879 | 7.878 | 7.868 |
| 8.018 | 8.029 | 8.018 |
| 8.018 | 8.018 | 8.018 |
| 8.008 | 8.373 | 0 |
| 8.094 | 8.083 | 8.083 |
| 8.18 | 8.19 | 8.18 |
| 8.298 | 8.298 | 8.298 |
| 8.395 | 8.395 | 8.384 |
| 8.449 | 8.448 | 8.459 |
| 8.879 | 8.879 | 8.879 |
| 9.16 | 9.147 | 9.148 |
| 9.196 | 0 | 0 |
| 0 | 0 | 0 |
| 9.111 | 9.099 | 9.099 |
| 9.148 | 9.147 | 9.148 |
| 9.196 | 9.196 | 9.196 |
| 9.416 | 9.416 | 9.404 |
| 9.575 | 9.562 | 9.562 |
| 9.575 | 9.575 | 9.55 |
| 9.709 | 9.709 | 9.697 |
| 0 | 0 | 0 |
| 10.014 | 10.014 | 10.002 |
| 10.014 | 10.014 | 10.014 |
| 10.014 | 0 | 0 |
| 10.112 | 10.124 | 10.112 |
| 10.541 | 10.549 | 10.541 |
| 0 | 0 | 0 |
| 10.9 | 10.892 | 10.9 |
| 10.892 | 10.892 | 10.883 |
| 10.926 | 10.917 | 10.917 |
| 11.157 | 11.157 | 11.148 |
| 11.689 | 11.689 | 11.677 |
| 11.873 | 11.872 | 11.86 |
| 0 | 0 | 0 |
| 12.165 | 12.177 | 12.165 |
| 12.287 | 12.275 | 12.275 |
| 0 | 0 | 12.385 |
| 12.495 | 12.495 | 12.483 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 12.946 | 12.946 | 12.934 |
| 0 | 0 | 0 |
| 13.007 | 12.995 | 12.995 |
| 13.02 | 13.032 | 13.02 |
| 0 | 0 | 0 |

| | |
|---|---|
| 1 | 0.46 |
| 1.128 | 0.588 |
| 0.484 | 0.544 |
| 1.132 | 0.592 |
| 0.968 | 0.368 |
| 0.996 | 0 |
| 0.572 | 0.632 |
| 1.1 | 0.5 |
| 0.616 | 0.736 |
| 0.448 | 0.152 |
| 0.836 | 0.896 |
| 0.804 | 0.864 |
| 0.668 | 1.432 |
| 1.34 | 0 |
| 0.664 | 0 |
| 0.72 | 0.06 |
| | |
| 0.72 | 0 |
| 0.252 | 0.312 |
| 0.144 | 0.984 |
| 0.24 | 0 |
| 0.484 | 0.544 |
| 0.632 | 0 |
| 0.288 | 0.372 |
| 0.28 | 0.16 |
| 0.492 | 0.552 |
| 0.336 | 0.396 |
| 0.24 | 0.18 |
| 0.032 | 0 |
| 0.144 | 0.816 |
| 0.1 | 0.76 |
| 0.092 | 0.328 |
| 0.076 | 0.496 |
| 0.252 | 0.168 |
| 0.304 | 0.116 |
| 0.496 | 0 |
| 0.136 | 0.164 |
| 0.088 | 0 |
| 0.032 | 0 |
| 0.028 | 0.328 |
| 0.272 | 0 |
| 0.18 | 0 |
| 0.064 | 0.484 |
| 0.812 | 0 |
| 0.048 | 0.372 |
| 0.212 | 0.632 |
| 0.68 | 0 |

| | | |
|---|---|---|
| 0.46 | 0.46 | 1.06 |
| 0.588 | 0.588 | 1.248 |
| 0.544 | 0.544 | 1.204 |
| 0.592 | 0.592 | 1.252 |
| 0.232 | 0.368 | 0.428 |
| 0 | 21.504 | 0 |
| 0.028 | 0.028 | 0.632 |
| 0.76 | 0.1 | 0.5 |
| 0.076 | 0.736 | 0.736 |
| 0.508 | 0.508 | 0.508 |
| 0.364 | 0.236 | 0.896 |
| 0.144 | 0.144 | 0.864 |
| 2.212 | 2.212 | 1.432 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.66 | 0.06 | 0.84 |
| | | |
| 0 | 0 | 0 |
| 0.312 | 1.032 | 0.312 |
| 0 | 0.204 | 0.984 |
| 0 | 1.8 | 1.08 |
| 0.176 | 0.176 | 0 |
| 0 | 0 | 0 |
| 1.092 | 1.092 | 0 |
| 0.16 | 0.16 | 0 |
| 0 | 0.168 | 0.552 |
| 0.324 | 0.324 | 1.176 |
| 0.18 | 0.18 | 0.36 |
| 0 | 0 | 0 |
| 1.296 | 0.276 | 0 |
| 0.22 | 0.32 | 0.22 |
| 0.212 | 0.212 | 0 |
| 0.496 | 0 | 0 |
| 0.552 | 0.168 | 0.168 |
| 0.116 | 0.604 | 0.116 |
| 0 | 0 | 0 |
| 0.164 | 0.884 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.328 | 0.328 | 1.828 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.484 | 0.484 | 0.236 |
| 0 | 0 | 0 |
| 0.348 | 0.348 | 0.348 |
| 0.088 | 0.088 | 0.148 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 0.46 | 0.46 | 0 |
| 0.732 | 0.072 | 0.072 |
| 0.716 | 0.544 | 0.056 |
| 0.592 | 0.592 | 0.068 |
| 0.232 | 0.232 | 0.232 |
| 0 | 0 | 0 |
| 0.628 | 0.028 | 0.628 |
| 0.1 | 0.1 | 0.76 |
| 0.584 | 0.584 | 0.076 |
| 0.152 | 0.508 | 0.152 |
| 0.364 | 0.296 | 0.296 |
| 0.144 | 0.144 | 0.144 |
| 2.212 | 1.492 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.66 | 0.06 | 0.06 |
| | | |
| 0 | 0.84 | 0 |
| 0.408 | 0.408 | 0.408 |
| 0.516 | 0.984 | 0.516 |
| 0 | 0.3 | 0.3 |
| 0 | 0.544 | 0 |
| 0 | 0 | 0 |
| 0 | 1.092 | 0 |
| 0 | 0.16 | 0 |
| 0.168 | 0.552 | 0.552 |
| 0.324 | 0.324 | 0 |
| 0.66 | 0.18 | 0.66 |
| 0 | 0 | 0 |
| 0 | 1.284 | 0 |
| 0.22 | 0.76 | 0.32 |
| 0.212 | 0.212 | 0 |
| 0 | 0 | 0 |
| 0.552 | 0.168 | 0.168 |
| 0.896 | 0.604 | 0.116 |
| 0 | 0 | 0 |
| 0 | 0.164 | 0 |
| 0 | 0.388 | 0 |
| 0 | 0 | 0 |
| 0 | 0.328 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.484 | 0.484 | 0.484 |
| 0 | 0 | 0 |
| 0.348 | 0.372 | 1.092 |
| 0.088 | 0.868 | 0.632 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 0.4 | 0.46 | 0.14 |
| 0.468 | 0.588 | 0.072 |
| 0.484 | 0.544 | 0.116 |
| 0.472 | 0.532 | 0.068 |
| 0.308 | 0.368 | 0.232 |
| 0.396 | 0 | 0 |
| 0.572 | 0.632 | 0.028 |
| 0.44 | 0.5 | 0.5 |
| 0.616 | 0.736 | 0.076 |
| 0.448 | 0.508 | 0.152 |
| 0.176 | 0.896 | 0.364 |
| 0.684 | 0.144 | 0.144 |
| 0.548 | 1.492 | 0 |
| 0.5 | 0 | 0 |
| 0.544 | 0 | 0 |
| 0.66 | 0.06 | 0 |
| | | |
| 0.66 | 0 | 0.12 |
| 0.132 | 0.312 | 0.408 |
| 0.084 | 0.984 | 0.516 |
| 0.12 | 0.3 | 0.3 |
| 0.364 | 0.176 | 0.176 |
| 0.512 | 0 | 0 |
| 0.228 | 0 | 0.372 |
| 0.38 | 0 | 0.16 |
| 0.372 | 0.168 | 0 |
| 0.276 | 0.396 | 0.396 |
| 0.18 | 0.36 | 0 |
| 0.452 | 0 | 0 |
| 0.084 | 0 | 1.836 |
| 0.58 | 0.22 | 0.32 |
| 0.512 | 0.212 | 0.328 |
| 0.344 | 0 | 0.044 |
| 0.132 | 0.552 | 0.168 |
| 0.184 | 0.176 | 0.116 |
| 0.164 | 0 | 0 |
| 0.464 | 0 | 0.556 |
| 0.032 | 0 | 0.332 |
| 0.028 | 0 | 0 |
| 0.032 | 0 | 0.392 |
| 0.212 | 0 | 0 |
| 0.48 | 0 | 0 |
| 0.184 | 0 | 0.484 |
| 0.752 | 0 | 0 |
| 0.708 | 1.068 | 0.372 |
| 0.448 | 0.632 | 0.088 |
| 0.56 | 0 | 0 |

| | | |
|---|---|---|
| 0.14 | 0.46 | 0.8 |
| 0.072 | 1.188 | 0.732 |
| 0.116 | 1.204 | 0.716 |
| 0.592 | 0.592 | 1.388 |
| 0.232 | 0.368 | 0.892 |
| 0 | 21.444 | 0 |
| 0.028 | 0.632 | 0.628 |
| 0.1 | 0.5 | 0 |
| 0.076 | 0.736 | 1.184 |
| 0.152 | 0.508 | 0.752 |
| 0.236 | 0.296 | 0.364 |
| 0.144 | 0.864 | 0.576 |
| 0 | 3.652 | 0 |
| 4.42 | 3.7 | 0 |
| 0 | 0 | 0 |
| 0.06 | 0.78 | 0.66 |
| | | |
| 0.12 | 0.84 | 0.66 |
| 0.312 | 0.312 | 1.128 |
| 0.204 | 0.984 | 0.516 |
| 1.8 | 1.08 | 0.42 |
| 0.176 | 0.544 | 0 |
| 0 | 0 | 0 |
| 0.372 | 0.348 | 1.092 |
| 0.16 | 0.56 | 0.88 |
| 0 | 0.552 | 0.888 |
| 0.396 | 0.396 | 0.324 |
| 0 | 0.18 | 0.66 |
| 0 | 0.928 | 0 |
| 1.836 | 1.296 | 2.316 |
| 0.22 | 0.22 | 0.32 |
| 0.328 | 0.212 | 0.808 |
| 0.016 | 1.544 | 1.036 |
| 0.168 | 0.552 | 0.168 |
| 0.116 | 0.604 | 0.896 |
| 0 | 0 | 0 |
| 0.164 | 0.164 | 0.556 |
| 0.388 | 0.388 | 0.332 |
| 0 | 0 | 0 |
| 0.392 | 0.328 | 0.392 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.236 | 0.236 | 0.484 |
| 0 | 0 | 0 |
| 0.372 | 1.068 | 0.372 |
| 0.088 | 0.868 | 0.632 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 0.46 | 0.46 | 0.46 |
| 0.588 | 0.588 | 0.588 |
| 0.116 | 0.116 | 0.544 |
| 0.068 | 0.592 | 0.592 |
| 0.368 | 0.232 | 0.368 |
| 0 | 0 | 0 |
| 0.028 | 0.028 | 0.632 |
| 0.16 | 0 | 0.5 |
| 0.076 | 0.076 | 0.076 |
| 0.508 | 0.508 | 0.508 |
| 0.236 | 0.896 | 0.296 |
| 0.144 | 0 | 0.864 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 5.104 | 0 |
| 0.06 | 0.78 | 0 |
| | | |
| 0.06 | 0.12 | 0.84 |
| 0.312 | 0.312 | 0.312 |
| 0.984 | 0.984 | 0.984 |
| 23.76 | 0.3 | 1.8 |
| 17.756 | 0.544 | 0.544 |
| 10.288 | 0 | 0 |
| 0.348 | 0.348 | 0.372 |
| 0.56 | 0.56 | 0.56 |
| 0.552 | 0.552 | 0.552 |
| 0.396 | 0.396 | 0.396 |
| 21.18 | 0.18 | 0.18 |
| 0 | 1.408 | 0 |
| 0 | 1.296 | 1.296 |
| 0 | 0.32 | 0.22 |
| 0.212 | 0.212 | 0.212 |
| 0.016 | 0.016 | 0.524 |
| 0.552 | 0.168 | 0.168 |
| 0.604 | 0.116 | 0.116 |
| 0 | 0 | 0 |
| 0.164 | 0.164 | 0.164 |
| 0.388 | 0.388 | 0.388 |
| 17.912 | 17.912 | 0 |
| 0.328 | 0.328 | 0.328 |
| 11.552 | 0 | 0 |
| 0 | 0 | 0 |
| 0.236 | 0.956 | 0.236 |
| 0 | 0 | 0 |
| 0.348 | 0.348 | 0.348 |
| 0.088 | 0.088 | 0.148 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 0.14 | 0.4 | 0.46 |
| 0.072 | 0.132 | 0.588 |
| 0.716 | 0.176 | 0.544 |
| 0.068 | 0.188 | 0.592 |
| 0.232 | 0.308 | 0.232 |
| 0 | 0.264 | 0 |
| 0 | 0.088 | 0.028 |
| 0 | 0.22 | 0.5 |
| 0.076 | 0.016 | 0.076 |
| 0.508 | 0.212 | 0.508 |
| 0.296 | 0.176 | 0.236 |
| 0.144 | 0.084 | 0.144 |
| 0 | 0.112 | 2.212 |
| 0 | 0.16 | 0 |
| 0 | 0.116 | 0 |
| 0.06 | 1.06581E-13 | 0 |
| | | |
| 0 | 2.13163E-13 | 0 |
| 0.408 | 0.252 | 0.312 |
| 0.264 | 0.144 | 0.204 |
| 0 | 0.24 | 0 |
| 0 | 0.236 | 0 |
| 0 | 0.088 | 0.692 |
| 0 | 0.288 | 0 |
| 0 | 25.4 | 0 |
| 0.552 | 0.228 | 0.552 |
| 0 | 0.336 | 0.324 |
| 0.66 | 0.24 | 0.66 |
| 0 | 0.032 | 0 |
| 0 | 0.144 | 0 |
| 0 | 0.16 | 0 |
| 0.328 | 0.092 | 0 |
| 0 | 0.464 | 0 |
| 0.168 | 0.252 | 0.168 |
| 0.604 | 0.304 | 0.176 |
| 0 | 0.224 | 0 |
| 0 | 0.136 | 0 |
| 0 | 0.088 | 0 |
| 0 | 0.032 | 0 |
| 0 | 0.028 | 1.108 |
| 0 | 0.272 | 0 |
| 0 | 0.18 | 0 |
| 0.484 | 0.064 | 0 |
| 0 | 0.812 | 0 |
| 0 | 0.048 | 1.872 |
| 0.632 | 0.568 | 0.088 |
| 0 | 0.68 | 0 |

| | | |
|---|---|---|
| 1.06 | 1.06 | 0.46 |
| 0.588 | 1.188 | 0.588 |
| 0.544 | 0.544 | 0.544 |
| 1.192 | 1.192 | 1.192 |
| 1.028 | 0.368 | 0.368 |
| 0 | 0 | 0 |
| 0.632 | 0.632 | 0.632 |
| 0.5 | 1.16 | 1.82 |
| 0.736 | 0.736 | 0.736 |
| 1.168 | 0.508 | 0.508 |
| 0.896 | 0.236 | 0.296 |
| 0.864 | 0.864 | 0.864 |
| 0 | 0 | 0 |
| 3.7 | 3.7 | 3.7 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| | | |
| 0.84 | 0.84 | 0.84 |
| 1.032 | 1.032 | 1.032 |
| 1.704 | 0.984 | 0.984 |
| 1.8 | 1.8 | 1.8 |
| 1.324 | 1.264 | 1.264 |
| 0 | 0 | 0 |
| 0.348 | 0.348 | 0.348 |
| 0.56 | 0.56 | 0.56 |
| 1.272 | 0.552 | 0.552 |
| 1.176 | 0.396 | 0.396 |
| 0.9 | 0.36 | 0.18 |
| 0 | 0 | 2.192 |
| 1.296 | 0.816 | 1.296 |
| 0.76 | 0.7 | 0.76 |
| 0.692 | 0.692 | 0.212 |
| 0.016 | 0.016 | 0.524 |
| 0.552 | 0.552 | 0.552 |
| 0.604 | 0.604 | 0.116 |
| 0.524 | 0.524 | 0 |
| 0.884 | 0.884 | 0.164 |
| 0.388 | 0.388 | 0.388 |
| 0 | 0 | 0 |
| 0.328 | 0.328 | 0.328 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.236 | 0.956 | 0.956 |
| 0 | 0 | 0 |
| 0.348 | 0.348 | 0.348 |
| 0.868 | 0.088 | 0.088 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 0.46 | 0.8 | 0.8 |
| 0.588 | 0.732 | 0.732 |
| 0.544 | 0.716 | 0.716 |
| 0.592 | 0.728 | 0.728 |
| 0.232 | 0.892 | 0.892 |
| 0 | 0 | 0 |
| 0.632 | 0.628 | 0.628 |
| 0.5 | 0.76 | 0.76 |
| 0.076 | 0.584 | 1.184 |
| 0.508 | 0.752 | 0.752 |
| 0.236 | 1.024 | 1.024 |
| 0.144 | 0.144 | 0.576 |
| 0 | 0 | 0 |
| 3.7 | 0 | 5.2 |
| 0 | 0 | 0 |
| 0 | 1.38 | 0 |
| | | |
| 0.84 | 0.66 | 0.66 |
| 0.312 | 0.408 | 0.408 |
| 0.984 | 0.264 | 0.516 |
| 1.8 | 1.08 | 0.3 |
| 1.264 | 0.176 | 0.544 |
| 0 | 0 | 0 |
| 0.372 | 1.092 | 1.092 |
| 0.56 | 0.88 | 0.88 |
| 0.552 | 26.952 | 0 |
| 0.396 | 1.044 | 1.044 |
| 0.36 | 1.2 | 1.2 |
| 1.112 | 0 | 0.632 |
| 1.836 | 2.316 | 2.856 |
| 0.7 | 0.32 | 0.8 |
| 0.212 | 0.808 | 0.328 |
| 0.524 | 0.496 | 0.496 |
| 0.552 | 0.168 | 0.948 |
| 0.604 | 0.116 | 0.116 |
| 1.244 | 0 | 0 |
| 1.336 | 0.556 | 0.616 |
| 0.388 | 0.332 | 0.332 |
| 0 | 0 | 0 |
| 0.328 | 0.392 | 0.392 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.236 | 1.204 | 1.264 |
| 0 | 0 | 0 |
| 0.348 | 0.372 | 0.372 |
| 0.088 | 0.632 | 0.088 |
| 0 | 3.92 | 0 |

| | | |
|---|---|---|
| 0.14 | 0.8 | 0.34 |
| 0.072 | 0.732 | 0.468 |
| 0.116 | 2.036 | 0.176 |
| 0.728 | 0.728 | 0.188 |
| 0.892 | 1.552 | 0.308 |
| 0 | 0 | 0.396 |
| 0.628 | 0.628 | 0.088 |
| 0.1 | 1.42 | 0.22 |
| 0.584 | 1.184 | 0.016 |
| 0.752 | 1.412 | 0.212 |
| 1.024 | 0 | 0.176 |
| 0.576 | 1.296 | 0.024 |
| 0 | 0 | 0.112 |
| 0 | 0 | 0.16 |
| 0 | 0 | 0.116 |
| 0.66 | 1.38 | 1.06581E-13 |
| | | |
| 0.66 | 0 | 2.13163E-13 |
| 0.408 | 1.848 | 0.252 |
| 0.204 | 0.516 | 0.144 |
| 1.02 | 0 | 0.24 |
| 0.544 | 0 | 0.236 |
| 0 | 0 | 0.088 |
| 1.092 | 0 | 0.288 |
| 0.88 | 0 | 0.28 |
| 0 | 0.888 | 0.288 |
| 0.324 | 0 | 0.336 |
| 0 | 1.68 | 0.24 |
| 0 | 0 | 0.032 |
| 2.316 | 0 | 0.144 |
| 0.32 | 1.34 | 0.1 |
| 0.328 | 0.808 | 0.092 |
| 1.036 | 0 | 0.464 |
| 0.168 | 0.948 | 0.252 |
| 0.116 | 0.116 | 0.304 |
| 0 | 0 | 0.224 |
| 0.164 | 0 | 0.584 |
| 0.388 | 0 | 0.088 |
| 0 | 0 | 0.032 |
| 0.328 | 0 | 0.028 |
| 0 | 0 | 0.272 |
| 0 | 0 | 0.54 |
| 0.236 | 1.984 | 0.064 |
| 1.048 | 0 | 0.812 |
| 0.372 | 0.372 | 0.048 |
| 0.632 | 0.632 | 0.568 |
| 0 | 0 | 0.68 |

| | | |
|---|---|---|
| 0.46 | 0.46 | 1.06 |
| 0.588 | 0.588 | 0.588 |
| 0.056 | 0.544 | 1.204 |
| 0.068 | 0.592 | 1.192 |
| 0.232 | 0.232 | 0.368 |
| 0 | 0.204 | 0.204 |
| 0.028 | 0.028 | 0.632 |
| 22.42 | 0.5 | 1.16 |
| 0.076 | 0.076 | 0.736 |
| 0.508 | 0.508 | 0.508 |
| 0.896 | 0.296 | 0.896 |
| 0.144 | 0.144 | 0.864 |
| 0 | 1.492 | 0.712 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.06 | 0.06 | 0 |
| | | |
| 0 | 0.12 | 0 |
| 0.312 | 0.312 | 0.312 |
| 1.704 | 1.704 | 0.984 |
| 0 | 0 | 0 |
| 0 | 0.176 | 0.544 |
| 0 | 0 | 0 |
| 1.092 | 0.372 | 0.372 |
| 0.56 | 0.16 | 0.56 |
| 0.168 | 0 | 0 |
| 0.396 | 0.324 | 0.396 |
| 0.18 | 0.66 | 0.18 |
| 0 | 0 | 0 |
| 0 | 1.836 | 0.816 |
| 0.32 | 0.32 | 0.22 |
| 0.212 | 0.212 | 0.692 |
| 1.064 | 0.016 | 0.016 |
| 0.552 | 0.552 | 1.272 |
| 0.604 | 0.604 | 0.604 |
| 0 | 0 | 0 |
| 0 | 0.164 | 0.884 |
| 0 | 0.388 | 0.388 |
| 0 | 0 | 0 |
| 0.328 | 0.328 | 0.328 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.236 | 0.956 | 0.236 |
| 0 | 0 | 0 |
| 1.068 | 0.348 | 0.348 |
| 0.148 | 0.868 | 0.868 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 0.46 | 0.46 | 0.46 |
| 0.072 | 0.588 | 0.588 |
| 0.116 | 0.056 | 0.544 |
| 0.592 | 0.068 | 0.592 |
| 0.232 | 0.232 | 0.232 |
| 0.204 | 22.104 | 0 |
| 0.028 | 0.632 | 0.632 |
| 0.5 | 0.1 | 0.5 |
| 0.076 | 0.076 | 0.076 |
| 0.152 | 0.152 | 0.508 |
| 0.236 | 0.296 | 0.364 |
| 0.144 | 0.144 | 0.144 |
| 2.212 | 1.432 | 1.492 |
| 4.42 | 0 | 0 |
| 0 | 0 | 0 |
| 0.66 | 0.06 | 0.06 |
| | | |
| 0.12 | 0.12 | 0.12 |
| 0.408 | 0.408 | 0.312 |
| 0.516 | 0.264 | 0.264 |
| 0.3 | 0.3 | 1.8 |
| 0.176 | 0.176 | 0.544 |
| 0 | 0 | 0 |
| 1.092 | 1.092 | 0.372 |
| 0.16 | 0.16 | 0.16 |
| 0.168 | 0 | 0 |
| 0.396 | 0.324 | 0.396 |
| 0.18 | 0.66 | 0.18 |
| 0 | 0 | 0 |
| 0.276 | 0.204 | 0.276 |
| 0.32 | 0.32 | 0.22 |
| 0.328 | 0.212 | 0.212 |
| 0.524 | 0.524 | 1.064 |
| 0.168 | 0.168 | 0.552 |
| 0.176 | 0.116 | 0.604 |
| 0 | 0 | 0 |
| 0.164 | 0.556 | 0.164 |
| 0.332 | 0.388 | 0.388 |
| 0 | 0 | 0.388 |
| 0.392 | 0.392 | 0.328 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.484 | 0.484 | 0.236 |
| 0 | 0 | 0 |
| 0.372 | 0.348 | 0.348 |
| 0.088 | 0.632 | 0.088 |
| 0 | 0 | 0 |

WILL NOT REPORT

| | |
|---|---|
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78] | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86] | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |
| 121] | Undecane |

13.35293333
14.1682
14.25666667
14.30186667
14.93513333
15.17633333
15.34793333
15.5878
15.8666
16.11625
16.22333333
16.16326667
16.62266667
17.1272
17.34153333
18.43133333
18.4628
19.1416
19.45146667
19.48446667
19.55853333
20.15606667
20.09991667
20.3048
20.3176
20.81713333
21.18593333
21.47393333

22.5494
22.7838
23.04
23.94873333
23.91973333
22.8668
23.43433333
24.25966667
24.414
24.30453333
24.53313333
24.8486
25.08306667
25.25266667
25.4984
25.65993333
25.7022
26.68853333

| | |
|---|---|
| 13.354 | 13.349 |
| 14.163 | 0 |
| 14.218 | 14.221 |
| 14.305 | 0 |
| 14.919 | 0 |
| 15.173 | 0 |
| 15.354 | 0 |
| 15.587 | 15.581 |
| 15.871 | 0 |
| 16.162 | 0 |
| 16.212 | 16.236 |
| 16.162 | 16.158 |
| 16.604 | 0 |
| 17.121 | 17.136 |
| 17.337 | 17.342 |
| 18.432 | 0 |
| 18.465 | 0 |
| 19.134 | 19.163 |
| 19.45 | 19.472 |
| 19.47 | 19.509 |
| 19.551 | 19.57 |
| 20.121 | 0 |
| 20.008 | 0 |
| 20.294 | 0 |
| 20.306 | 20.335 |
| 20.817 | 20.823 |
| 21.18 | 21.186 |
| 21.471 | 21.477 |
| | |
| 22.538 | 22.239 |
| 22.783 | 0 |
| 23.043 | 0 |
| 23.952 | 0 |
| 23.93 | 0 |
| 22.859 | 0 |
| 23.438 | 23.483 |
| 24.253 | 0 |
| 24.399 | 0 |
| 24.298 | 0 |
| 24.544 | 24.577 |
| 24.856 | 24.901 |
| 25.068 | 0 |
| 25.258 | 0 |
| 25.493 | 0 |
| 25.649 | 0 |
| 25.683 | 0 |
| 26.676 | 26.698 |

| | | |
|---|---|---|
| 13.349 | 13.361 | 13.361 |
| 0 | 0 | 0 |
| 14.229 | 14.276 | 0 |
| 0 | 14.316 | 14.292 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 15.571 | 15.6 | 15.629 |
| 0 | 0 | 0 |
| 16.168 | 0 | 0 |
| 16.226 | 16.227 | 16.236 |
| 16.168 | 0 | 0 |
| 0 | 0 | 0 |
| 17.136 | 17.127 | 17.127 |
| 17.342 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 19.17 | 19.157 | 19.177 |
| 19.472 | 19.489 | 19.543 |
| 19.516 | 19.55 | 19.576 |
| 19.566 | 19.573 | 19.586 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.347 | 20.347 | 20.358 |
| 20.823 | 0 | 20.83 |
| 21.194 | 21.194 | 21.194 |
| 21.484 | 21.47 | 21.498 |
| | | |
| 22.245 | 22.597 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 24.343 | 24.343 | 0 |
| 0 | 0 | 0 |
| 24.901 | 24.901 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 25.749 | 0 |
| 26.71 | 26.687 | 26.732 |

| | | |
|---|---|---|
| 13.349 | 13.361 | 13.361 |
| 0 | 0 | 0 |
| 0 | 14.245 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 15.61 | 15.6 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 16.246 | 16.226 | 16.236 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 17.136 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 19.173 | 19.177 | 19.177 |
| 19.529 | 19.536 | 19.486 |
| 19.566 | 19.57 | 19.57 |
| 19.58 | 19.57 | 19.583 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.353 | 20.364 | 20.358 |
| 0 | 20.831 | 0 |
| 21.194 | 21.194 | 21.194 |
| 21.499 | 21.506 | 21.499 |
| | | |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 24.331 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 25.292 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 26.721 | 0 |

| | | |
|---|---|---|
| 13.343 | 13.361 | 13.361 |
| 14.156 | 0 | 0 |
| 14.22 | 14.277 | 14.221 |
| 14.299 | 14.292 | 0 |
| 14.921 | 0 | 0 |
| 15.167 | 0 | 0 |
| 15.347 | 0 | 0 |
| 15.58 | 15.62 | 15.581 |
| 15.864 | 0 | 15.874 |
| 16.164 | 0 | 0 |
| 16.214 | 16.246 | 16.236 |
| 16.164 | 0 | 0 |
| 16.605 | 0 | 0 |
| 17.122 | 0 | 17.136 |
| 17.339 | 17.352 | 17.361 |
| 18.434 | 18.438 | 0 |
| 18.462 | 18.474 | 0 |
| 19.135 | 19.167 | 19.153 |
| 19.455 | 19.516 | 19.469 |
| 19.465 | 19.573 | 19.496 |
| 19.549 | 19.587 | 19.58 |
| 20.125 | 0 | 0 |
| 20.03 | 0 | 0 |
| 20.292 | 20.347 | 0 |
| 20.31 | 20.347 | 20.341 |
| 20.815 | 0 | 21.186 |
| 21.186 | 21.194 | 21.194 |
| 21.476 | 21.484 | 21.499 |
| | | |
| 22.54 | 0 | 0 |
| 22.781 | 0 | 0 |
| 23.041 | 23.085 | 23.085 |
| 23.954 | 0 | 24.019 |
| 23.932 | 23.941 | 0 |
| 22.865 | 0 | 0 |
| 23.44 | 23.494 | 0 |
| 24.255 | 0 | 0 |
| 24.412 | 0 | 0 |
| 24.3 | 24.343 | 24.331 |
| 24.546 | 24.577 | 0 |
| 24.858 | 24.923 | 0 |
| 25.07 | 25.169 | 0 |
| 25.26 | 25.292 | 0 |
| 25.495 | 25.56 | 0 |
| 25.651 | 25.761 | 0 |
| 25.685 | 25.783 | 0 |
| 26.678 | 26.71 | 0 |

| | | |
|---|---|---|
| 13.361 | 13.349 | 13.361 |
| 0 | 0 | 0 |
| 14.213 | 14.189 | 14.205 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 15.581 | 15.581 | 15.59 |
| 15.874 | 0 | 15.884 |
| 0 | 0 | 0 |
| 16.227 | 16.236 | 16.236 |
| 0 | 16.158 | 16.168 |
| 0 | 0 | 0 |
| 17.146 | 17.127 | 17.127 |
| 17.342 | 17.332 | 17.342 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 19.157 | 19.153 | 19.153 |
| 19.459 | 19.465 | 19.465 |
| 19.482 | 19.543 | 19.546 |
| 19.573 | 19.58 | 19.573 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.335 | 20.352 | 20.364 |
| 20.823 | 20.816 | 20.816 |
| 21.194 | 21.186 | 21.194 |
| 21.484 | 21.477 | 21.491 |
| | | |
| 0 | 0 | 0 |
| 22.775 | 22.781 | 22.781 |
| 0 | 0 | 23.079 |
| 0 | 24.008 | 23.996 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 23.472 | 23.483 |
| 0 | 24.331 | 0 |
| 0 | 0 | 0 |
| 24.331 | 24.331 | 24.331 |
| 0 | 0 | 0 |
| 24.934 | 24.901 | 24.901 |
| 0 | 0 | 0 |
| 0 | 24.901 | 24.912 |
| 0 | 0 | 25.18 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 26.687 | 26.687 |

| | | |
|---|---|---|
| 13.349 | 13.361 | 13.349 |
| 0 | 0 | 0 |
| 14.189 | 14.189 | 14.197 |
| 14.292 | 0 | 14.3 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 15.346 |
| 15.581 | 15.59 | 15.581 |
| 15.874 | 15.864 | 15.864 |
| 16.148 | 16.168 | 16.148 |
| 16.217 | 16.217 | 16.226 |
| 16.148 | 16.168 | 16.148 |
| 0 | 0 | 0 |
| 17.127 | 0 | 17.117 |
| 17.332 | 17.352 | 17.342 |
| 0 | 0 | 0 |
| 18.474 | 0 | 18.462 |
| 19.147 | 19.153 | 19.153 |
| 19.466 | 19.469 | 19.462 |
| 19.536 | 19.543 | 19.529 |
| 19.57 | 19.566 | 19.566 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.359 | 20.358 | 20.358 |
| 20.816 | 20.823 | 20.823 |
| 21.186 | 21.186 | 21.186 |
| 21.484 | 21.491 | 21.477 |
| | | |
| 0 | 0 | 0 |
| 22.776 | 22.775 | 22.775 |
| 0 | 0 | 0 |
| 24.008 | 0 | 23.985 |
| 0 | 0 | 0 |
| 22.776 | 0 | 0 |
| 23.472 | 0 | 23.461 |
| 0 | 0 | 24.298 |
| 0 | 0 | 0 |
| 24.332 | 24.331 | 24.331 |
| 0 | 0 | 24.901 |
| 24.901 | 0 | 24.901 |
| 0 | 0 | 0 |
| 24.912 | 0 | 25.191 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 26.687 | 26.687 | 26.676 |

| | | |
|---|---|---|
| 0 | 13.354 | 13.361 |
| 0 | 14.163 | 0 |
| 0 | 14.226 | 0 |
| 0 | 14.305 | 14.3 |
| 0 | 14.926 | 0 |
| 0 | 15.173 | 0 |
| 0 | 15.354 | 0 |
| 0 | 15.587 | 15.63 |
| 0 | 15.871 | 0 |
| 0 | 16.162 | 0 |
| 16.246 | 16.22 | 16.236 |
| 0 | 16.162 | 0 |
| 0 | 16.612 | 0 |
| 0 | 17.129 | 17.137 |
| 0 | 17.337 | 0 |
| 0 | 18.432 | 0 |
| 0 | 18.465 | 0 |
| 0 | 19.137 | 19.194 |
| 0 | 19.446 | 19.556 |
| 0 | 19.137 | 19.576 |
| 19.593 | 19.551 | 19.59 |
| 0 | 20.127 | 0 |
| 0 | 20.05 | 0 |
| 0 | 20.294 | 0 |
| 0 | 20.312 | 20.37 |
| 0 | 20.817 | 20.831 |
| 21.201 | 21.187 | 21.194 |
| 21.484 | 21.478 | 21.506 |
| | | |
| 0 | 22.542 | 0 |
| 0 | 22.782 | 0 |
| 0 | 23.043 | 0 |
| 0 | 23.952 | 0 |
| 0 | 23.93 | 0 |
| 0 | 22.863 | 0 |
| 0 | 23.438 | 0 |
| 0 | 24.253 | 0 |
| 0 | 24.41 | 0 |
| 0 | 24.309 | 0 |
| 0 | 24.544 | 0 |
| 0 | 24.856 | 0 |
| 0 | 25.08 | 0 |
| 0 | 25.258 | 0 |
| 0 | 25.493 | 0 |
| 0 | 25.66 | 0 |
| 0 | 25.682 | 0 |
| 0 | 26.676 | 26.754 |

| | | |
|---|---|---|
| 13.349 | 13.349 | 13.349 |
| 0 | 14.174 | 0 |
| 14.181 | 14.182 | 14.189 |
| 14.284 | 0 | 14.292 |
| 0 | 0 | 0 |
| 0 | 15.191 | 0 |
| 0 | 0 | 0 |
| 15.581 | 15.581 | 15.581 |
| 15.864 | 15.865 | 15.855 |
| 16.158 | 16.139 | 16.148 |
| 16.226 | 16.227 | 16.226 |
| 16.158 | 16.139 | 16.148 |
| 0 | 0 | 0 |
| 17.117 | 17.127 | 17.127 |
| 17.342 | 17.342 | 17.342 |
| 0 | 0 | 18.432 |
| 18.462 | 18.468 | 18.474 |
| 19.143 | 19.15 | 19.16 |
| 19.455 | 19.452 | 19.455 |
| 19.523 | 19.526 | 19.533 |
| 19.56 | 19.563 | 19.563 |
| 20.198 | 20.192 | 20.204 |
| 0 | 20.084 | 0 |
| 0 | 0 | 20.227 |
| 20.358 | 20.359 | 20.353 |
| 20.823 | 20.823 | 20.831 |
| 21.186 | 21.186 | 21.186 |
| 21.484 | 21.477 | 21.477 |
| | | |
| 0 | 22.567 | 0 |
| 22.775 | 22.776 | 22.775 |
| 0 | 0 | 23.061 |
| 23.985 | 23.985 | 23.985 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 23.472 | 23.472 | 23.472 |
| 24.298 | 24.287 | 24.276 |
| 0 | 0 | 0 |
| 24.331 | 24.332 | 24.331 |
| 24.912 | 24.566 | 0 |
| 24.912 | 24.912 | 24.901 |
| 25.124 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 26.687 | 26.687 | 26.676 |

| | | |
|---|---|---|
| 13.349 | 13.361 | 13.361 |
| 0 | 0 | 0 |
| 14.197 | 14.205 | 14.221 |
| 14.292 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 15.336 | 15.346 | 15.356 |
| 15.581 | 15.581 | 15.59 |
| 15.865 | 15.874 | 0 |
| 16.158 | 15.874 | 0 |
| 16.217 | 16.226 | 16.236 |
| 16.158 | 0 | 0 |
| 0 | 0 | 0 |
| 17.127 | 17.136 | 0 |
| 17.342 | 17.352 | 17.352 |
| 0 | 0 | 0 |
| 18.474 | 18.462 | 0 |
| 19.147 | 19.16 | 19.163 |
| 19.449 | 19.459 | 19.476 |
| 19.492 | 19.489 | 19.516 |
| 19.57 | 19.57 | 19.576 |
| 20.174 | 20.209 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.329 | 20.335 | 20.347 |
| 20.852 | 20.838 | 20.838 |
| 21.186 | 21.194 | 21.194 |
| 21.484 | 21.491 | 21.491 |
| | | |
| 0 | 0 | 0 |
| 22.787 | 22.781 | 22.781 |
| 23.067 | 23.073 | 23.073 |
| 23.985 | 23.996 | 24.008 |
| 23.93 | 0 | 0 |
| 22.889 | 0 | 0 |
| 23.461 | 0 | 23.483 |
| 24.298 | 24.32 | 24.343 |
| 0 | 0 | 0 |
| 24.332 | 24.331 | 24.343 |
| 24.544 | 0 | 0 |
| 24.901 | 24.901 | 24.901 |
| 25.113 | 0 | 0 |
| 24.912 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 25.716 | 0 |
| 0 | 0 | 0 |
| 26.687 | 26.687 | 26.698 |

| | | |
|---|---|---|
| 13.361 | 13.386 | 13.342 |
| 0 | 0 | 14.163 |
| 14.213 | 0 | 14.226 |
| 0 | 0 | 14.297 |
| 0 | 0 | 14.926 |
| 0 | 0 | 15.166 |
| 15.356 | 0 | 15.346 |
| 15.581 | 0 | 15.587 |
| 15.874 | 0 | 15.871 |
| 0 | 0 | 16.162 |
| 16.236 | 16.246 | 16.221 |
| 16.168 | 0 | 16.162 |
| 0 | 0 | 16.604 |
| 17.136 | 0 | 17.129 |
| 17.352 | 0 | 17.337 |
| 0 | 0 | 18.432 |
| 0 | 0 | 18.465 |
| 19.16 | 0 | 19.137 |
| 19.466 | 0 | 19.453 |
| 19.509 | 0 | 19.47 |
| 19.573 | 19.59 | 19.547 |
| 0 | 0 | 20.127 |
| 0 | 0 | 20.038 |
| 0 | 0 | 20.294 |
| 20.347 | 0 | 20.312 |
| 20.831 | 21.201 | 20.817 |
| 21.194 | 21.201 | 21.188 |
| 21.499 | 0 | 21.471 |
| | | |
| 0 | 0 | 22.542 |
| 22.793 | 0 | 22.783 |
| 0 | 0 | 23.043 |
| 24.008 | 0 | 23.952 |
| 0 | 0 | 23.93 |
| 0 | 0 | 22.867 |
| 23.483 | 0 | 23.438 |
| 24.343 | 0 | 24.253 |
| 0 | 0 | 24.41 |
| 24.331 | 0 | 24.309 |
| 0 | 0 | 24.544 |
| 24.912 | 0 | 24.856 |
| 0 | 0 | 25.08 |
| 24.923 | 0 | 25.258 |
| 0 | 0 | 25.493 |
| 0 | 0 | 25.66 |
| 0 | 0 | 25.683 |
| 26.71 | 0 | 26.676 |

| | | |
|---|---|---|
| 13.361 | 13.349 | 13.349 |
| 0 | 0 | 0 |
| 14.268 | 14.213 | 14.213 |
| 14.284 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 15.375 | 0 | 15.346 |
| 15.62 | 15.581 | 15.581 |
| 0 | 15.864 | 15.864 |
| 0 | 0 | 0 |
| 16.226 | 16.236 | 16.227 |
| 0 | 16.168 | 0 |
| 0 | 0 | 0 |
| 0 | 17.136 | 17.137 |
| 0 | 17.332 | 17.342 |
| 18.444 | 0 | 0 |
| 18.467 | 0 | 0 |
| 19.17 | 19.17 | 19.17 |
| 19.536 | 19.472 | 19.469 |
| 19.553 | 19.506 | 19.513 |
| 19.573 | 19.58 | 19.566 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.335 | 0 | 0 |
| 20.358 | 20.353 | 20.347 |
| 20.83 | 20.823 | 20.823 |
| 21.194 | 21.194 | 21.194 |
| 21.484 | 21.484 | 21.484 |
| | | |
| 22.603 | 0 | 0 |
| 0 | 0 | 0 |
| 23.091 | 0 | 0 |
| 24.041 | 0 | 24.019 |
| 23.963 | 0 | 0 |
| 0 | 0 | 0 |
| 23.494 | 23.494 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 24.331 | 24.331 |
| 24.588 | 0 | 0 |
| 24.923 | 24.901 | 24.901 |
| 0 | 0 | 0 |
| 25.303 | 24.923 | 0 |
| 25.537 | 0 | 0 |
| 0 | 0 | 0 |
| 25.772 | 0 | 0 |
| 26.721 | 26.698 | 26.71 |

| | | |
|---|---|---|
| 13.361 | 13.373 | 13.361 |
| 0 | 0 | 0 |
| 14.213 | 14.229 | 14.221 |
| 14.3 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 15.356 | 15.365 | 15.346 |
| 15.581 | 15.59 | 15.581 |
| 15.865 | 15.874 | 15.874 |
| 16.158 | 16.168 | 16.158 |
| 16.227 | 16.236 | 16.226 |
| 16.158 | 16.168 | 16.158 |
| 0 | 0 | 0 |
| 17.137 | 17.136 | 17.136 |
| 17.352 | 17.352 | 17.342 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 19.167 | 19.163 | 19.16 |
| 19.459 | 19.469 | 19.455 |
| 19.492 | 19.502 | 19.492 |
| 19.57 | 19.583 | 19.57 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 20.341 | 20.341 | 20.329 |
| 20.831 | 20.823 | 20.823 |
| 21.194 | 21.194 | 21.194 |
| 21.491 | 21.499 | 21.491 |
| | | |
| 0 | 22.239 | 22.245 |
| 22.793 | 0 | 22.811 |
| 23.097 | 0 | 23.079 |
| 23.997 | 0 | 23.996 |
| 0 | 0 | 0 |
| 0 | 0 | 22.912 |
| 23.472 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 24.332 | 24.343 | 24.331 |
| 0 | 0 | 24.119 |
| 24.901 | 24.901 | 24.901 |
| 0 | 0 | 0 |
| 24.912 | 24.923 | 24.923 |
| 0 | 0 | 0 |
| 0 | 0 | 25.727 |
| 0 | 0 | 0 |
| 0 | 26.698 | 26.71 |

| | |
|---|---|
| 0.064 | 0.236 |
| 0.312 | 0 |
| 2.32 | 2.14 |
| 0.188 | 0 |
| 0.968 | 0 |
| 0.2 | 0 |
| 0.364 | 0 |
| 0.048 | 0.408 |
| 0.264 | 0 |
| 2.745 | 0 |
| 0.68 | 0.76 |
| 0.076 | 0.316 |
| 1.12 | 0 |
| 0.372 | 0.528 |
| 0.272 | 0.028 |
| 0.04 | 0 |
| 0.132 | 0 |
| 0.456 | 1.284 |
| 0.088 | 1.232 |
| 0.868 | 1.472 |
| 0.452 | 0.688 |
| 2.104 | 0 |
| 5.515 | 0 |
| 0.648 | 0 |
| 0.696 | 1.044 |
| 0.008 | 0.352 |
| 0.356 | 0.004 |
| 0.176 | 0.184 |
| 0 | 0 |
| 0.684 | 18.624 |
| 0.048 | 0 |
| 0.18 | 0 |
| 0.196 | 0 |
| 0.616 | 0 |
| 0.468 | 0 |
| 0.22 | 2.92 |
| 0.4 | 0 |
| 0.9 | 0 |
| 0.392 | 0 |
| 0.652 | 2.632 |
| 0.444 | 3.144 |
| 0.904 | 0 |
| 0.32 | 0 |
| 0.324 | 0 |
| 0.656 | 0 |
| 1.152 | 0 |
| 0.752 | 0.568 |

| | | |
|---|---|---|
| 0.236 | 0.484 | 0.484 |
| 0 | 0 | 0 |
| 1.66 | 1.16 | 0 |
| 0 | 0.848 | 0.592 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.008 | 0.732 | 2.472 |
| 0 | 0 | 0 |
| 3.105 | 0 | 0 |
| 0.16 | 0.22 | 0.76 |
| 0.284 | 0 | 0 |
| 0 | 0 | 0 |
| 0.528 | 0.012 | 0.012 |
| 0.028 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.704 | 0.924 | 2.124 |
| 1.232 | 2.252 | 5.492 |
| 1.892 | 3.932 | 5.492 |
| 0.448 | 0.868 | 1.648 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.764 | 1.764 | 2.424 |
| 0.352 | 0 | 0.772 |
| 0.484 | 0.484 | 0.484 |
| 0.604 | 0.236 | 1.444 |
| 0 | 0 | 0 |
| 18.264 | 2.856 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2.308 | 2.308 | 0 |
| 0 | 0 | 0 |
| 3.144 | 3.144 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 2.808 | 0 |
| 1.288 | 0.092 | 2.608 |

| | | |
|---|---|---|
| 0.236 | 0.484 | 0.484 |
| 0 | 0 | 0 |
| 0 | 0.7 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.332 | 0.732 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.36 | 0.16 | 0.76 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0.528 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.884 | 2.124 | 2.124 |
| 4.652 | 5.072 | 2.072 |
| 4.892 | 5.132 | 5.132 |
| 1.288 | 0.688 | 1.468 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2.124 | 2.784 | 2.424 |
| 0 | 0.832 | 0 |
| 0.484 | 0.484 | 0.484 |
| 1.504 | 1.924 | 1.504 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 1.588 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 2.36 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 1.948 | 0 |

| | | |
|---|---|---|
| 0.596 | 0.484 | 0.484 |
| 0.732 | 0 | 0 |
| 2.2 | 1.22 | 2.14 |
| 0.172 | 0.592 | 0 |
| 0.848 | 0 | 0 |
| 0.56 | 0 | 0 |
| 0.056 | 0 | 0 |
| 0.468 | 1.932 | 0.408 |
| 0.156 | 0 | 0.444 |
| 2.865 | 0 | 0 |
| 0.56 | 1.36 | 0.76 |
| 0.044 | 0 | 0 |
| 1.06 | 0 | 0 |
| 0.312 | 0 | 0.528 |
| 0.152 | 0.628 | 1.168 |
| 0.16 | 0.4 | 0 |
| 0.048 | 0.672 | 0 |
| 0.396 | 1.524 | 0.684 |
| 0.212 | 3.872 | 1.052 |
| 1.168 | 5.312 | 0.692 |
| 0.572 | 1.708 | 1.288 |
| 1.864 | 0 | 0 |
| 4.195 | 0 | 0 |
| 0.768 | 2.532 | 0 |
| 0.456 | 1.764 | 1.404 |
| 0.128 | 0 | 22.132 |
| 0.004 | 0.484 | 0.484 |
| 0.124 | 0.604 | 1.504 |
| 0 | 0 | 0 |
| 0.564 | 0 | 0 |
| 0.168 | 0 | 0 |
| 0.06 | 2.7 | 2.7 |
| 0.316 | 0 | 4.216 |
| 0.736 | 1.276 | 0 |
| 0.108 | 0 | 0 |
| 0.34 | 3.58 | 0 |
| 0.28 | 0 | 0 |
| 0.12 | 0 | 0 |
| 0.272 | 2.308 | 1.588 |
| 0.772 | 2.632 | 0 |
| 0.564 | 4.464 | 0 |
| 0.784 | 5.156 | 0 |
| 0.44 | 2.36 | 0 |
| 0.204 | 3.696 | 0 |
| 0.536 | 6.064 | 0 |
| 1.032 | 4.848 | 0 |
| 0.632 | 1.288 | 0 |

| | | |
|---|---|---|
| 0.484 | 0.236 | 0.484 |
| 0 | 0 | 0 |
| 2.62 | 4.06 | 3.1 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.408 | 0.408 | 0.132 |
| 0.444 | 0 | 1.044 |
| 0 | 0 | 0 |
| 0.22 | 0.76 | 0.76 |
| 0 | 0.316 | 0.284 |
| 0 | 0 | 0 |
| 1.128 | 0.012 | 0.012 |
| 0.028 | 0.572 | 0.028 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.924 | 0.684 | 0.684 |
| 0.452 | 0.812 | 0.812 |
| 0.148 | 3.512 | 3.692 |
| 0.868 | 1.288 | 0.868 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.044 | 2.064 | 2.784 |
| 0.352 | 0.068 | 0.068 |
| 0.484 | 0.004 | 0.484 |
| 0.604 | 0.184 | 1.024 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.528 | 0.168 | 0.168 |
| 0 | 0 | 2.34 |
| 0 | 3.556 | 2.836 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 2.26 | 2.92 |
| 0 | 4.28 | 0 |
| 0 | 0 | 0 |
| 1.588 | 1.588 | 1.588 |
| 0 | 0 | 0 |
| 5.124 | 3.144 | 3.144 |
| 0 | 0 | 0 |
| 0 | 21.1 | 20.44 |
| 0 | 0 | 19.104 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0.092 | 0.092 |

| | | |
|---|---|---|
| 0.236 | 0.484 | 0.236 |
| 0 | 0 | 0 |
| 4.06 | 4.06 | 3.58 |
| 0.592 | 0 | 0.112 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0.116 |
| 0.408 | 0.132 | 0.408 |
| 0.444 | 0.156 | 0.156 |
| 1.905 | 3.105 | 1.905 |
| 0.38 | 0.38 | 0.16 |
| 0.916 | 0.284 | 0.916 |
| 0 | 0 | 0 |
| 0.012 | 0 | 0.612 |
| 0.572 | 0.628 | 0.028 |
| 0 | 0 | 0 |
| 0.672 | 0 | 0.048 |
| 0.324 | 0.684 | 0.684 |
| 0.872 | 1.052 | 0.632 |
| 3.092 | 3.512 | 2.672 |
| 0.688 | 0.448 | 0.448 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2.484 | 2.424 | 2.424 |
| 0.068 | 0.352 | 0.352 |
| 0.004 | 0.004 | 0.004 |
| 0.604 | 1.024 | 0.184 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.468 | 0.528 | 0.528 |
| 0 | 0 | 0 |
| 3.556 | 0 | 2.176 |
| 0 | 0 | 0 |
| 5.448 | 0 | 0 |
| 2.26 | 0 | 1.6 |
| 0 | 0 | 2.3 |
| 0 | 0 | 0 |
| 1.648 | 1.588 | 1.588 |
| 0 | 0 | 22.072 |
| 3.144 | 0 | 3.144 |
| 0 | 0 | 0 |
| 20.44 | 0 | 3.7 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.092 | 0.092 | 0.752 |

| | | |
|---|---|---|
| 0 | 0.064 | 0.484 |
| 0 | 0.312 | 0 |
| 0 | 1.84 | 0 |
| 0 | 0.188 | 0.112 |
| 0 | 0.548 | 0 |
| 0 | 0.2 | 0 |
| 0 | 0.364 | 0 |
| 0 | 0.048 | 2.532 |
| 0 | 0.264 | 0 |
| 0 | 2.745 | 0 |
| 1.36 | 0.2 | 0.76 |
| 0 | 0.076 | 0 |
| 0 | 0.64 | 0 |
| 0 | 0.108 | 0.588 |
| 0 | 0.272 | 0 |
| 0 | 0.04 | 0 |
| 0 | 0.132 | 0 |
| 0 | 0.276 | 3.144 |
| 0 | 0.328 | 6.272 |
| 0 | 20.848 | 5.492 |
| 2.068 | 0.452 | 1.888 |
| 0 | 1.744 | 0 |
| 0 | 2.995 | 0 |
| 0 | 0.648 | 0 |
| 0 | 0.336 | 3.144 |
| 0 | 0.008 | 0.832 |
| 0.904 | 0.064 | 0.484 |
| 0.604 | 0.244 | 1.924 |
| 0 | 0 | 0 |
| 0 | 0.444 | 0 |
| 0 | 0.108 | 0 |
| 0 | 0.18 | 0 |
| 0 | 0.196 | 0 |
| 0 | 0.616 | 0 |
| 0 | 0.228 | 0 |
| 0 | 0.22 | 0 |
| 0 | 0.4 | 0 |
| 0 | 0.24 | 0 |
| 0 | 0.268 | 0 |
| 0 | 0.652 | 0 |
| 0 | 0.444 | 0 |
| 0 | 0.184 | 0 |
| 0 | 0.32 | 0 |
| 0 | 0.324 | 0 |
| 0 | 0.004 | 0 |
| 0 | 1.212 | 0 |
| 0 | 0.752 | 3.928 |

| | | |
|---|---|---|
| 0.236 | 0.236 | 0.236 |
| 0 | 0.348 | 0 |
| 4.54 | 4.48 | 4.06 |
| 1.072 | 0 | 0.592 |
| 0 | 0 | 0 |
| 0 | 0.88 | 0 |
| 0 | 0 | 0 |
| 0.408 | 0.408 | 0.408 |
| 0.156 | 0.096 | 0.696 |
| 2.505 | 1.365 | 1.905 |
| 0.16 | 0.22 | 0.16 |
| 0.316 | 1.456 | 0.916 |
| 0 | 0 | 0 |
| 0.612 | 0.012 | 0.012 |
| 0.028 | 0.028 | 0.028 |
| 0 | 0 | 0.04 |
| 0.048 | 0.312 | 0.672 |
| 0.084 | 0.504 | 1.104 |
| 0.212 | 0.032 | 0.212 |
| 2.312 | 2.492 | 2.912 |
| 0.088 | 0.268 | 0.268 |
| 2.516 | 2.156 | 2.876 |
| 0 | 0.955 | 0 |
| 0 | 0 | 4.668 |
| 2.424 | 2.484 | 2.124 |
| 0.352 | 0.352 | 0.832 |
| 0.004 | 0.004 | 0.004 |
| 0.604 | 0.184 | 0.184 |
| 0 | 0 | 0 |
| 0 | 1.056 | 0 |
| 0.528 | 0.468 | 0.528 |
| 0 | 0 | 1.26 |
| 2.176 | 2.176 | 2.176 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2.26 | 2.26 | 2.26 |
| 2.3 | 1.64 | 0.98 |
| 0 | 0 | 0 |
| 1.588 | 1.648 | 1.588 |
| 22.732 | 1.972 | 0 |
| 3.804 | 3.804 | 3.144 |
| 2.456 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.092 | 0.092 | 0.752 |

| | | |
|---|---|---|
| 0.236 | 0.484 | 0.484 |
| 0 | 0 | 0 |
| 3.58 | 3.1 | 2.14 |
| 0.592 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.716 | 0.116 | 0.484 |
| 0.408 | 0.408 | 0.132 |
| 0.096 | 0.444 | 0 |
| 2.505 | 14.535 | 0 |
| 0.38 | 0.16 | 0.76 |
| 0.316 | 0 | 0 |
| 0 | 0 | 0 |
| 0.012 | 0.528 | 0 |
| 0.028 | 0.628 | 0.628 |
| 0 | 0 | 0 |
| 0.672 | 0.048 | 0 |
| 0.324 | 1.104 | 1.284 |
| 0.148 | 0.452 | 1.472 |
| 0.452 | 0.272 | 1.892 |
| 0.688 | 0.688 | 1.048 |
| 1.076 | 3.176 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.684 | 1.044 | 1.764 |
| 2.092 | 1.252 | 1.252 |
| 0.004 | 0.484 | 0.484 |
| 0.604 | 1.024 | 1.024 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.192 | 0.168 | 0.168 |
| 1.62 | 1.98 | 1.98 |
| 2.176 | 2.836 | 3.556 |
| 0.616 | 0 | 0 |
| 1.332 | 0 | 0 |
| 1.6 | 0 | 2.92 |
| 2.3 | 3.62 | 5 |
| 0 | 0 | 0 |
| 1.648 | 1.588 | 2.308 |
| 0.652 | 0 | 0 |
| 3.144 | 3.144 | 3.144 |
| 1.796 | 0 | 0 |
| 20.44 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 3.364 | 0 |
| 0 | 0 | 0 |
| 0.092 | 0.092 | 0.568 |

| | | |
|---|---|---|
| 0.484 | 1.984 | 0.656 |
| 0 | 0 | 0.312 |
| 2.62 | 0 | 1.84 |
| 0 | 0 | 0.292 |
| 0 | 0 | 0.548 |
| 0 | 0 | 0.62 |
| 0.484 | 0 | 0.116 |
| 0.408 | 0 | 0.048 |
| 0.444 | 0 | 0.264 |
| 0 | 0 | 2.745 |
| 0.76 | 1.36 | 0.14 |
| 0.284 | 0 | 0.076 |
| 0 | 0 | 1.12 |
| 0.528 | 0 | 0.108 |
| 0.628 | 0 | 0.272 |
| 0 | 0 | 0.04 |
| 0 | 0 | 0.132 |
| 1.104 | 0 | 0.276 |
| 0.872 | 0 | 0.092 |
| 1.472 | 0 | 0.868 |
| 0.868 | 1.888 | 0.692 |
| 0 | 0 | 1.744 |
| 0 | 0 | 3.715 |
| 0 | 0 | 0.648 |
| 1.764 | 0 | 0.336 |
| 0.832 | 23.032 | 0.008 |
| 0.484 | 0.904 | 0.124 |
| 1.504 | 0 | 0.176 |
| 0 | 0 | 0 |
| 0 | 0 | 0.444 |
| 0.552 | 0 | 0.048 |
| 0 | 0 | 0.18 |
| 3.556 | 0 | 0.196 |
| 0 | 0 | 0.616 |
| 0 | 0 | 0.012 |
| 2.92 | 0 | 0.22 |
| 5 | 0 | 0.4 |
| 0 | 0 | 0.24 |
| 1.588 | 0 | 0.268 |
| 0 | 0 | 0.652 |
| 3.804 | 0 | 0.444 |
| 0 | 0 | 0.184 |
| 19.78 | 0 | 0.32 |
| 0 | 0 | 0.324 |
| 0 | 0 | 0.004 |
| 0 | 0 | 1.152 |
| 1.288 | 0 | 0.752 |

| | | |
|---|---|---|
| 0.484 | 0.236 | 0.236 |
| 0 | 0 | 0 |
| 0.68 | 2.62 | 2.62 |
| 1.072 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.624 | 0 | 0.116 |
| 1.932 | 0.408 | 0.408 |
| 0 | 0.156 | 0.156 |
| 0 | 0 | 0 |
| 0.16 | 0.76 | 0.22 |
| 0 | 0.284 | 0 |
| 0 | 0 | 0 |
| 0 | 0.528 | 0.588 |
| 0 | 0.572 | 0.028 |
| 0.76 | 0 | 0 |
| 0.252 | 0 | 0 |
| 1.704 | 1.704 | 1.704 |
| 5.072 | 1.232 | 1.052 |
| 4.112 | 1.292 | 1.712 |
| 0.868 | 1.288 | 0.448 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.812 | 0 | 0 |
| 2.424 | 2.124 | 1.764 |
| 0.772 | 0.352 | 0.352 |
| 0.484 | 0.484 | 0.484 |
| 0.604 | 0.604 | 0.604 |
| 0 | 0 | 0 |
| 3.216 | 0 | 0 |
| 0 | 0 | 0 |
| 3.06 | 0 | 0 |
| 5.536 | 0 | 4.216 |
| 2.596 | 0 | 0 |
| 0 | 0 | 0 |
| 3.58 | 3.58 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 1.588 | 1.588 |
| 3.292 | 0 | 0 |
| 4.464 | 3.144 | 3.144 |
| 0 | 0 | 0 |
| 3.02 | 19.78 | 0 |
| 2.316 | 0 | 0 |
| 0 | 0 | 0 |
| 4.188 | 0 | 0 |
| 1.948 | 0.568 | 1.288 |

| | | |
|---|---|---|
| 0.484 | 1.204 | 0.484 |
| 0 | 0 | 0 |
| 2.62 | 1.66 | 2.14 |
| 0.112 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.484 | 1.024 | 0.116 |
| 0.408 | 0.132 | 0.408 |
| 0.096 | 0.444 | 0.444 |
| 2.505 | 3.105 | 2.505 |
| 0.22 | 0.76 | 0.16 |
| 0.316 | 0.284 | 0.316 |
| 0 | 0 | 0 |
| 0.588 | 0.528 | 0.528 |
| 0.628 | 0.628 | 0.028 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.524 | 1.284 | 1.104 |
| 0.452 | 1.052 | 0.212 |
| 0.452 | 1.052 | 0.452 |
| 0.688 | 1.468 | 0.688 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.404 | 1.404 | 0.684 |
| 0.832 | 0.352 | 0.352 |
| 0.484 | 0.484 | 0.484 |
| 1.024 | 1.504 | 1.024 |
| 0 | 0 | 0 |
| 0 | 18.624 | 18.264 |
| 0.552 | 0 | 1.632 |
| 3.42 | 0 | 2.34 |
| 2.896 | 0 | 2.836 |
| 0 | 0 | 0 |
| 0 | 0 | 2.712 |
| 2.26 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.648 | 2.308 | 1.588 |
| 0 | 0 | 24.848 |
| 3.144 | 3.144 | 3.144 |
| 0 | 0 | 0 |
| 20.44 | 19.78 | 19.78 |
| 0 | 0 | 0 |
| 0 | 0 | 4.024 |
| 0 | 0 | 0 |
| 0 | 0.568 | 1.288 |

122] 1,2,4-Trichlorobenzene
123] Naphthalene
124] Dodecane
125] Hexachlorobutadiene

---

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

TOP_021319cal.M Wed May 22 13:56:38 2019

27.9732
28.1416
28.27253333
28.61206667

| | |
|---|---|
| 27.941 | 27.989 |
| 28.08 | 28.155 |
| 28.255 | 28.275 |
| 28.614 | 28.616 |

---

| | | |
|---|---|---|
| 28.024 | 28.006 | 28.015 |
| 28.209 | 28.172 | 28.255 |
| 28.273 | 28.264 | 28.291 |
| 28.614 | 28.614 | 28.623 |

--- --- ---

| | | |
|---|---|---|
| 0 | 28.026 | 0 |
| 28.227 | 28.22 | 0 |
| 28.292 | 28.293 | 0 |
| 28.623 | 28.616 | 28.616 |

--- --- ---

| | | |
|---|---|---|
| 27.943 | 28.024 | 28.017 |
| 28.082 | 28.209 | 28.146 |
| 28.257 | 28.329 | 28.275 |
| 28.616 | 28.614 | 28.616 |

--- --- ---

| | | |
|---|---|---|
| 28.015 | 27.989 | 27.989 |
| 28.163 | 28.146 | 28.118 |
| 28.273 | 28.266 | 28.266 |
| 28.614 | 28.616 | 28.616 |

--- --- ---

| | | |
|---|---|---|
| 27.997 | 0 | 27.989 |
| 28.135 | 0 | 28.118 |
| 28.264 | 28.273 | 28.257 |
| 28.614 | 28.623 | 28.616 |

--- --- ---

| | | |
|---|---|---|
| 0 | 27.941 | 0 |
| 0 | 28.089 | 0 |
| 0 | 28.264 | 0 |
| 28.616 | 28.614 | 28.623 |

--- --- ---

| | | | |
|---|---|---|---|
| | 27.978 | 27.997 | 27.978 |
| | 28.144 | 28.144 | 28.126 |
| | 28.264 | 28.264 | 28.255 |
| | 28.623 | 28.614 | 28.614 |

--- --- ---

| | | | |
|---|---|---|---|
| | 27.969 | 27.989 | 27.997 |
| | 28.107 | 28.118 | 28.162 |
| | 28.264 | 28.257 | 28.264 |
| | 28.614 | 28.616 | 28.614 |

--- --- ---

| | | |
|---|---|---|
| 28.006 | 0 | 27.941 |
| 28.181 | 0 | 28.089 |
| 28.273 | 0 | 28.264 |
| 28.614 | 28.623 | 28.614 |

--- --- ---

| | | | |
|---|---|---|---|
| | 28.024 | 28.006 | 28.07 |
| | 28.236 | 28.163 | 28.181 |
| | 28.291 | 28.273 | 28.273 |
| | 28.623 | 28.623 | 28.614 |

--- --- ---

| | | | |
|---|---|---|---|
| | 27.988 | 28.017 | 28.017 |
| | 28.144 | 28.174 | 28.164 |
| | 28.273 | 28.275 | 28.275 |
| | 28.623 | 28.616 | 28.625 |

--- --- ---

| | |
|---|---|
| 1.932 | 0.948 |
| 3.696 | 0.804 |
| 1.052 | 0.148 |
| 0.116 | 0.236 |

| | | |
|---|---|---|
| 3.048 | 1.968 | 2.508 |
| 4.044 | 1.824 | 6.804 |
| 0.028 | 0.512 | 1.108 |
| 0.116 | 0.116 | 0.656 |

| | | |
|---|---|---|
| 0 | 3.168 | 0 |
| 5.124 | 4.704 | 0 |
| 1.168 | 1.228 | 0 |
| 0.656 | 0.236 | 0.236 |

| | | |
|---|---|---|
| 1.812 | 3.048 | 2.628 |
| 3.576 | 4.044 | 0.264 |
| 0.932 | 3.388 | 0.148 |
| 0.236 | 0.116 | 0.236 |

| | | |
|---|---|---|
| 2.508 | 0.948 | 0.948 |
| 1.284 | 0.264 | 1.416 |
| 0.028 | 0.392 | 0.392 |
| 0.116 | 0.236 | 0.236 |

| | | |
|---|---|---|
| 1.428 | 0 | 0.948 |
| 0.396 | 0 | 1.416 |
| 0.512 | 0.028 | 0.932 |
| 0.116 | 0.656 | 0.236 |

| | | |
|---|---|---|
| 0 | 1.932 | 0 |
| 0 | 3.156 | 0 |
| 0 | 0.512 | 0 |
| 0.236 | 0.116 | 0.656 |

| | | |
|---|---|---|
| 0.288 | 1.428 | 0.288 |
| 0.144 | 0.144 | 0.936 |
| 0.512 | 0.512 | 1.052 |
| 0.656 | 0.116 | 0.116 |

| | | |
|---|---|---|
| 0.252 | 0.948 | 1.428 |
| 2.076 | 1.416 | 1.224 |
| 0.512 | 0.932 | 0.512 |
| 0.116 | 0.236 | 0.116 |

| | | |
|---|---|---|
| 1.968 | 0 | 1.932 |
| 2.364 | 0 | 3.156 |
| 0.028 | 0 | 0.512 |
| 0.116 | 0.656 | 0.116 |

| | | |
|---|---|---|
| 3.048 | 1.968 | 5.808 |
| 5.664 | 1.284 | 2.364 |
| 1.108 | 0.028 | 0.028 |
| 0.656 | 0.656 | 0.116 |

| | | |
|---|---|---|
| 0.888 | 2.628 | 2.628 |
| 0.144 | 1.944 | 1.344 |
| 0.028 | 0.148 | 0.148 |
| 0.656 | 0.236 | 0.776 |

| | Compound |
|---|---|
| | Internal Standards |
| 1) | Bromochloromethane |
| 62) | 1,4-Difluorobenzene |
| 89) | Chlorobenzene-d5 |
| | |
| | Target Compounds |
| 2] | Propylene |
| 3] | Propane |
| 4] | Dichlorodifluoromethane |
| 5] | Chloromethane |
| 6] | Isobutane |
| 7] | Dichlorotetrafluoroethane |
| 8] | Vinyl Chloride |
| 9] | 1-Butene |
| 10] | 1,3-Butadiene |
| 11] | Butane |
| 12) | trans-2-butene |
| 13] | Bromomethane |
| 14] | cis-2-butene |
| 15] | Chloroethane |
| 16] | Ethanol |
| 17] | Vinyl Bromide |
| 18] | Acetonitrile |
| 19] | Acrolein |
| 20] | Acetone |
| 21] | iso-Pentane |
| 22] | Trichlorofluoromethane |
| 23] | Isopropyl Alcohol |
| 24] | 1-Pentene |
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |

| | 032419 cal | | | 061518 cal | | |
|---|---|---|---|---|---|---|
| | low quad | | | high quad | | |
| CF | x2 | x1 | xo | x2 | x1 | xo |
| 2.114583333 | -0.044198919 | 1.002745061 | -0.262125559 | 0.003899355 | 0.785818656 | -0.191240082 |
| 1.0625 | 0.996979735 | 3.22407515 | -0.683150336 | 0.234468865 | 3.929161923 | -0.854472027 |
| 1.044791667 | 0.113060315 | 0.764643307 | -0.000357847 | 0.038508604 | 0.629149669 | 0.058010489 |
| 1.173958333 | 0.002842193 | 1.38865818 | -0.018267284 | 0.029977186 | 1.336851583 | -0.049747745 |
| 1.097916667 | 0.212032272 | 0.78219734 | -0.188726618 | 0.163375919 | 0.451029903 | 0.027873734 |
| 1.05625 | 0.081135178 | 0.337747449 | 0.016244772 | 0.039608105 | 0.146323811 | 0.231727024 |
| 1.083333333 | 0.017965237 | 1.243551795 | -0.007332403 | 0.07741933 | 1.082533115 | 0.002387045 |
| 1.070833333 | 0.001541359 | 0.770334426 | -0.786403477 | 0.031754353 | 0.663397017 | -0.733575081 |
| 1.759375 | 0.028997535 | 0.852893469 | -0.001561545 | 0.037180226 | 0.748894427 | 0.016595448 |
| 1.104166667 | 0.019495846 | 0.551442543 | -0.007148281 | 0.018511998 | 0.575586554 | -0.056755184 |
| 1.080208333 | 0.021695635 | 0.837558806 | -0.010352205 | 0.040525103 | 0.797899942 | -0.022872448 |
| 1.0125 | 0.133252577 | 1.531622975 | -0.003559412 | 0.191035699 | 1.380405883 | 0.003266273 |
| 1.130208333 | 0.041388895 | 0.783144827 | -0.008067357 | 0.043493891 | 0.741933081 | 5.91055E-06 |
| 1.086458333 | 0.543032131 | 2.429110752 | -0.007728195 | 0.476495409 | 2.368178596 | -0.016978953 |
| 1.145833333 | 0.560976168 | 1.022450701 | -0.000323738 | 0.210503858 | 0.688289628 | 0.164445704 |
| 1.042708333 | 0.120829565 | 1.77639772 | -0.005654739 | 0.144923028 | 1.532735258 | 0.017275347 |
| 1.104166667 | 0.172797066 | 1.334789621 | -0.025230821 | 0.152486056 | 1.172214875 | 0.016848181 |
| 1.145833333 | 0.769707636 | 3.304688387 | -0.020342591 | 0.605941138 | 3.03782837 | 0.002265053 |
| 0.969791667 | 0.015647772 | 0.40014792 | -0.093128363 | 0.012808307 | 0.373045388 | -0.065914296 |
| 1.1125 | 0.069865133 | 0.927537062 | -0.01408246 | 0.07177098 | 0.892033316 | -0.007870537 |
| 1.017708333 | 0.017791345 | 0.430352168 | -0.004972448 | 0.020206298 | 0.36801273 | 0.041613432 |
| 0.271875 | 2.335467831 | 2.510332349 | -0.082915708 | 0.79355495 | 1.611907371 | 0.13685337 |
| 1.098958333 | 0.047771415 | 0.794260856 | -0.009454382 | 0.048872891 | 0.726948028 | 0.017625777 |
| 0.776041667 | 0.333112566 | 2.266553302 | 0.00126372 | 0.321314657 | 2.026807036 | 0.032508729 |
| 1.107291667 | 0.023898187 | 0.667906705 | -0.004595381 | 0.030462069 | 0.634639879 | 0.001028448 |
| 1.065625 | 0.044073279 | 1.190232903 | -0.004848543 | 0.083614449 | 1.086593136 | 0.009672679 |

QA: IS area response within 40% of MEAN ICAL
Highlighted cells are out of range
MEAN ICAL

| | | |
|---|---|---|
| 168241.6667 | IS1 | %D |
| 730261.2 | IS2 | %D |
| 456411.6667 | IS3 | %D |

| Nominal MDL TO15 | actual MDL TO15 |
|---|---|
| 2018 | |
| 0.003356242 | 0.007097054 |
| 0.019352848 | 0.020562401 |
| 0.003866751 | 0.004039949 |
| 0.008254613 | 0.009690571 |
| 0.004046468 | 0.004442685 |
| 0.002400523 | 0.002535553 |
| 0.005657225 | 0.006128661 |
| 0.007467189 | 0.007996115 |
| 0.005606108 | 0.009863246 |
| 0.005055853 | 0.005582504 |
| 0.007866808 | 0.008497792 |
| 0.005659629 | 0.005730374 |
| 0.012628333 | 0.014272648 |
| 0.010240069 | 0.011125409 |
| 0.007836927 | 0.008979812 |
| 0.007203949 | 0.007511618 |
| 0.021606105 | 0.023856741 |
| 0.007464306 | 0.00855285 |
| 0.003894138 | 0.003776502 |
| 0.005762706 | 0.006411011 |
| 0.002753041 | 0.002801793 |
| 0.011911668 | 0.003238485 |
| 0.022112381 | 0.024300586 |
| 0.01257612 | 0.009759593 |
| 0.004144117 | 0.004588746 |
| 0.007195492 | 0.007667696 |

| Ax | Ax | Ax |
|---|---|---|
| 041219003.D | 041219004.D | 041219006.D |
| 1 ppb | Ambient | Ambient dup |
| -43% | -20% | -22% |
| -43% | -23% | -24% |
| -47% | -29% | -30% |
| Response | Response | Response |
| --- | --- | --- |
| 95341 | 134996 | 131787 |
| 416170 | 563872 | 551839 |
| 239834 | 323558 | 317411 |
| | | |
| 199799 | 459265 | 369732 |
| 68135 | 594747 | 437000 |
| 150507 | 23180 | 19802 |
| 100731 | 24348 | 19605 |
| 166618 | 83149 | 73000 |
| 235951 | 1261 | 1030 |
| 86219 | 0 | 0 |
| 277492 | 198963 | 176864 |
| 127383 | 6147 | 6418 |
| 199154 | 35026 | 42449 |
| 131556 | 0 | 0 |
| 68913 | 0 | 0 |
| 138280 | 0 | 0 |
| 41547 | 0 | 0 |
| 87661 | 13879140 | 11961624 |
| 63052 | 684 | 683 |
| 88726 | 12984 | 15194 |
| 31280 | 8103 | 7345 |
| 816875 | 909756 | 865652 |
| 127362 | 45882 | 42402 |
| 231543 | 29869 | 30551 |
| 117389 | 108891 | 137257 |
| 142586 | 10612 | 5532 |
| 45383 | 1151 | 1063 |
| 170730 | 53621 | 45889 |
| 90991 | 5735 | 5372 |

| Ax | Ax | Ax |
|---|---|---|
| 041219007.D | 041219009.D | 041219011.D |
| System blank | Batch Blank 2 | Trip Blank |
| -27% | -25% | -22% |
| -30% | -28% | -25% |
| -43% | -43% | -42% |
| Response | Response | Response |
| --- | --- | --- |
| 122387 | 126245 | 131642 |
| 513576 | 525389 | 548026 |
| 261676 | 258096 | 264052 |
| 55199 | 48860 | 46060 |
| 41091 | 30629 | 33478 |
| 2121 | 5296 | 3270 |
| 6927 | 8246 | 5176 |
| 50417 | 59669 | 44934 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 172946 | 166396 | 158632 |
| 7102 | 5688 | 7142 |
| 20103 | 15506 | 12088 |
| 0 | 0 | 0 |
| 512 | 565 | 0 |
| 1293 | 0 | 0 |
| 1022 | 1427 | 589 |
| 1421069 | 217390 | 38102 |
| 611 | 665 | 673 |
| 20304 | 25796 | 18707 |
| 5907 | 2988 | 4216 |
| 332931 | 512250 | 271224 |
| 13559 | 14427 | 8911 |
| 2862 | 6446 | 4298 |
| 29411 | 9192 | 9085 |
| 3020 | 745 | 675 |
| 0 | 440 | 0 |
| 10531 | 6682 | 3417 |
| 941 | 940 | 890 |

| Ax | Ax | Ax |
|---|---|---|
| 041219013.D | 041519002.D | 041519003.D |
| Field Blank | Inst blank | 1 ppb |
| -25% | -23% | -45% |
| -27% | -26% | -44% |
| -43% | -45% | -49% |
| Response | Response | Response |
| --- | --- | --- |
| 126551 | 129694 | 93233 |
| 534236 | 537376 | 407894 |
| 261184 | 252914 | 231464 |
| 88408 | 44873 | 129809 |
| 78041 | 30993 | 47106 |
| 4481 | 1804 | 114426 |
| 6440 | 0 | 75464 |
| 60987 | 37987 | 136149 |
| 0 | 0 | 219606 |
| 0 | 0 | 81222 |
| 170732 | 158447 | 252461 |
| 7024 | 6231 | 117409 |
| 23353 | 8010 | 188422 |
| 0 | 0 | 124497 |
| 0 | 0 | 66262 |
| 0 | 0 | 128003 |
| 596 | 0 | 40462 |
| 8879870 | 6545 | 74619 |
| 845 | 764 | 59769 |
| 15006 | 9983 | 82924 |
| 5452 | 905 | 29116 |
| 424774 | 63628 | 385286 |
| 18789 | 2957 | 115717 |
| 6040 | 2137 | 248568 |
| 68775 | 5278 | 73053 |
| 3864 | 0 | 132958 |
| 0 | 0 | 46126 |
| 16749 | 0 | 159588 |
| 2158 | 689 | 90952 |

| Ax | Ax | Ax |
|---|---|---|
| 041519005.D | 041519006.D | 041519007.D |
| batch blank 1 | Sample 1 | Sample 1dup |
| -23% | -17% | -18% |
| -26% | -22% | -24% |
| -40% | -33% | -33% |
| Response | Response | Response |
| --- | --- | --- |
| 129182 | 139813 | 138141 |
| 542503 | 568317 | 557948 |
| 274033 | 307348 | 306307 |
| 43311 | 512344 | 527994 |
| 26979 | 611442 | 641340 |
| 2359 | 28157 | 26704 |
| 5340 | 26292 | 28261 |
| 42994 | 103071 | 107949 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 167655 | 172614 | 178977 |
| 5296 | 6331 | 8062 |
| 10216 | 76103 | 66453 |
| 0 | 0 | 0 |
| 0 | 0 | 625 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 27940 | 40245838 | 38594726 |
| 724 | 734 | 685 |
| 17851 | 0 | 0 |
| 3567 | 10826 | 11029 |
| 302578 | 1236835 | 1233717 |
| 10960 | 58472 | 58846 |
| 3789 | 38272 | 38340 |
| 10718 | 225493 | 232493 |
| 1657 | 6547 | 8347 |
| 0 | 0 | 2117 |
| 3478 | 77381 | 76441 |
| 861 | 3490 | 3317 |

| Ax | Ax | Ax |
|---|---|---|
| 041519009.D | 041519011.D | 041519013.D |
| Sample 2 | Sample 3 | Sample 4 |
| -14% | -18% | -13% |
| -22% | -24% | -21% |
| -29% | -31% | -29% |
| Response | Response | Response |
| --- | --- | --- |
| 144530 | 137653 | 146028 |
| 566721 | 556621 | 574051 |
| 322409 | 314252 | 325795 |
| 4838935 | 1492055 | 1400107 |
| 6813550 | 2015253 | 1909193 |
| 31148 | 34582 | 31727 |
| 28091 | 29968 | 31323 |
| 396183 | 177896 | 213040 |
| 0 | 1598 | 2361 |
| 0 | 0 | 0 |
| 201475 | 202290 | 238293 |
| 9977 | 8204 | 11392 |
| 121729 | 66453 | 259406 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 67861570 | 60202 | 72692591 |
| 582 | 756 | 814 |
| 0 | 27670 | 0 |
| 13922 | 8375 | 22520 |
| 1209942 | 1209959 | 1950596 |
| 48665 | 63504 | 101397 |
| 38080 | 40234 | 44970 |
| 681385 | 725721 | 282245 |
| 12475 | 73188 | 15043 |
| 1486 | 0 | 2881 |
| 47965 | 90706 | 133624 |
| 4068 | 7120 | 8294 |

| Ax | Ax | Ax |
|---|---|---|
| 041519015.D | 041519017.D | 041619002.D |
| Sample 5 | Sample 6 | Inst blank |
| -12% | -19% | -34% |
| -21% | -25% | -35% |
| -29% | -30% | -52% |
| Response | Response | Response |
| --- | --- | --- |
| 148354 | 135497 | 111253 |
| 578966 | 550130 | 476992 |
| 322021 | 321347 | 219049 |
| 1193970 | 1260021 | 35689 |
| 1574490 | 1657339 | 27734 |
| 30919 | 29731 | 1881 |
| 28352 | 29065 | 0 |
| 225396 | 247969 | 32773 |
| 1608 | 2017 | 0 |
| 0 | 0 | 0 |
| 245272 | 273018 | 143144 |
| 11115 | 13877 | 0 |
| 274897 | 206738 | 7582 |
| 0 | 4763 | 0 |
| 0 | 0 | 0 |
| 6107 | 0 | 124434 |
| 0 | 0 | 0 |
| 75281331 | 62448277 | 11190 |
| 794 | 691 | 683 |
| 0 | 34543 | 8835 |
| 23498 | 22291 | 830 |
| 3284695 | 2590944 | 45761 |
| 128783 | 134284 | 3371 |
| 49722 | 50474 | 0 |
| 542578 | 470863 | 0 |
| 17340 | 14026 | 0 |
| 3213 | 4189 | 0 |
| 118279 | 149488 | 1630 |
| 7463 | 8116 | 566 |

| Ax | Ax | Ax |
|---|---|---|
| 041619003.D | 041619005.D | 041619006.D |
| 1 ppb | batch blank 1 | Sample 7 |
| -53% | -34% | -18% |
| -51% | -36% | -25% |
| -56% | -49% | -31% |
| Response | Response | Response |
| --- | --- | --- |
| 78554 | 110994 | 137624 |
| 358591 | 463757 | 547675 |
| 200432 | 231970 | 316449 |
| | | |
| 101784 | 40895 | 935365 |
| 38732 | 29066 | 1108809 |
| 93568 | 3990 | 26700 |
| 59981 | 9017 | 24991 |
| 114888 | 55897 | 249035 |
| 191223 | 0 | 1779 |
| 70223 | 0 | 0 |
| 211314 | 162729 | 292344 |
| 100480 | 0 | 15683 |
| 163470 | 13921 | 174793 |
| 105164 | 0 | 0 |
| 59128 | 638 | 706 |
| 107847 | 0 | 0 |
| 35191 | 1449 | 953 |
| 68476 | 219308 | 76961020 |
| 51459 | 735 | 746 |
| 72698 | 21588 | 74009 |
| 24842 | 3057 | 38041 |
| 299673 | 540050 | 3503903 |
| 100415 | 16383 | 158051 |
| 222706 | 5624 | 45416 |
| 59209 | 8320 | 1029015 |
| 116582 | 0 | 24712 |
| 39626 | 0 | 4380 |
| 141097 | 6466 | 153553 |
| 80950 | 993 | 7740 |

| Ax | Ax | Ax |
|---|---|---|
| 041619007.D | 041619009.D | 041619011.D |
| Sample 7dup | Sample 8 | Sample 9 |
| -19% | -24% | -29% |
| -26% | -30% | -33% |
| -32% | -33% | -36% |
| Response | Response | Response |
| --- | --- | --- |
| 136984 | 128421 | 119857 |
| 537343 | 510062 | 492091 |
| 308318 | 307072 | 291641 |
| 1072650 | 1251904 | 1123322 |
| 1248294 | 1478778 | 1393443 |
| 30674 | 28732 | 28315 |
| 28640 | 30352 | 30377 |
| 254373 | 274052 | 254692 |
| 1985 | 0 | 1195 |
| 0 | 0 | 0 |
| 305242 | 415725 | 408195 |
| 15707 | 22472 | 19382 |
| 189714 | 119295 | 109800 |
| 0 | 0 | 9540 |
| 0 | 0 | 490 |
| 0 | 0 | 6586 |
| 1244 | 1163 | 1422 |
| 79508670 | 66564043 | 56386509 |
| 829 | 766 | 666 |
| 78533 | 49996 | 39004 |
| 39389 | 46853 | 48945 |
| 3537632 | 4817402 | 2967013 |
| 161108 | 194638 | 132627 |
| 44018 | 39387 | 34533 |
| 947292 | 721417 | 1474913 |
| 34875 | 31640 | 22001 |
| 4644 | 5377 | 2895 |
| 159353 | 157797 | 128723 |
| 7484 | 9442 | 12255 |

| Ax | Ax | Ax |
|---|---|---|
| 041619013.D | 041619015.D | 041619017.D |
| Sample 10 | Sample 11 | Sample 12 |
| -31% | -34% | -34% |
| -34% | -36% | -37% |
| -41% | -47% | -45% |
| Response | Response | Response |
| --- | --- | --- |
| 116042 | 111359 | 111485 |
| 479799 | 465446 | 458232 |
| 268095 | 241073 | 251044 |
| 1106460 | 763345 | 493245 |
| 1399630 | 1023340 | 590022 |
| 27488 | 3351 | 25183 |
| 31074 | 28908 | 24132 |
| 221723 | 213263 | 187038 |
| 2093 | 0 | 1443 |
| 0 | 0 | 0 |
| 284166 | 0 | 162589 |
| 12914 | 0 | 7311 |
| 66340 | 0 | 59053 |
| 6270 | 0 | 0 |
| 652 | 0 | 11558 |
| 221844 | 0 | 0 |
| 1131 | 0 | 527 |
| 78617 | 46717513 | 12957 |
| 710 | 721 | 522 |
| 36953 | 19304 | 31853 |
| 30964 | 21392 | 25492 |
| 2314687 | 1695582 | 955890 |
| 114592 | 76062 | 50369 |
| 34011 | 30870 | 29996 |
| 676139 | 1019593 | 135878 |
| 21799 | 14520 | 11679 |
| 4161 | 2346 | 1155 |
| 152354 | 76797 | 47102 |
| 10317 | 6706 | 3329 |

| Ax | Ax | Ax |
|---|---|---|
| 041719002.D | 041719003.D | 041719005.D |
| Inst blank | 1 ppb | batch blank 1 |
| -38% | -56% | -40% |
| -38% | -54% | -40% |
| -57% | -59% | -51% |
| Response | Response | Response |
| --- | --- | --- |
| 104590 | 74588 | 100268 |
| 451638 | 338934 | 438288 |
| 198527 | 185270 | 224873 |
| 35831 | 94985 | 37538 |
| 26693 | 35364 | 28386 |
| 1653 | 88746 | 2019 |
| 0 | 54752 | 3034 |
| 29391 | 107024 | 36832 |
| 0 | 176832 | 0 |
| 0 | 64530 | 0 |
| 133524 | 198912 | 144299 |
| 0 | 92763 | 5119 |
| 5777 | 142964 | 10745 |
| 0 | 97198 | 0 |
| 0 | 54155 | 0 |
| 0 | 100744 | 105788 |
| 0 | 32771 | 0 |
| 11997 | 61982 | 495335 |
| 479 | 46901 | 596 |
| 7509 | 65632 | 15745 |
| 783 | 22750 | 2663 |
| 39576 | 269218 | 259546 |
| 2259 | 93184 | 9438 |
| 1449 | 207030 | 3059 |
| 2940 | 54474 | 11262 |
| 0 | 107827 | 274 |
| 0 | 36636 | 0 |
| 835 | 132071 | 3061 |
| 581 | 76011 | 635 |

| Ax | Ax | Ax |
|---|---|---|
| 041719006.D | 041719007.D | 041719009.D |
| Sample 13 | Sample 13dup | Sample 14 |
| -38% | -35% | -35% |
| -41% | -38% | -39% |
| -50% | -49% | -46% |
| Response | Response | Response |
| --- | --- | --- |
| 104962 | 108832 | 109293 |
| 434422 | 454679 | 447228 |
| 228908 | 232245 | 247112 |
| 541292 | 555228 | 879018 |
| 644125 | 662251 | 1072854 |
| 21547 | 22138 | 24165 |
| 20517 | 19990 | 23633 |
| 174676 | 190266 | 228185 |
| 1551 | 1645 | 1278 |
| 0 | 0 | 0 |
| 163376 | 154002 | 190350 |
| 6894 | 5919 | 11187 |
| 110593 | 111199 | 159876 |
| 0 | 0 | 9857 |
| 0 | 496 | 0 |
| 0 | 0 | 6791 |
| 852 | 1079 | 567 |
| 37759032 | 38875953 | 50136212 |
| 534 | 709 | 657 |
| 0 | 24045 | 30567 |
| 12683 | 12134 | 18909 |
| 1257755 | 1234330 | 1648053 |
| 80423 | 81401 | 127178 |
| 31256 | 31433 | 30089 |
| 400249 | 412014 | 879033 |
| 10142 | 11781 | 16213 |
| 2315 | 2259 | 4256 |
| 103693 | 107021 | 156414 |
| 2877 | 2950 | 12217 |

| Ax | Ax |
|---|---|
| 041719011.D | 041719013.D |
| Sample 15 | Sample 16 |
| -36% | -36% |
| -39% | -38% |
| -47% | -41% |
| Response | Response |
| --- | --- |
| 107545 | 108462 |
| 445816 | 453689 |
| 244124 | 267495 |
| 555924 | 819733 |
| 665016 | 1026566 |
| 22828 | 22290 |
| 23118 | 20949 |
| 139837 | 153835 |
| 1283 | 941 |
| 0 | 0 |
| 168669 | 164856 |
| 8113 | 7336 |
| 64076 | 55028 |
| 0 | 5137 |
| 0 | 0 |
| 104714 | 4389 |
| 625 | 0 |
| 24172998 | 26349209 |
| 560 | 693 |
| 17576 | 10545 |
| 12156 | 11654 |
| 866436 | 990035 |
| 55840 | 68047 |
| 28910 | 26147 |
| 282596 | 780363 |
| 27575 | 8648 |
| 5838 | 2787 |
| 87800 | 100600 |
| 2916 | 8485 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041219003.D | 041219004.D | 041219006.D |
| 1 ppb | Ambient | Ambient dup |
| 2.095625177 | 3.402063765 | 2.805527101 |
| 0.714645326 | 4.405663872 | 3.315956809 |
| 1.578617803 | 0.171708791 | 0.150257613 |
| 1.056533915 | 0.1803609 | 0.148762776 |
| 1.747600717 | 0.615936768 | 0.553924135 |
| 2.474811466 | 0.009341018 | 0.007815642 |
| 0.90432238 | 0 | 0 |
| 2.910521182 | 1.473843669 | 1.342044359 |
| 1.336077868 | 0.045534683 | 0.048699796 |
| 2.088859987 | 0.25945954 | 0.322103091 |
| 1.379847075 | 0 | 0 |
| 0.722805509 | 0 | 0 |
| 1.450372872 | 0 | 0 |
| 0.435772648 | 0 | 0 |
| 0.919447037 | 102.8114907 | 90.76482506 |
| 0.661331431 | 0.005066817 | 0.005182605 |
| 0.930617468 | 0.096180628 | 0.1152921 |
| 0.328085504 | 0.060024001 | 0.055733874 |
| 8.567929852 | 6.739133011 | 6.568568979 |
| 1.335857606 | 0.339876737 | 0.321746455 |
| 2.428577422 | 0.221258408 | 0.231821045 |
| 1.23125413 | 0.8066239 | 1.04150637 |
| 1.495537072 | 0.078609737 | 0.041976826 |
| 0.476007174 | 0.008526179 | 0.008066046 |
| 1.790730116 | 0.397204362 | 0.348205817 |
| 0.954374299 | 0.04248274 | 0.040762746 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041219007.D | 041219009.D | 041219011.D |
| System blank | Batch Blank 2 | Trip Blank |
| 0.451020125 | 0.387025229 | 0.349888334 |
| 0.335746444 | 0.242615549 | 0.254310934 |
| 0.017330272 | 0.041950176 | 0.024840097 |
| 0.056599149 | 0.065317438 | 0.039318758 |
| 0.411947347 | 0.472644461 | 0.341334832 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.413107601 | 1.318040318 | 1.205025752 |
| 0.058029039 | 0.04505525 | 0.054253202 |
| 0.164257642 | 0.122824666 | 0.091824798 |
| 0 | 0 | 0 |
| 0.004183451 | 0.004475425 | 0 |
| 0.010564848 | 0 | 0 |
| 0.00835056 | 0.011303418 | 0.004474256 |
| 11.61127407 | 1.721969187 | 0.289436502 |
| 0.00499236 | 0.005267535 | 0.00511235 |
| 0.165899973 | 0.204332845 | 0.142105103 |
| 0.04826493 | 0.023668264 | 0.032026253 |
| 2.720313432 | 4.057586439 | 2.060315097 |
| 0.11078791 | 0.114277793 | 0.067691162 |
| 0.023384837 | 0.051059448 | 0.032649155 |
| 0.240311471 | 0.072810804 | 0.069012929 |
| 0.024675823 | 0.005901224 | 0.005127543 |
| 0 | 0.003485287 | 0 |
| 0.086046721 | 0.052928829 | 0.025956762 |
| 0.007688725 | 0.007445839 | 0.00676076 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041219013.D | 041519002.D | 041519003.D |
| Field Blank | Inst blank | 1 ppb |
| 0.698595823 | 0.345991333 | 1.392307445 |
| 0.616676281 | 0.238970191 | 0.505250287 |
| 0.035408649 | 0.013909664 | 1.227312218 |
| 0.050888575 | 0 | 0.809412976 |
| 0.481916382 | 0.292897127 | 1.460309118 |
| 0 | 0 | 2.355453541 |
| 0 | 0 | 0.871172224 |
| 1.349116167 | 1.221698768 | 2.707850225 |
| 0.055503315 | 0.048043857 | 1.259307327 |
| 0.184534298 | 0.06176076 | 2.020979696 |
| 0 | 0 | 1.33533191 |
| 0 | 0 | 0.710714018 |
| 0 | 0 | 1.372936621 |
| 0.004709564 | 0 | 0.433987966 |
| 70.16831159 | 0.050464941 | 0.800349662 |
| 0.00667715 | 0.005890789 | 0.641071294 |
| 0.1185767 | 0.076973491 | 0.889427563 |
| 0.043081445 | 0.006977964 | 0.312292858 |
| 3.356544002 | 0.490600953 | 4.13250673 |
| 0.148469787 | 0.022799821 | 1.241159246 |
| 0.047727794 | 0.016477246 | 2.666094623 |
| 0.543456788 | 0.040695792 | 0.783553034 |
| 0.030533145 | 0 | 1.426083039 |
| 0 | 0 | 0.494738987 |
| 0.132349804 | 0 | 1.711711518 |
| 0.017052414 | 0.005312505 | 0.975534414 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041519005.D | 041519006.D | 041519007.D |
| batch blank 1 | Sample 1 | Sample 1dup |
| 0.335271168 | 3.664494718 | 3.82213825 |
| 0.208844886 | 4.373284315 | 4.642647729 |
| 0.018261058 | 0.201390429 | 0.193309734 |
| 0.041337028 | 0.188051183 | 0.204580827 |
| 0.332817266 | 0.737206125 | 0.781440702 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1.29782013 | 1.234606224 | 1.295611006 |
| 0.040996424 | 0.045281912 | 0.05836066 |
| 0.079082225 | 0.544319913 | 0.481051969 |
| 0 | 0 | 0 |
| 0 | 0 | 0.004524363 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.216284002 | 287.8547631 | 279.3864674 |
| 0.005604496 | 0.005249869 | 0.004958702 |
| 0.138184886 | 0 | 0 |
| 0.027612206 | 0.077431998 | 0.079838716 |
| 2.342261306 | 8.846351913 | 8.930853259 |
| 0.084841541 | 0.41821576 | 0.425985044 |
| 0.029330712 | 0.273737063 | 0.277542511 |
| 0.082968215 | 1.61281855 | 1.683012285 |
| 0.012826864 | 0.046826833 | 0.06042377 |
| 0 | 0 | 0.015324922 |
| 0.026923256 | 0.553460694 | 0.553354905 |
| 0.006665015 | 0.024961913 | 0.024011698 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041519009.D | 041519011.D | 041519013.D |
| Sample 2 | Sample 3 | Sample 4 |
| 33.48048848 | 10.83924796 | 9.587935191 |
| 47.14280772 | 14.64009502 | 13.07415701 |
| 0.21551235 | 0.251225909 | 0.217266552 |
| 0.194361032 | 0.217706843 | 0.214499959 |
| 2.741181762 | 1.292351057 | 1.458898293 |
| 0 | 0.011608901 | 0.016168132 |
| 0 | 0 | 0 |
| 1.394001245 | 1.469564775 | 1.631830882 |
| 0.069030651 | 0.059599137 | 0.078012436 |
| 0.842240365 | 0.482757368 | 1.776412743 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 469.5327614 | 0.43734608 | 497.7989906 |
| 0.004026846 | 0.005492071 | 0.005574273 |
| 0 | 0.201012691 | 0 |
| 0.096326022 | 0.060841391 | 0.154216999 |
| 8.371562997 | 8.789921033 | 13.35768483 |
| 0.336712101 | 0.461333934 | 0.694366834 |
| 0.263474711 | 0.292285675 | 0.307954639 |
| 4.714488342 | 5.272104495 | 1.932814255 |
| 0.08631426 | 0.531684744 | 0.10301449 |
| 0.010281602 | 0 | 0.019729093 |
| 0.331868816 | 0.658946772 | 0.915057386 |
| 0.028146406 | 0.051724263 | 0.056797327 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041519015.D | 041519017.D | 041619002.D |
| Sample 5 | Sample 6 | Inst blank |
| 8.048114645 | 9.299253858 | 0.320791349 |
| 10.61306065 | 12.23155494 | 0.24928766 |
| 0.208413659 | 0.219421832 | 0.016907409 |
| 0.191110452 | 0.214506594 | 0 |
| 1.519311916 | 1.830070038 | 0.29458082 |
| 0.010838939 | 0.014885938 | 0 |
| 0 | 0 | 0 |
| 1.653288755 | 2.0149376 | 1.286652944 |
| 0.074922146 | 0.102415552 | 0 |
| 1.852980034 | 1.525775478 | 0.068150971 |
| 0 | 0.03515207 | 0 |
| 0 | 0 | 0 |
| 0.041165051 | 0 | 1.118477704 |
| 0 | 0 | 0 |
| 507.443891 | 460.883097 | 0.100581557 |
| 0.005352063 | 0.005099744 | 0.00613916 |
| 0 | 0.254935534 | 0.079413589 |
| 0.158391415 | 0.164512867 | 0.007460473 |
| 22.14092643 | 19.12178129 | 0.41132374 |
| 0.868079054 | 0.991047772 | 0.030300307 |
| 0.335157798 | 0.372510092 | 0 |
| 3.657319654 | 3.475080629 | 0 |
| 0.116882592 | 0.103515207 | 0 |
| 0.021657657 | 0.030915814 | 0 |
| 0.797275436 | 1.103256899 | 0.01465129 |
| 0.050305351 | 0.059898005 | 0.005087503 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041619003.D | 041619005.D | 041619006.D |
| 1 ppb | batch blank 1 | Sample 7 |
| 1.295720142 | 0.368443339 | 6.796525315 |
| 0.493062097 | 0.261870011 | 8.056799686 |
| 1.191129669 | 0.035947889 | 0.194006859 |
| 0.763563918 | 0.081238626 | 0.181588967 |
| 1.462535326 | 0.503603798 | 1.809531768 |
| 2.434287242 | 0 | 0.012926524 |
| 0.893945566 | 0 | 0 |
| 2.690047611 | 1.466106276 | 2.124222519 |
| 1.279120096 | 0 | 0.113955415 |
| 2.080988874 | 0.125421194 | 1.27007644 |
| 1.338747868 | 0 | 0 |
| 0.752705146 | 0.005748058 | 0.005129919 |
| 1.372902717 | 0 | 0 |
| 0.447984826 | 0.01305476 | 0.006924664 |
| 0.871706088 | 1.975854551 | 559.2122014 |
| 0.655078035 | 0.00662198 | 0.005420566 |
| 0.925452555 | 0.194497 | 0.537762309 |
| 0.316241057 | 0.027542029 | 0.276412544 |
| 3.814866207 | 4.86557832 | 25.45997064 |
| 1.278292639 | 0.147602573 | 1.148426147 |
| 2.83506887 | 0.050669406 | 0.330000581 |
| 0.753736283 | 0.074959007 | 7.477002558 |
| 1.484100109 | 0 | 0.179561704 |
| 0.504442804 | 0 | 0.031825844 |
| 1.796178425 | 0.058255401 | 1.115742894 |
| 1.030501311 | 0.00894643 | 0.056240191 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041619007.D | 041619009.D | 041619011.D |
| Sample 7dup | Sample 8 | Sample 9 |
| 7.830476552 | 9.748436782 | 9.372185187 |
| 9.112699293 | 11.51507931 | 11.62587917 |
| 0.223923962 | 0.223732879 | 0.236239852 |
| 0.209075512 | 0.236347638 | 0.253443687 |
| 1.856954097 | 2.13401235 | 2.124965584 |
| 0.014490743 | 0 | 0.009970215 |
| 0 | 0 | 0 |
| 2.228304036 | 3.237204196 | 3.405683439 |
| 0.114663026 | 0.174986957 | 0.16170937 |
| 1.384935467 | 0.928936856 | 0.916091676 |
| 0 | 0 | 0.079594851 |
| 0 | 0 | 0.004088205 |
| 0 | 0 | 0.054948814 |
| 0.009081353 | 0.009056151 | 0.011864138 |
| 580.4230421 | 518.3267768 | 470.4481924 |
| 0.006051802 | 0.005964757 | 0.005556622 |
| 0.573300531 | 0.389313274 | 0.325421127 |
| 0.287544531 | 0.364839084 | 0.408361631 |
| 25.82514746 | 37.51257193 | 24.75460757 |
| 1.176108159 | 1.515624392 | 1.106543631 |
| 0.321336798 | 0.306702175 | 0.288118341 |
| 6.915347778 | 5.617593696 | 12.30560585 |
| 0.254591777 | 0.24637715 | 0.183560409 |
| 0.03390177 | 0.041870099 | 0.024153783 |
| 1.163296443 | 1.228747635 | 1.073971483 |
| 0.054634118 | 0.073523801 | 0.102246844 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041619013.D | 041619015.D | 041619017.D |
| Sample 10 | Sample 11 | Sample 12 |
| 9.53499595 | 6.854811915 | 4.424317173 |
| 12.0614088 | 9.189558096 | 5.292389111 |
| 0.23687975 | 0.030091865 | 0.225886891 |
| 0.267782355 | 0.259592848 | 0.216459613 |
| 1.910713362 | 1.915094424 | 1.677696551 |
| 0.018036573 | 0 | 0.012943445 |
| 0 | 0 | 0 |
| 2.448820255 | 0 | 1.458393506 |
| 0.111287293 | 0 | 0.065578329 |
| 0.571689561 | 0 | 0.529694578 |
| 0.054032161 | 0 | 0 |
| 0.005618655 | 0 | 0.10367314 |
| 1.911756088 | 0 | 0 |
| 0.009746471 | 0 | 0.004727093 |
| 0.677487461 | 419.5216642 | 0.116221913 |
| 0.006118474 | 0.006474555 | 0.004682244 |
| 0.318445046 | 0.173349258 | 0.285715567 |
| 0.266834422 | 0.192099426 | 0.228658564 |
| 19.94697609 | 15.2262682 | 8.574157958 |
| 0.987504524 | 0.683034151 | 0.451800691 |
| 0.293092156 | 0.277211541 | 0.269058618 |
| 5.826674825 | 9.155910164 | 1.218800736 |
| 0.187854398 | 0.130389102 | 0.104758488 |
| 0.035857707 | 0.021067 | 0.010360138 |
| 1.312921184 | 0.689634426 | 0.4224963 |
| 0.088907465 | 0.06021965 | 0.029860519 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041719002.D | 041719003.D | 041719005.D |
| Inst blank | 1 ppb | batch blank 1 |
| 0.342585333 | 1.273462219 | 0.374376671 |
| 0.255215604 | 0.474124524 | 0.283101289 |
| 0.01580457 | 1.189816056 | 0.020136035 |
| 0 | 0.734059098 | 0.030258906 |
| 0.281011569 | 1.43486888 | 0.367335541 |
| 0 | 2.370783504 | 0 |
| 0 | 0.865152571 | 0 |
| 1.276642126 | 2.666809674 | 1.439133123 |
| 0 | 1.243671904 | 0.051053177 |
| 0.055234726 | 1.916715826 | 0.107162804 |
| 0 | 1.303131871 | 0 |
| 0 | 0.72605513 | 0 |
| 0 | 1.350673031 | 1.055052459 |
| 0 | 0.439360219 | 0 |
| 0.114705039 | 0.83099158 | 4.940110504 |
| 0.004579788 | 0.628800879 | 0.00594407 |
| 0.071794627 | 0.879927066 | 0.157029162 |
| 0.007486375 | 0.305008849 | 0.026558822 |
| 0.378391816 | 3.609400976 | 2.588522759 |
| 0.021598623 | 1.249316244 | 0.094127738 |
| 0.013854097 | 2.775647557 | 0.030508238 |
| 0.028109762 | 0.730331957 | 0.112318985 |
| 0 | 1.445634687 | 0.002732676 |
| 0 | 0.491178206 | 0 |
| 0.007983555 | 1.770673567 | 0.030528184 |
| 0.005555024 | 1.019078136 | 0.006333027 |

| Ax/Ais | Ax/Ais | Ax/Ais |
|---|---|---|
| 041719006.D | 041719007.D | 041719009.D |
| Sample 13 | Sample 13dup | Sample 14 |
| 5.157028258 | 5.10169803 | 8.042765776 |
| 6.136744727 | 6.085076081 | 9.816310285 |
| 0.205283817 | 0.203414437 | 0.221102907 |
| 0.195470742 | 0.183677595 | 0.216235258 |
| 1.664183228 | 1.74825419 | 2.087828132 |
| 0.014776776 | 0.01511504 | 0.011693338 |
| 0 | 0 | 0 |
| 1.556525219 | 1.41504337 | 1.741648596 |
| 0.065680913 | 0.054386577 | 0.102357882 |
| 1.053647987 | 1.021749118 | 1.462820126 |
| 0 | 0 | 0.090188759 |
| 0 | 0.004557483 | 0 |
| 0 | 0 | 0.062135727 |
| 0.008117223 | 0.009914363 | 0.005187889 |
| 359.7400202 | 357.2106825 | 458.732142 |
| 0.005087555 | 0.006514628 | 0.006011364 |
| 0 | 0.220936857 | 0.279679394 |
| 0.120834207 | 0.111492943 | 0.173011995 |
| 11.98295574 | 11.34160909 | 15.07921825 |
| 0.766210629 | 0.74795097 | 1.163642685 |
| 0.29778396 | 0.288821303 | 0.275305829 |
| 3.813275281 | 3.785779918 | 8.042903022 |
| 0.096625445 | 0.108249412 | 0.148344359 |
| 0.022055601 | 0.020756763 | 0.038941195 |
| 0.98790991 | 0.983359674 | 1.431143806 |
| 0.02740992 | 0.027105998 | 0.11178209 |

| Ax/Ais | Ax/Ais |
|---|---|
| 041719011.D | 041719013.D |
| Sample 15 | Sample 16 |
| 5.169222186 | 7.557789825 |
| 6.183606862 | 9.464752632 |
| 0.212264633 | 0.205509764 |
| 0.214961179 | 0.193145987 |
| 1.300265005 | 1.418330844 |
| 0.01192989 | 0.00867585 |
| 0 | 0 |
| 1.568357432 | 1.519942468 |
| 0.075438189 | 0.067636592 |
| 0.595806407 | 0.507348196 |
| 0 | 0.04736221 |
| 0 | 0 |
| 0.973676136 | 0.040465785 |
| 0.005811521 | 0 |
| 224.7710075 | 242.9349357 |
| 0.005207123 | 0.006389335 |
| 0.163429262 | 0.097222991 |
| 0.113031754 | 0.10744777 |
| 8.05649728 | 9.127943427 |
| 0.519224511 | 0.627381018 |
| 0.268817704 | 0.241070605 |
| 2.627700033 | 7.194805554 |
| 0.256404296 | 0.079732994 |
| 0.054284253 | 0.025695635 |
| 0.816402436 | 0.927513784 |
| 0.027114231 | 0.078230164 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041219003.D | 041219004.D | 041219006.D |
| 1 ppb | Ambient | Ambient dup |
| 1.64514628 | 2.52729638 | 2.044087211 |
| 2.073232631 | 21.00710586 | 14.75257792 |
| 1.488471861 | 0.134271592 | 0.117088234 |
| 1.452069817 | 0.232284811 | 0.188376261 |
| 1.825811527 | 0.373497884 | 0.309609641 |
| 1.34903399 | 0.019406756 | 0.018889441 |
| 1.131931268 | -0.007332403 | -0.007332403 |
| 1.468728246 | 0.352297204 | 0.25019561 |
| 1.189734161 | 0.037334812 | 0.040042966 |
| 1.229804911 | 0.137241194 | 0.172495769 |
| 1.186658874 | -0.010352205 | -0.010352205 |
| 1.173123628 | -0.003559412 | -0.003559412 |
| 1.214849568 | -0.008067357 | -0.008067357 |
| 1.153932436 | -0.007728195 | -0.007728195 |
| 1.414005165 | 2295.996959 | 1796.82107 |
| 1.221978837 | 0.003349045 | 0.003554875 |
| 1.36659842 | 0.104748578 | 0.130956742 |
| 1.146729168 | 0.180791192 | 0.16623141 |
| 4.070562857 | 3.029789174 | 2.937088556 |
| 1.349650395 | 0.309236365 | 0.291581794 |
| 1.145104257 | 0.091117568 | 0.095748366 |
| 3.324539752 | 3.461532094 | 2.676462405 |
| 1.285239208 | 0.053277457 | 0.023970343 |
| 1.155636941 | 0.020612974 | 0.019567516 |
| 1.26807993 | 0.264470524 | 0.230871209 |
| 1.171222428 | 0.045795355 | 0.043741851 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041219007.D | 041219009.D | 041219011.D |
| System blank | Batch Blank 2 | Trip Blank |
| 0.181141737 | 0.119341586 | 0.083312326 |
| 0.511706643 | 0.157744952 | 0.201245946 |
| 0.012927586 | 0.03191804 | 0.018705729 |
| 0.060338692 | 0.072448437 | 0.036337426 |
| 0.169479508 | 0.228341102 | 0.102968347 |
| 0.016244772 | 0.016244772 | 0.016244772 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.305239855 | 0.231606051 | 0.144107531 |
| 0.048028689 | 0.036924648 | 0.044796009 |
| 0.08395638 | 0.060876578 | 0.043652204 |
| -0.010352205 | -0.010352205 | -0.010352205 |
| 0.002850389 | 0.00329792 | -0.003559412 |
| 0.000211069 | -0.008067357 | -0.008067357 |
| 0.012594107 | 0.019798441 | 0.003151139 |
| 36.53685015 | 3.42369899 | 0.342605747 |
| 0.00321669 | 0.003705851 | 0.003429986 |
| 0.2009666 | 0.254725147 | 0.167939036 |
| 0.140951 | 0.058304827 | 0.08628367 |
| 1.111194555 | 1.788131444 | 0.797725637 |
| 0.089534955 | 0.092826826 | 0.04902373 |
| 0.005100997 | 0.01704748 | 0.009097152 |
| 0.655218292 | 0.11224489 | 0.10145301 |
| 0.010173746 | -0.004765608 | -0.00538052 |
| 0.00126372 | 0.009167354 | 0.00126372 |
| 0.053052744 | 0.030823089 | 0.012757416 |
| 0.004305436 | 0.004016184 | 0.003200351 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041219013.D | 041519002.D | 041519003.D |
| Field Blank | Inst blank | 1 ppb |
| 0.416817283 | 0.079524489 | 1.048323365 |
| 1.684201396 | 0.144241795 | 1.200321404 |
| 0.026858892 | 0.01029996 | 1.108400446 |
| 0.052406912 | -0.018267284 | 1.107592727 |
| 0.237470189 | 0.058566714 | 1.405682685 |
| 0.016244772 | 0.016244772 | 1.261944258 |
| -0.007332403 | -0.007332403 | 1.089649936 |
| 0.255672601 | 0.157013694 | 1.310848715 |
| 0.0458662 | 0.03948168 | 1.118479334 |
| 0.095275672 | 0.026983595 | 1.186933936 |
| -0.010352205 | -0.010352205 | 1.146752527 |
| -0.003559412 | -0.003559412 | 1.152294304 |
| -0.008067357 | -0.008067357 | 1.145157059 |
| 0.003723902 | -0.007728195 | 1.148754327 |
| 1084.895667 | 0.05270282 | 1.177332994 |
| 0.006211922 | 0.004813838 | 1.182800464 |
| 0.135473729 | 0.078536405 | 1.298664402 |
| 0.123456748 | 0.002754883 | 1.086755135 |
| 1.426279599 | 0.106950839 | 1.827712181 |
| 0.125168826 | 0.007101537 | 1.244764321 |
| 0.01560784 | 0.002123402 | 1.268849112 |
| 1.97111085 | 0.023112134 | 3.317935806 |
| 0.014841435 | -0.009454382 | 1.220380894 |
| 0.00126372 | 0.00126372 | 1.204150858 |
| 0.084220552 | -0.004595381 | 1.208688864 |
| 0.015460617 | 0.001475819 | 1.198207718 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041519005.D | 041519006.D | 041519007.D |
| batch blank 1 | Sample 1 | Sample 1dup |
| 0.069097691 | 2.74075081 | 2.869232133 |
| 0.033665724 | 20.81323158 | 22.44102629 |
| 0.013643051 | 0.158219509 | 0.15168006 |
| 0.039140575 | 0.242972038 | 0.26594451 |
| 0.09508841 | 0.503147839 | 0.551991635 |
| 0.016244772 | 0.016244772 | 0.016244772 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.215948216 | 0.167005621 | 0.214237621 |
| 0.033452774 | 0.037118561 | 0.048312646 |
| 0.03658295 | 0.298789187 | 0.262635794 |
| -0.010352205 | -0.010352205 | -0.010352205 |
| -0.003559412 | -0.003559412 | 0.003372933 |
| -0.008067357 | -0.008067357 | -0.008067357 |
| -0.007728195 | -0.007728195 | -0.007728195 |
| 0.247057767 | 17640.71832 | 16623.7204 |
| 0.00430487 | 0.003674447 | 0.003156858 |
| 0.162516502 | -0.025230821 | -0.025230821 |
| 0.071493997 | 0.240160983 | 0.248405772 |
| 0.929969244 | 4.23652826 | 4.287291708 |
| 0.065114109 | 0.386047878 | 0.393712411 |
| 0.007665394 | 0.114164032 | 0.115839038 |
| 0.141438805 | 4.800749661 | 5.097481755 |
| 0.000741354 | 0.027843089 | 0.038712268 |
| 0.00126372 | 0.00126372 | 0.036076705 |
| 0.013404165 | 0.37238519 | 0.372311735 |
| 0.003086336 | 0.02488941 | 0.023756382 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041519009.D | 041519011.D | 041519013.D |
| Sample 2 | Sample 3 | Sample 4 |
| 30.48930792 | 8.784575706 | 7.70160016 |
| 705.4712495 | 106.9231022 | 90.59461068 |
| 0.169683381 | 0.198876104 | 0.171110552 |
| 0.251741121 | 0.284187813 | 0.279730609 |
| 2.491847986 | 1.176277145 | 1.403705889 |
| 0.016244772 | 0.020176583 | 0.021726727 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.290438902 | 0.348981612 | 0.474756471 |
| 0.057452427 | 0.049373171 | 0.06515123 |
| 0.471128634 | 0.263608268 | 1.033963195 |
| -0.010352205 | -0.010352205 | -0.010352205 |
| -0.003559412 | -0.003559412 | -0.003559412 |
| -0.008067357 | -0.008067357 | -0.008067357 |
| -0.007728195 | -0.007728195 | -0.007728195 |
| 46731.23292 | 0.554139875 | 52506.45759 |
| 0.0015005 | 0.004105007 | 0.004251142 |
| -0.025230821 | 0.250060889 | -0.025230821 |
| 0.305126785 | 0.183568455 | 0.507602403 |
| 3.954704132 | 4.202729764 | 7.202465805 |
| 0.306151455 | 0.428691188 | 0.663653659 |
| 0.109649522 | 0.122333257 | 0.12924376 |
| 25.37404187 | 30.69192538 | 6.216910436 |
| 0.05945756 | 0.426346435 | 0.072872945 |
| 0.024602734 | 0.00126372 | 0.046110421 |
| 0.219694099 | 0.445896438 | 0.626588252 |
| 0.028687151 | 0.056833291 | 0.062895682 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041519015.D | 041519017.D | 041619002.D |
| Sample 5 | Sample 6 | Inst blank |
| 6.385688181 | 7.45348822 | 0.054998 |
| 67.25584451 | 82.28439429 | 0.182528458 |
| 0.16391518 | 0.172864984 | 0.01260261 |
| 0.247223615 | 0.279739831 | -0.018267284 |
| 1.489111058 | 1.952878525 | 0.060093422 |
| 0.019915128 | 0.021290439 | 0.016244772 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.491394863 | 0.7720302 | 0.207301263 |
| 0.062501837 | 0.086092164 | -0.001561545 |
| 1.081603412 | 0.87961538 | 0.030523614 |
| -0.010352205 | 0.019116529 | -0.010352205 |
| -0.003559412 | -0.003559412 | -0.003559412 |
| 0.024240976 | -0.008067357 | 0.919639863 |
| -0.007728195 | -0.007728195 | -0.007728195 |
| 54554.02938 | 45031.18969 | 0.108191146 |
| 0.003856115 | 0.003407577 | 0.005255405 |
| -0.025230821 | 0.326284932 | 0.081859361 |
| 0.522401982 | 0.544152912 | 0.004354789 |
| 14.4725526 | 11.75063979 | 0.074109379 |
| 0.843740692 | 0.973770914 | 0.014086341 |
| 0.141261953 | 0.157806872 | -0.004972448 |
| 16.64669461 | 15.32147813 | -0.082915708 |
| 0.084033516 | 0.073275584 | -0.009454382 |
| 0.050508201 | 0.071654445 | 0.00126372 |
| 0.543101066 | 0.761365594 | 0.005195444 |
| 0.055138074 | 0.066602159 | 0.001207912 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041619003.D | 041619005.D | 041619006.D |
| 1 ppb | batch blank 1 | Sample 7 |
| 0.96294626 | 0.101329154 | 5.32971828 |
| 1.148894894 | 0.229507044 | 46.02184643 |
| 1.070840315 | 0.027275568 | 0.152243639 |
| 1.04371908 | 0.094564156 | 0.233991441 |
| 1.408803683 | 0.258965876 | 1.920963893 |
| 1.319206214 | 0.016244772 | 0.02062423 |
| 1.118691926 | -0.007332403 | -0.007332403 |
| 1.296986629 | 0.346301761 | 0.856913366 |
| 1.136835896 | -0.001561545 | 0.096006842 |
| 1.224824564 | 0.062320981 | 0.724674537 |
| 1.149811772 | -0.010352205 | -0.010352205 |
| 1.224797334 | 0.005248849 | 0.004301196 |
| 1.145126654 | -0.008067357 | -0.008067357 |
| 1.1894579 | 0.02407581 | 0.009118621 |
| 1.317222567 | 2.346213212 | 66213.47006 |
| 1.209875646 | 0.006113829 | 0.003977893 |
| 1.358047839 | 0.24091851 | 0.742539617 |
| 1.101712792 | 0.071259106 | 0.951923396 |
| 1.661107631 | 2.052389233 | 17.73428458 |
| 1.285743208 | 0.124346515 | 1.143269264 |
| 1.358105579 | 0.016878918 | 0.138981502 |
| 3.136035079 | 0.118378962 | 56.55322851 |
| 1.274527322 | -0.009454382 | 0.134704716 |
| 1.229374893 | 0.00126372 | 0.073736097 |
| 1.272185925 | 0.034394895 | 0.770367207 |
| 1.268490893 | 0.00580332 | 0.062229785 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041619007.D | 041619009.D | 041619011.D |
| Sample 7dup | Sample 8 | Sample 9 |
| 6.201188769 | 7.839827027 | 7.5161089 |
| 54.42139567 | 75.48001926 | 76.51655156 |
| 0.176533176 | 0.176377394 | 0.186591189 |
| 0.272191376 | 0.310097562 | 0.33386193 |
| 1.994924263 | 2.446088976 | 2.430843022 |
| 0.021156021 | 0.016244772 | 0.019620252 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.937789204 | 1.723479018 | 1.854989451 |
| 0.09661505 | 0.148571605 | 0.137117604 |
| 0.79395799 | 0.521930449 | 0.514385024 |
| -0.010352205 | -0.010352205 | 0.056450612 |
| -0.003559412 | -0.003559412 | 0.002704404 |
| -0.008067357 | -0.008067357 | 0.035090491 |
| 0.014376201 | 0.014314736 | 0.021167547 |
| 71316.49937 | 56911.44715 | 46912.999 |
| 0.005100093 | 0.00494534 | 0.004219762 |
| 0.796798594 | 0.520610454 | 0.427436942 |
| 0.993543338 | 1.287790797 | 1.457521195 |
| 18.11038783 | 31.95173875 | 17.01748818 |
| 1.173441023 | 1.552203742 | 1.097823349 |
| 0.135152627 | 0.128691063 | 0.120496803 |
| 49.23316591 | 34.23439243 | 140.1387377 |
| 0.195854299 | 0.18913315 | 0.137950096 |
| 0.078486744 | 0.096748513 | 0.056203897 |
| 0.804718541 | 0.852175382 | 0.740281895 |
| 0.060310336 | 0.082900153 | 0.117309776 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041619013.D | 041619015.D | 041619017.D |
| Sample 10 | Sample 11 | Sample 12 |
| 7.656051991 | 5.378623656 | 3.361799146 |
| 80.64671972 | 55.05321126 | 26.50750986 |
| 0.187114712 | 0.022754075 | 0.178133942 |
| 0.35379468 | 0.34240998 | 0.282454299 |
| 2.079921126 | 2.086901875 | 1.720363127 |
| 0.022362973 | 0.016244772 | 0.02062998 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 1.109250169 | -0.786403477 | 0.340325582 |
| 0.093713791 | -0.001561545 | 0.054494488 |
| 0.314477472 | -0.007148281 | 0.290417918 |
| 0.034966247 | -0.010352205 | -0.010352205 |
| 0.005050456 | -0.003559412 | 0.156660965 |
| 1.640383137 | -0.008067357 | -0.008067357 |
| 0.015998648 | -0.007728195 | 0.003766573 |
| 0.949855829 | 37337.26465 | 0.126084843 |
| 0.005218628 | 0.005851711 | 0.002665438 |
| 0.417349195 | 0.211346515 | 0.370245362 |
| 0.916265678 | 0.642890049 | 0.775546673 |
| 12.47140623 | 8.583643109 | 4.074253674 |
| 0.969994631 | 0.652051605 | 0.419240566 |
| 0.122688727 | 0.115693338 | 0.112105473 |
| 36.47021472 | 81.41959218 | 3.280253482 |
| 0.141436831 | 0.094920754 | 0.074275444 |
| 0.082965432 | 0.049161039 | 0.024781279 |
| 0.913508269 | 0.46738195 | 0.281858632 |
| 0.101320426 | 0.066986694 | 0.030731728 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041719002.D | 041719003.D | 041719005.D |
| Inst blank | 1 ppb | batch blank 1 |
| 0.076212798 | 0.943154738 | 0.107083971 |
| 0.20462223 | 1.069577887 | 0.30949377 |
| 0.011755253 | 1.069482258 | 0.01508488 |
| -0.018267284 | 1.002621382 | 0.023754596 |
| 0.047823542 | 1.370166369 | 0.127212924 |
| 0.016244772 | 1.273000404 | 0.016244772 |
| -0.007332403 | 1.081976412 | -0.007332403 |
| 0.199550033 | 1.278893775 | 0.325402627 |
| -0.001561545 | 1.104009162 | 0.042056957 |
| 0.023369977 | 1.1214342 | 0.052169736 |
| -0.010352205 | 1.117939869 | -0.010352205 |
| -0.003559412 | 1.178728208 | -0.003559412 |
| -0.008067357 | 1.125211731 | 0.864262976 |
| -0.007728195 | 1.164351949 | -0.007728195 |
| 0.124337411 | 1.2367046 | 8.701954295 |
| 0.00248332 | 1.159120577 | 0.004908562 |
| 0.071490578 | 1.283078562 | 0.188630932 |
| 0.004440686 | 1.059222817 | 0.067968971 |
| 0.060524789 | 1.555021585 | 1.047510748 |
| 0.005983656 | 1.253749535 | 0.073843512 |
| 0.000993108 | 1.326601922 | 0.008173398 |
| -0.010505473 | 2.996163195 | 0.228505496 |
| -0.009454382 | 1.238592215 | -0.007283568 |
| 0.00126372 | 1.194910719 | 0.00126372 |
| 0.000738412 | 1.252976992 | 0.015816871 |
| 0.00176459 | 1.253862779 | 0.002691003 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041719006.D | 041719007.D | 041719009.D |
| Sample 13 | Sample 13dup | Sample 14 |
| 3.964952057 | 3.919259189 | 6.381149331 |
| 32.08780374 | 31.73672571 | 60.30880809 |
| 0.161375575 | 0.159859787 | 0.174234134 |
| 0.253283358 | 0.236893999 | 0.28214247 |
| 1.700217685 | 1.826807048 | 2.368621242 |
| 0.021253307 | 0.021368375 | 0.020205261 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.416375844 | 0.306739482 | 0.559923861 |
| 0.054582372 | 0.044910184 | 0.086042636 |
| 0.595521828 | 0.576640754 | 0.841231014 |
| -0.010352205 | -0.010352205 | 0.065362656 |
| -0.003559412 | 0.003423701 | -0.003559412 |
| -0.008067357 | -0.008067357 | 0.040753713 |
| 0.01202522 | 0.016408269 | 0.004888378 |
| 27489.68071 | 27106.20991 | 44613.32185 |
| 0.00338591 | 0.005922959 | 0.0050282 |
| -0.025230821 | 0.278108162 | 0.361598615 |
| 0.390215237 | 0.357674831 | 0.574447916 |
| 6.243432657 | 5.812580093 | 8.471707605 |
| 0.737622629 | 0.718754483 | 1.15984114 |
| 0.124757178 | 0.12080654 | 0.114854478 |
| 17.82263668 | 17.61251229 | 64.43497997 |
| 0.067737443 | 0.077083671 | 0.109420995 |
| 0.051415958 | 0.048453549 | 0.090031151 |
| 0.67856009 | 0.675306596 | 1.000222775 |
| 0.027808758 | 0.027446291 | 0.128748885 |

| Nom conc | Nom conc |
|---|---|
| 041719011.D | 041719013.D |
| Sample 15 | Sample 16 |
| 3.975025271 | 5.97054407 |
| 32.40730514 | 57.33815617 |
| 0.167042961 | 0.161558838 |
| 0.280371649 | 0.2500525 |
| 1.186817857 | 1.347225339 |
| 0.020285609 | 0.019181125 |
| -0.007332403 | -0.007332403 |
| 0.425547596 | 0.388021419 |
| 0.062944216 | 0.056257918 |
| 0.328325458 | 0.277643372 |
| -0.010352205 | 0.029365098 |
| -0.003559412 | -0.003559412 |
| 0.793700616 | 0.023690987 |
| 0.006406973 | -0.007728195 |
| 10789.94913 | 12590.76084 |
| 0.003598458 | 0.005700193 |
| 0.19752812 | 0.106174749 |
| 0.363026056 | 0.343625099 |
| 3.770875563 | 4.406402759 |
| 0.486352744 | 0.595336088 |
| 0.111999489 | 0.099806755 |
| 9.851806557 | 52.81276555 |
| 0.197338157 | 0.054178113 |
| 0.125283483 | 0.05972419 |
| 0.556613731 | 0.63545647 |
| 0.027456109 | 0.088533299 |

| | | |
|---|---|---|
| LB>0 | LB>0 | LB>0 |
| 041219009.D | 041519005.D | 041619005.D |
| Batch Blank 2 | batch blank 1 | batch blank 1 |
| 0.119341586 | 0.069097691 | 0.101329154 |
| 0.157744952 | 0.033665724 | 0.229507044 |
| 0.03191804 | 0.013643051 | 0.027275568 |
| 0.072448437 | 0.039140575 | 0.094564156 |
| 0.228341102 | 0.09508841 | 0.258965876 |
| 0.016244772 | 0.016244772 | 0.016244772 |
| 0 | 0 | 0 |
| 0.231606051 | 0.215948216 | 0.346301761 |
| 0.036924648 | 0.033452774 | 0 |
| 0.060876578 | 0.03658295 | 0.062320981 |
| 0 | 0 | 0 |
| 0.00329792 | 0 | 0.005248849 |
| 0 | 0 | 0 |
| 0.019798441 | 0 | 0.02407581 |
| 3.42369899 | 0.247057767 | 2.346213212 |
| 0.003705851 | 0.00430487 | 0.006113829 |
| 0.254725147 | 0.162516502 | 0.24091851 |
| 0.058304827 | 0.071493997 | 0.071259106 |
| 1.788131444 | 0.929969244 | 2.052389233 |
| 0.092826826 | 0.065114109 | 0.124346515 |
| 0.01704748 | 0.007665394 | 0.016878918 |
| 0.11224489 | 0.141438805 | 0.118378962 |
| 0 | 0.000741354 | 0 |
| 0.009167354 | 0.00126372 | 0.00126372 |
| 0.030823089 | 0.013404165 | 0.034394895 |
| 0.004016184 | 0.003086336 | 0.00580332 |

LB>0

041719005.D

batch blank 1

| | Target Compounds |
|---|---|
| 0.107083971 | Propylene |
| 0.30949377 | Propane |
| 0.01508488 | Dichlorodifluoromethane |
| 0.023754596 | Chloromethane |
| 0.127212924 | Isobutane |
| 0.016244772 | Dichlorotetrafluoroethane |
| 0 | Vinyl Chloride |
| 0.325402627 | 1-Butene |
| 0.042056957 | 1,3-Butadiene |
| 0.052169736 | Butane |
| 0 | trans-2-butene |
| 0 | Bromomethane |
| 0.864262976 | cis-2-butene |
| 0 | Chloroethane |
| 8.701954295 | Ethanol |
| 0.004908562 | Vinyl Bromide |
| 0.188630932 | Acetonitrile |
| 0.067968971 | Acrolein |
| 1.047510748 | Acetone |
| 0.073843512 | iso-Pentane |
| 0.008173398 | Trichlorofluoromethane |
| 0.228505496 | Isopropyl Alcohol |
| 0 | 1-Pentene |
| 0.00126372 | Acrylonitrile |
| 0.015816871 | n-Pentane |
| 0.002691003 | Isoprene |

| | | | | |
|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc |
| 041219003.D | | 041219004.D | | 041219006.D |
| 1 ppb | | Ambient | | Ambient dup |
| | 1 | | 3.295454545 | 3.295454545 |

| | | |
|---|---|---|
| 3.23 | 16.78 | 13.41 |
| 2.04 | max | 51.10 |
| 1.52 | 0.35 | 0.29 |
| 1.62 | 0.62 | 0.45 |
| 1.75 | 0.53 | 0.29 |
| 1.41 | 0.00 | 0.00 |
| 1.23 | 0.00 | 0.00 |
| 1.32 | 0.43 | 0.00 |
| 2.03 | 0.00 | 0.00 |
| 1.29 | 0.28 | 0.41 |
| 1.28 | 0.00 | 0.00 |
| 1.18 | 0.00 | 0.00 |
| 1.37 | 0.00 | 0.00 |
| 1.23 | 0.00 | 0.00 |
| 0.00 | max | max |
| 1.27 | 0.00 | 0.00 |
| 1.23 | 0.00 | 0.00 |
| 1.25 | 0.46 | 0.41 |
| 2.21 | 3.97 | 3.67 |
| 1.40 | 0.79 | 0.73 |
| 1.15 | 0.25 | 0.26 |
| 0.87 | 3.00 | 2.30 |
| 1.41 | 0.00 | 0.00 |
| 0.89 | 0.00 | 0.00 |
| 1.37 | 0.85 | 0.73 |
| 1.24 | 0.15 | 0.14 |

| | | | | | |
|---|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc | |
| 041219007.D | | 041219009.D | | 041219011.D | |
| System blank | | Batch Blank 2 | | Trip Blank | |
| | 3.359550562 | | 1 | | 1 |
| | 0.44 | | 0.00 | | 0.00 |
| | 1.26 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.26 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.09 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | max | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.32 | | 0.00 | | 0.03 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.50 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.08 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |

| | | |
|---|---|---|
| Actual Conc | Actual Conc | Actual Conc |
| 041219013.D | 041519002.D | 041519003.D |
| Field Blank | Inst blank | 1 ppb |
| 1 | 1 | 1 |
| 0.63 | 0.00 | 1.96 |
| 1.62 | 0.00 | 1.11 |
| 0.00 | 0.00 | 1.12 |
| 0.00 | 0.00 | 1.22 |
| 0.00 | 0.00 | 1.29 |
| 0.00 | 0.00 | 1.32 |
| 0.00 | 0.00 | 1.18 |
| 0.03 | 0.00 | 1.16 |
| 0.00 | 0.00 | 1.90 |
| 0.04 | 0.00 | 1.24 |
| 0.00 | 0.00 | 1.24 |
| 0.00 | 0.00 | 1.16 |
| 0.00 | 0.00 | 1.29 |
| 0.00 | 0.00 | 1.23 |
| max | 0.00 | 0.00 |
| 0.00 | 0.00 | 1.23 |
| 0.00 | 0.00 | 1.15 |
| 0.07 | 0.00 | 1.18 |
| 0.00 | 0.00 | 0.04 |
| 0.04 | 0.00 | 1.28 |
| 0.00 | 0.00 | 1.27 |
| 0.51 | 0.00 | 0.87 |
| 0.00 | 0.00 | 1.34 |
| 0.00 | 0.00 | 0.93 |
| 0.06 | 0.00 | 1.30 |
| 0.00 | 0.00 | 1.27 |

| | | | | |
|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc |
| 041519005.D | | 041519006.D | | 041519007.D |
| batch blank 1 | | Sample 1 | | Sample 1dup |
| | 1 | | 2.561403509 | 2.561403509 |
| | 0.00 | | 14.20 | 14.89 |
| | 0.00 | | max | max |
| | 0.00 | | 0.34 | 0.32 |
| | 0.00 | | 0.51 | 0.58 |
| | 0.00 | | 0.77 | 0.91 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.67 | 0.57 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | max | max |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.53 | 0.56 |
| | 0.00 | | 6.08 | 6.21 |
| | 0.00 | | 0.84 | 0.86 |
| | 0.00 | | 0.25 | 0.26 |
| | 0.00 | | 3.26 | 3.47 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.00 | 0.00 |
| | 0.00 | | 0.97 | 0.97 |
| | 0.00 | | 0.00 | 0.00 |

| | | |
|---|---|---|
| Actual Conc | Actual Conc | Actual Conc |
| 041519009.D | 041519011.D | 041519013.D |
| Sample 2 | Sample 3 | Sample 4 |
| 2.7 | 2.646017699 | 2.605263158 |
| max | 48.48 | 41.77 |
| max | max | max |
| 0.39 | 0.46 | 0.38 |
| 0.57 | 0.66 | 0.63 |
| 6.71 | 2.75 | 3.36 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.17 | 0.33 | 0.68 |
| 0.10 | 0.00 | 0.13 |
| 1.22 | 0.59 | 2.80 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| max | 0.00 | max |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.76 | 0.38 | 1.34 |
| 5.67 | 6.20 | 13.68 |
| 0.64 | 0.99 | 1.65 |
| 0.25 | 0.28 | 0.30 |
| max | max | 4.32 |
| 0.00 | 1.24 | 0.21 |
| 0.00 | 0.00 | 0.00 |
| 0.56 | 1.22 | 1.72 |
| 0.07 | 0.15 | 0.16 |

| | | | | | |
|---|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc | |
| 041519015.D | | 041519017.D | | 041619002.D | |
| Sample 5 | | Sample 6 | | Inst blank | |
| | 2.622807018 | | 2.614035088 | | 1 |
| 34.75 | | 40.54 | | 0.00 | |
| max | | max | | 0.00 | |
| 0.36 | | 0.38 | | 0.00 | |
| 0.54 | | 0.64 | | 0.00 | |
| 3.63 | | 4.95 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.73 | | 1.51 | | 0.00 | |
| 0.12 | | 0.23 | | 0.00 | |
| 2.96 | | 2.36 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 1.04 | |
| 0.00 | | 0.00 | | 0.00 | |
| max | | max | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.21 | | 0.00 | |
| 1.39 | | 1.46 | | 0.00 | |
| 32.26 | | 25.26 | | 0.00 | |
| 2.19 | | 2.56 | | 0.00 | |
| 0.33 | | 0.37 | | 0.00 | |
| 11.79 | | 10.81 | | 0.00 | |
| 0.24 | | 0.21 | | 0.00 | |
| 0.08 | | 0.13 | | 0.00 | |
| 1.49 | | 2.11 | | 0.00 | |
| 0.14 | | 0.17 | | 0.00 | |

| Actual Conc | Actual Conc | Actual Conc |
|---|---|---|
| 041619003.D | 041619005.D | 041619006.D |
| 1 ppb | batch blank 1 | Sample 7 |
| 1 | 1 | 2.637168142 |
| 1.78 | 0.00 | 29.06 |
| 1.05 | 0.08 | max |
| 1.09 | 0.00 | 0.33 |
| 1.14 | 0.00 | 0.50 |
| 1.30 | 0.03 | 4.90 |
| 1.38 | 0.00 | 0.00 |
| 1.21 | 0.00 | 0.00 |
| 1.14 | 0.12 | 1.77 |
| 1.94 | 0.00 | 0.27 |
| 1.29 | 0.00 | 1.93 |
| 1.24 | 0.00 | 0.00 |
| 1.24 | 0.00 | 0.00 |
| 1.29 | 0.00 | 0.00 |
| 1.27 | 0.00 | 0.00 |
| 0.00 | 0.00 | max |
| 1.26 | 0.00 | 0.00 |
| 1.22 | 0.00 | 1.42 |
| 1.20 | 0.00 | 2.70 |
| 0.00 | 0.26 | 40.78 |
| 1.33 | 0.04 | 3.08 |
| 1.36 | 0.00 | 0.33 |
| 0.82 | 0.00 | max |
| 1.40 | 0.00 | 0.39 |
| 0.95 | 0.00 | 0.13 |
| 1.37 | 0.00 | 2.16 |
| 1.35 | 0.00 | 0.16 |

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|---|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc | |
| 041619007.D | | 041619009.D | | 041619011.D | |
| Sample 7dup | | Sample 8 | | Sample 9 | |
| | 2.637168142 | | 2.601769912 | | 2.669642857 |
| 33.92 | | 42.48 | | 41.76 | |
| max | | max | | max | |
| 0.40 | | 0.39 | | 0.43 | |
| 0.62 | | 0.73 | | 0.82 | |
| 5.11 | | 6.34 | | 6.46 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 1.99 | | 4.16 | | 4.64 | |
| 0.28 | | 0.51 | | 0.47 | |
| 2.13 | | 1.32 | | 1.34 | |
| 0.00 | | 0.00 | | 0.16 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| max | | max | | max | |
| 0.00 | | 0.00 | | 0.00 | |
| 1.58 | | 0.76 | | 0.51 | |
| 2.83 | | 3.67 | | 4.28 | |
| 41.74 | | max | | 39.43 | |
| 3.17 | | 4.22 | | 2.98 | |
| 0.32 | | 0.30 | | 0.28 | |
| max | | max | | max | |
| 0.57 | | 0.54 | | 0.40 | |
| 0.14 | | 0.18 | | 0.10 | |
| 2.26 | | 2.37 | | 2.10 | |
| 0.16 | | 0.22 | | 0.32 | |

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|---|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc | |
| 041619013.D | | 041619015.D | | 041619017.D | |
| Sample 10 | | Sample 11 | | Sample 12 | |
| | 2.584070796 | | 2.561403509 | | 2.693693694 |
| 41.18 | | 28.49 | | 18.47 | |
| max | | max | | max | |
| 0.42 | | 0.00 | | 0.41 | |
| 0.85 | | 0.81 | | 0.66 | |
| 5.25 | | 5.23 | | 4.41 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 2.43 | | 0.00 | | 0.31 | |
| 0.26 | | 0.00 | | 0.08 | |
| 0.72 | | 0.00 | | 0.68 | |
| 0.10 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.42 | |
| 4.79 | | 0.00 | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.00 | | max | | 0.00 | |
| 0.00 | | 0.00 | | 0.00 | |
| 0.46 | | 0.00 | | 0.34 | |
| 2.54 | | 1.72 | | 2.21 | |
| 26.77 | | 16.88 | | 5.97 | |
| 2.52 | | 1.59 | | 0.98 | |
| 0.28 | | 0.26 | | 0.26 | |
| max | | max | | 2.32 | |
| 0.40 | | 0.27 | | 0.22 | |
| 0.15 | | 0.08 | | 0.00 | |
| 2.53 | | 1.24 | | 0.75 | |
| 0.27 | | 0.17 | | 0.08 | |

| Actual Conc | Actual Conc | Actual Conc |
|---|---|---|
| 041719002.D | 041719003.D | 041719005.D |
| Inst blank | 1 ppb | batch blank 1 |
| 1 | 1 | 1 |
| 0.00 | 1.74 | 0.00 |
| 0.00 | 0.97 | 0.16 |
| 0.00 | 1.08 | 0.00 |
| 0.00 | 1.09 | 0.00 |
| 0.00 | 1.25 | 0.00 |
| 0.00 | 1.33 | 0.00 |
| 0.00 | 1.17 | 0.00 |
| 0.00 | 1.12 | 0.10 |
| 0.00 | 1.88 | 0.00 |
| 0.00 | 1.17 | 0.00 |
| 0.00 | 1.21 | 0.00 |
| 0.00 | 1.19 | 0.00 |
| 0.00 | 1.27 | 0.98 |
| 0.00 | 1.24 | 0.00 |
| 0.00 | 0.00 | 6.05 |
| 0.00 | 1.20 | 0.00 |
| 0.00 | 1.14 | 0.00 |
| 0.00 | 1.15 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 1.29 | 0.00 |
| 0.00 | 1.33 | 0.00 |
| 0.00 | 0.78 | 0.03 |
| 0.00 | 1.36 | 0.00 |
| 0.00 | 0.92 | 0.00 |
| 0.00 | 1.35 | 0.00 |
| 0.00 | 1.33 | 0.00 |

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|---|---|---|---|---|---|
| Actual Conc | | Actual Conc | | Actual Conc | |
| 041719006.D | | 041719007.D | | 041719009.D | |
| Sample 13 | | Sample 13dup | | Sample 14 | |
| | 2.622807018 | | 2.622807018 | | 2.565217391 |
| | 21.33 | | 21.07 | | 33.97 |
| | max | | max | | max |
| | 0.35 | | 0.35 | | 0.38 |
| | 0.56 | | 0.51 | | 0.63 |
| | 4.24 | | 4.60 | | 6.03 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.52 | | 0.21 | | 0.90 |
| | 0.08 | | 0.00 | | 0.22 |
| | 1.55 | | 1.49 | | 2.21 |
| | 0.00 | | 0.00 | | 0.18 |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.12 |
| | 0.00 | | 0.00 | | 0.00 |
| | max | | max | | max |
| | 0.00 | | 0.00 | | 0.00 |
| | 0.00 | | 0.00 | | 0.30 |
| | 1.00 | | 0.90 | | 1.52 |
| | 11.33 | | 10.24 | | 16.63 |
| | 1.88 | | 1.83 | | 3.05 |
| | 0.29 | | 0.28 | | 0.26 |
| | 12.63 | | 12.48 | | max |
| | 0.20 | | 0.22 | | 0.31 |
| | 0.09 | | 0.08 | | 0.16 |
| | 1.88 | | 1.87 | | 2.75 |
| | 0.07 | | 0.07 | | 0.34 |

| | | | |
|---|---|---|---|
| Actual Conc | | Actual Conc | |
| 041719011.D | | 041719013.D | |
| Sample 15 | | Sample 16 | |
| | 2.7 | | 2.865384615 |
| | 22.01 | | 35.45 |
| | max | | max |
| | 0.38 | | 0.39 |
| | 0.66 | | 0.60 |
| | 2.84 | | 3.52 |
| | 0.00 | | 0.00 |
| | 0.00 | | 0.00 |
| | 0.56 | | 0.48 |
| | 0.12 | | 0.10 |
| | 0.80 | | 0.69 |
| | 0.00 | | 0.09 |
| | 0.00 | | 0.00 |
| | 2.42 | | 0.00 |
| | 0.00 | | 0.00 |
| | max | | max |
| | 0.00 | | 0.00 |
| | 0.00 | | 0.00 |
| | 0.94 | | 0.94 |
| | 5.19 | | 7.28 |
| | 1.18 | | 1.60 |
| | 0.26 | | 0.24 |
| | 7.15 | | max |
| | 0.59 | | 0.00 |
| | 0.24 | | 0.11 |
| | 1.57 | | 1.92 |
| | 0.07 | | 0.26 |

| | |
|---|---|
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |
| 41] | Methyl-t-Butyl-Ether |
| 42] | Vinyl Acetate |
| 43] | 2-Methylpentane |
| 44] | 2-Butanone |
| 45] | 3-Methylpentane |
| 46] | 2-Chloroprene |
| 47] | 1-Hexene |
| 48] | cis-1,2-Dichloroethene |
| 49] | Diisopropyl ether |
| 50] | Ethyl Acetate |
| 51] | n-Hexane |
| 52] | Chloroform |
| 53] | Tetrahydrofuran |
| 54] | Ethyl Tert-Butyl Ether |
| 55] | Methylcyclopentane |
| 56] | 1,2-Dichloroethane |
| 57] | 2,4-Dimethylpentane |
| 58] | 1,1,1-Trichloroethane |
| 59] | Benzene |
| 60] | Carbon Tetrachloride |
| 61] | Cyclohexane |
| 63] | 2-Methylhexane |
| 64] | 2,3-Dimethylpentane |
| 65] | Tert Amyl Methyl Ether |
| 66] | 3-methylhexane |
| 67] | 1,2-Dichloropropane |
| 68] | Ethyl acrylate |
| 69] | Bromodichloromethane |
| 70] | 1,4-Dioxane |
| 71] | Trichloroethene |
| 72] | Isooctane |
| 73] | Methyl Methacrylate |
| 74] | Heptane |
| 75] | cis-1,3-Dichloropropene |

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|---|---|---|---|---|---|---|
| 1.089583333 | 0.019733338 | 0.664501738 | -0.000672173 | 0.02785134 | 0.607468837 | 0.017997397 |
| 1.007291667 | 0.031733288 | 0.659976695 | 0.00288842 | 0.029192314 | 0.611251608 | 0.026777901 |
| 1.145833333 | 0.169442816 | 0.605423493 | 0.005367114 | 0.054476152 | 0.46227929 | 0.145008695 |
| 1.009375 | 0.052191831 | 0.807526912 | -0.004129794 | 0.041372837 | 0.744123175 | 0.019069534 |
| 1.011458333 | 0.234371605 | 1.681413976 | -0.009184129 | 0.196277757 | 1.546948678 | 0.017690252 |
| 1.004166667 | 0.079679216 | 1.153445977 | -0.002161434 | 0.068054253 | 0.973773938 | 0.046896962 |
| 0.996875 | 0.041239574 | 0.65995679 | -0.005052925 | 0.043488855 | 0.56792786 | 0.040238184 |
| 0.89375 | 0.024777518 | 0.559731803 | -0.013032915 | 0.019013241 | 0.492359826 | 0.02340258 |
| 1.113541667 | 0.057549665 | 0.952586483 | -0.00354642 | 0.056569428 | 0.987020938 | -0.033655438 |
| 1.044791667 | 0.087931371 | 0.982714801 | -0.003774978 | 0.057987272 | 0.911115512 | 0.015104787 |
| 1.085416667 | 0.495526251 | 2.249842164 | -0.000879946 | 0.418017891 | 2.219703184 | 0.007019889 |
| 1.083333333 | 0.815961874 | 2.460806449 | -0.003487593 | 0.618511024 | 2.017771063 | 0.092023237 |
| 1.094791667 | 0.04982137 | 0.686840755 | -0.003516741 | 0.03440427 | 0.67975179 | -0.002141187 |
| 1.114583333 | 0.042916446 | 0.717111546 | -0.003399414 | 0.021500019 | 0.675554105 | 0.018657849 |
| 0.005104167 | 0.018880759 | 0.417338751 | -0.009796026 | 0.012523112 | 0.418149366 | -0.004149874 |
| 1.09375 | 0.134686198 | 1.87110121 | -0.006570804 | 0.136941535 | 2.232999032 | -0.072048652 |
| 0.870833333 | -0.045219212 | 1.106021012 | -0.00269165 | -0.007618482 | 1.488173931 | -0.127956243 |
| 1.104166667 | -0.354885764 | 1.695715163 | -0.023204972 | 0.027946547 | 1.283585049 | -0.044832793 |
| 1.125 | -0.090421307 | 1.12027479 | -0.002934352 | 0.020415064 | 0.872711436 | 0.026235896 |
| 1.08125 | -0.919805074 | 3.748729388 | 0.004525067 | 0.098350743 | 2.736486225 | 0.063922256 |
| 1.088541667 | -0.127943028 | 2.186160866 | -0.002630827 | 0.052183265 | 1.754605308 | 0.038401104 |
| 1.135416667 | -0.016810685 | 0.670021458 | 0.010021576 | 0.004485567 | 0.508214596 | 0.075812737 |
| 1.047916667 | -144.8024742 | 44.07665295 | 0.010128441 | 2.727227571 | 30.43155422 | 0.082605851 |
| 2.178125 | -0.030166108 | 1.010303944 | 0.011448982 | 0.015161219 | 0.817491378 | 0.052693712 |
| 1.13125 | 0.081576821 | 1.000962303 | -0.006897699 | 0.053652769 | 0.886926231 | 0.045862288 |
| 1.066666667 | -0.172443696 | 2.200497222 | 0.01040738 | 0.054329639 | 1.600016055 | 0.082565207 |
| 1.114583333 | -0.071682759 | 1.02708777 | 0.013707065 | 0.007189613 | 0.725049351 | 0.08217939 |
| 1.098958333 | -1.061069389 | 4.867587306 | 0.008424562 | 0.118195696 | 4.120611875 | 0.02141429 |
| 1.103125 | 0.028493089 | 0.89181048 | 0.001393719 | 0.031773688 | 0.815804039 | 0.020012305 |
| 1.096875 | -0.027231783 | 0.927428424 | 0.015993998 | 0.011447434 | 0.809356013 | 0.025206772 |
| 1.127083333 | 0.042807692 | 0.752102343 | -0.006550343 | 0.027991306 | 0.698968327 | 0.022125969 |
| 2.185416667 | -0.008687333 | 0.734746421 | 0.002031259 | 0.005589935 | 0.648853626 | 0.010040033 |
| 1.103125 | 0.031801092 | 0.678277965 | -0.001069665 | 0.020649783 | 0.660440728 | -0.0011051 |
| 2.190625 | -0.049326053 | 1.053095684 | 0.011646211 | 0.021217076 | 0.804211153 | 0.051285908 |
| 1.058163265 | -0.777684497 | 4.740676248 | 0.009024407 | 0.070363049 | 3.939101463 | 0.041686748 |
| 1.064285714 | -3.109668045 | 8.080918884 | -0.004547065 | 0.053842003 | 5.795211946 | 0.111630042 |
| 1.091836735 | -3.316969123 | 7.234682605 | 0.009465692 | 0.00035126 | 5.164978362 | 0.088716459 |
| 1.07244898 | -1.957801785 | 6.020730896 | 0.014084522 | 0.053919796 | 4.718042721 | 0.066000679 |
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| 92944 | 1121 | 881 |
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| 117206 | 1195 | 971 |
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| 62443 | 0 | 0 |
| 70203 | 0 | 0 |
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| 11637 | 4175 | 9532 |
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| 1857 | 1579 | 2059 |
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| 0 | 0 | 0 |
| 33040 | 18656 | 25131 |
| 1205 | 623 | 756 |
| 291 | 191 | 0 |
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| 1514 | 905 | 1059 |
| 264 | 266 | 452 |
| 1797 | 1478 | 1559 |
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| 0 | 0 | 0 |
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| 0 | 0 | 0 |
| 1610 | 1518 | 1659 |
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| 1097 | 589 | 104452 |
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| 473 | 2172 | 2070 |
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| 702 | 2670 | 2445 |
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| 224 | 381 | 516 |
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| 680 | 0 | 0 |
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| 15563 | 15913 | 26274 |
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| 893 | 0 | 0 |
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| 382 | 447 | 0 |
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| 138614 | 720 | 3831 |
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| 158881 | 273010 | 359289 |
| 7125 | 12602 | 39454 |
| 1098 | 1355 | 2749 |
| 6923 | 2431 | 1969 |
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| 70193 | 37228 | 15956 |
| 25072 | 13669 | 8052 |
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| 1623 | 1727 | 1241 |
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| 2873 | 2036 | 1540 |
| 1853 | 1242 | 1183 |
| 51133 | 16682 | 5685 |
| 421 | 392 | 390 |
| 28414 | 39834 | 27232 |
| 7115 | 5970 | 4486 |
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| 611335 | 211817 | 58854 |
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| 0 | 0 | 0 |
| 2960 | 2035 | 2086 |
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| 9752 | 7990 | 6533 |
| 0 | 0 | 0 |
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| 4159 | 2657 | 1671 |
| 3265 | 2604 | 1456 |
| 21494 | 18486 | 10859 |
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| 1037 | 866 | 754 |
| 6665 | 6328 | 6197 |
| 13345 | 5674 | 4380 |
| 1126 | 1134 | 1158 |
| 1151 | 957 | 1000 |
| 0 | 0 | 0 |
| 0 | 5547 | 0 |
| 0 | 0 | 0 |
| 3548 | 0 | 3262 |
| 169435 | 130196 | 105209 |
| 7027 | 5547 | 2156 |
| 220775 | 173313 | 92063 |
| 18876 | 5552 | 2810 |
| 1189 | 568 | 474 |
| 1360 | 785 | 588 |
| 0 | 0 | 0 |
| 129873 | 68177 | 73876 |
| 14945 | 7820 | 8638 |
| 18685 | 0 | 0 |
| 1044 | 945 | 1033 |
| 1787 | 1861 | 0 |
| 0 | 171 | 0 |
| 779 | 685 | 522 |
| 1244 | 1102 | 1041 |
| 3716 | 2239 | 1510 |
| 251 | 274 | 270 |
| 24608 | 9477 | 10332 |
| 5041 | 4285 | 4828 |
| 0 | 0 | 0 |
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| 11544 | 6594 | 3795 |
| 0 | 0 | 0 |
| 46666 | 22264 | 16003 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1795 | 1444 | 1251 |
| 0 | 0 | 325 |
| 2635 | 1766 | 1076 |
| 2780 | 2563 | 2802 |
| 1476 | 0 | 0 |
| 6982 | 3800 | 3298 |
| 0 | 0 | 0 |

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| 550 | 132073 | 924 |
| 493 | 127393 | 756 |
| 1430 | 113839 | 4273 |
| 0 | 107514 | 0 |
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| 1146 | 74609 | 23280 |
| 339 | 136042 | 732 |
| 2013 | 164975 | 1957 |
| 0 | 94206 | 374 |
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| 0 | 39261 | 0 |
| 0 | 36603 | 0 |
| 0 | 127911 | 0 |
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| 5102 | 208466 | 23242 |
| 0 | 48785 | 0 |
| 2885 | 102755 | 25319 |
| 236 | 58803 | 687 |
| 0 | 84611 | 0 |
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| 0 | 3720 | 141 |
| 364 | 86374 | 900 |
| 0 | 77069 | 250 |
| 1013 | 43046 | 1534 |
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| 0 | 17942 | 0 |
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| 258 | 98156 | 519 |
| 0 | 104779 | 145 |
| 601 | 111287 | 1098 |
| 228 | 113189 | 524 |
| 0 | 87962 | 0 |
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| 0 | 57096 | 0 |
| 0 | 72010 | 923 |
| 0 | 27011 | 0 |
| 0 | 32944 | 0 |
| 1175 | 85247 | 1319 |
| 0 | 7306 | 0 |
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| 0 | 27332 | 0 |
| 406 | 131891 | 890 |
| 0 | 19957 | 0 |

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| 2046 | 1529 | 5572 |
| 1842 | 1877 | 3797 |
| 18186 | 17136 | 18337 |
| 358 | 275 | 690 |
| 5584 | 5677 | 5649 |
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| 5980 | 5801 | 6345 |
| 6118 | 5896 | 4190 |
| 1220 | 1275 | 2846 |
| 927 | 901 | 1152 |
| 5486 | 5223 | 8669 |
| 0 | 0 | 7701 |
| 0 | 0 | 0 |
| 2916 | 0 | 2990 |
| 140309 | 140397 | 133777 |
| 2546 | 0 | 7701 |
| 91887 | 90996 | 78776 |
| 2968 | 3788 | 5109 |
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| 638 | 610 | 1062 |
| 0 | 0 | 0 |
| 83923 | 80382 | 114124 |
| 9359 | 9920 | 13733 |
| 0 | 0 | 6463 |
| 872 | 766 | 1001 |
| 1138 | 1033 | 1558 |
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| 946 | 1087 | 1180 |
| 7692 | 7230 | 6260 |
| 197 | 231 | 555 |
| 9706 | 9749 | 18370 |
| 4230 | 4043 | 4059 |
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| 83739 | 83478 | 66488 |
| 18701 | 18677 | 14624 |
| 0 | 0 | 0 |
| 69401 | 69542 | 58552 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
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| 0 | 0 | 0 |
| 1194 | 1234 | 5046 |
| 2827 | 2589 | 10258 |
| 0 | 0 | 0 |
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| 0 | 0 | 0 |

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| 2251 | 3156 |
| 1735 | 2326 |
| 11146 | 13395 |
| 5816 | 0 |
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| 854 | 781 |
| 5449 | 5475 |
| 3680 | 7161 |
| 901 | 1217 |
| 1018 | 929 |
| 4227 | 10215 |
| 0 | 0 |
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| 2989 | 3249 |
| 81449 | 135851 |
| 1526 | 6471 |
| 61193 | 860083 |
| 1691 | 3093 |
| 268 | 486 |
| 880 | 1070 |
| 0 | 0 |
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| 3332 | 3463 |
| 0 | 0 |
| 852 | 775 |
| 1135 | 1201 |
| 0 | 0 |
| 456 | 630 |
| 891 | 994 |
| 953 | 2243 |
| 250 | 323 |
| 9164 | 8529 |
| 4119 | 3784 |
| 0 | 0 |
| 3571 | 7122 |
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| 0 | 43 |
| 3480 | 6606 |
| 0 | 0 |
| 0 | 0 |
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| 0 | 0 |
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| 2361 | 6183 |
| 0 | 0 |
| 1555 | 3580 |
| 0 | 0 |

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| 1.704051772 | 0.006252037 | 0.008187454 |
| 1.663124993 | 0.010696613 | 0.011981455 |
| 1.635162207 | 0.112773712 | 0.100154036 |
| 1.403666838 | 0 | 0 |
| 0.65244753 | 0.033267652 | 0.030405123 |
| 0.974858665 | 0.00830395 | 0.00668503 |
| 1.644958622 | 0.034334351 | 0.041096618 |
| 3.302807816 | 0.053927524 | 0.045702535 |
| 1.167493523 | 0.006214999 | 0.006700206 |
| 1.157592222 | 0.010355862 | 0.00918907 |
| 0.226974754 | 0.024615544 | 0.026588358 |
| 0.210088 | 0 | 0 |
| 1.561154173 | 0 | 0 |
| 1.358932673 | 0.031452784 | 0.028659883 |
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| 0.179366694 | 0 | 0 |
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| 0.085680379 | 0.058568655 | 0.035435589 |
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| 0.020006134 | 0.105541218 |
| 0.611993058 | 11.19391509 |
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| 0 | 0 | 0 |
| 0.02147303 | 0.01247395 | 0.024844397 |
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| 0 | 0 | 0.000265052 |
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| 0 | 0 | 0 |
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| 0.01160369 | 0.008815925 | 0.012329797 |
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| 0 | 0 | 0 |
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| 0.009566697 | 0 | 0 |
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| 0.00909295 | 0.007820086 | 0.010455634 |
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| 0.060989282 | 0.060989282 | 0.060989282 |
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| 0.005453088 | trans-2-pentene |
| 0.007866312 | cis-2-pentene |
| 0.03147544 | Tert-Butanol |
| 0 | 1,1-Dichloroethene |
| 0.012503759 | Methylene Chloride |
| 0.269938302 | 3-Chloro-1-Propene |
| 0 | 1,1,2-Trichloro-1,2,2-... |
| 0 | Carbon Disulfide |
| 7.53128E-06 | 2,2-Dimethylbutane |
| 0.007812062 | trans-1,2-Dichloroethene |
| 0 | Cyclopentane |
| 0 | 2,3-Dimethylbutane |
| 0 | 1,1-Dichloroethane |
| 0.02321462 | Methyl-t-Butyl-Ether |
| 0.087957063 | Vinyl Acetate |
| 0 | 2-Methylpentane |
| 0.273710016 | 2-Butanone |
| 0 | 3-Methylpentane |
| 0 | 2-Chloroprene |
| 0.004525067 | 1-Hexene |
| 0 | cis-1,2-Dichloroethene |
| 0.016488482 | Diisopropyl ether |
| 0.071824065 | Ethyl Acetate |
| 0.020514984 | n-Hexane |
| 0 | Chloroform |
| 0.044032422 | Tetrahydrofuran |
| 0.013707065 | Ethyl Tert-Butyl Ether |
| 0.008424562 | Methylcyclopentane |
| 0.003804274 | 1,2-Dichloroethane |
| 0.020793757 | 2,4-Dimethylpentane |
| 0 | 1,1,1-Trichloroethane |
| 0.010076169 | Benzene |
| 0.00247588 | Carbon Tetrachloride |
| 0.011646211 | Cyclohexane |
| 0.009024407 | 2-Methylhexane |
| 0 | 2,3-Dimethylpentane |
| 0.009465692 | Tert Amyl Methyl Ether |
| 0.026755024 | 3-methylhexane |
| 0 | 1,2-Dichloropropane |
| 0.04102804 | Ethyl acrylate |
| 0.010077444 | Bromodichloromethane |
| 0.022606865 | 1,4-Dioxane |
| 0.00980066 | Trichloroethene |
| 0.025047605 | Isooctane |
| 0.060989282 | Methyl Methacrylate |
| 0.026632675 | Heptane |
| 0.018502084 | cis-1,3-Dichloropropene |

| | | |
|---|---|---|
| 1.29 | 0.00 | 0.00 |
| 1.19 | 0.00 | 0.00 |
| 1.63 | 0.19 | 0.16 |
| 1.24 | 0.00 | 0.00 |
| 1.18 | 0.09 | 0.07 |
| 1.19 | 0.00 | 0.00 |
| 1.19 | 0.05 | 0.07 |
| 1.88 | 0.04 | 0.00 |
| 1.32 | 0.00 | 0.00 |
| 1.30 | 0.00 | 0.00 |
| 0.55 | 0.00 | 0.11 |
| 0.60 | 0.00 | 0.00 |
| 1.30 | 0.00 | 0.00 |
| 1.15 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.36 | 0.00 | 0.00 |
| 0.86 | 8.62 | 13.15 |
| 1.11 | 0.00 | 0.00 |
| 1.20 | 0.00 | 0.00 |
| 1.20 | 0.05 | 0.00 |
| 1.23 | 0.00 | 0.00 |
| 1.26 | 0.25 | 0.23 |
| 1.47 | 0.00 | 0.00 |
| 2.39 | 0.00 | 0.00 |
| 1.20 | 0.00 | 0.00 |
| 1.21 | 0.00 | 0.00 |
| 1.25 | 0.00 | 0.00 |
| 1.17 | 0.00 | 0.00 |
| 1.19 | 0.00 | 0.00 |
| 1.21 | 0.00 | 0.00 |
| 1.20 | 0.00 | 0.00 |
| 2.26 | 0.15 | 0.13 |
| 1.13 | 0.05 | 0.05 |
| 2.45 | 0.00 | 0.00 |
| 1.22 | 0.13 | 0.10 |
| 1.21 | 0.00 | 0.00 |
| 1.23 | 0.00 | 0.00 |
| 1.29 | 0.10 | 0.09 |
| 1.22 | 0.00 | 0.00 |
| 1.28 | 0.00 | 0.00 |
| 1.16 | 0.00 | 0.00 |
| 1.05 | 0.00 | 0.00 |
| 1.16 | 0.11 | 0.11 |
| 2.37 | 0.00 | 0.00 |
| 1.27 | 0.00 | 0.00 |
| 2.63 | 0.00 | 0.00 |
| 1.04 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.15 | 0.00 | 0.03 |
| 0.88 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.05 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.39 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.11 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.13 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 1.30 |
| 0.00 | 0.00 | 1.20 |
| 0.07 | 0.00 | 1.43 |
| 0.00 | 0.00 | 1.24 |
| 0.00 | 0.00 | 1.22 |
| 0.00 | 0.00 | 1.20 |
| 0.00 | 0.00 | 1.27 |
| 0.00 | 0.00 | 1.27 |
| 0.00 | 0.00 | 1.38 |
| 0.00 | 0.00 | 1.33 |
| 0.00 | 0.00 | 1.37 |
| 0.00 | 0.00 | 1.42 |
| 0.00 | 0.00 | 1.43 |
| 0.00 | 0.00 | 1.45 |
| 0.00 | 0.00 | 0.01 |
| 0.00 | 0.00 | 1.41 |
| 0.09 | 0.00 | 0.70 |
| 0.00 | 0.00 | 1.16 |
| 0.00 | 0.00 | 1.25 |
| 0.00 | 0.00 | 1.19 |
| 0.00 | 0.00 | 1.17 |
| 0.04 | 0.00 | 1.27 |
| 0.00 | 0.00 | 1.52 |
| 0.00 | 0.00 | 2.37 |
| 0.00 | 0.00 | 1.24 |
| 0.00 | 0.00 | 1.22 |
| 0.00 | 0.00 | 1.25 |
| 0.00 | 0.00 | 1.19 |
| 0.00 | 0.00 | 1.23 |
| 0.00 | 0.00 | 1.25 |
| 0.00 | 0.00 | 1.25 |
| 0.00 | 0.00 | 2.29 |
| 0.00 | 0.00 | 1.20 |
| 0.00 | 0.00 | 2.52 |
| 0.13 | 0.00 | 1.25 |
| 0.00 | 0.00 | 1.25 |
| 0.00 | 0.00 | 1.23 |
| 0.12 | 0.00 | 1.28 |
| 0.00 | 0.00 | 1.26 |
| 0.00 | 0.00 | 1.21 |
| 0.00 | 0.00 | 1.23 |
| 0.00 | 0.00 | 1.05 |
| 0.00 | 0.00 | 1.20 |
| 0.00 | 0.00 | 2.42 |
| 0.00 | 0.00 | 1.22 |
| 0.00 | 0.00 | 2.69 |
| 0.00 | 0.00 | 1.01 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.18 | 0.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.07 | 0.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.07 | 0.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.47 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.34 | 0.34 |
| 0.00 | 0.28 | 0.26 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 2.32 | 2.35 |
| 0.00 | 12.19 | 12.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.17 | 0.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.11 | 0.11 |
| 0.00 | 0.06 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 2.54 | 2.55 |
| 0.00 | 0.89 | 0.95 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 2.54 | 2.57 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.07 | 0.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.26 | 0.28 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.15 | 0.16 | 0.28 |
| 0.15 | 0.00 | 0.00 |
| 0.20 | 0.17 | 0.24 |
| 0.00 | 0.00 | 0.00 |
| 0.08 | 0.07 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.46 | 0.00 | 0.00 |
| 1.50 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.01 |
| 1.08 | 1.74 | 2.69 |
| 0.32 | 0.43 | 1.13 |
| 0.00 | 0.00 | 0.19 |
| 0.00 | 0.00 | 0.22 |
| 0.06 | 0.00 | 1.48 |
| 0.00 | 0.00 | 8.43 |
| 3.91 | 2.30 | 5.48 |
| 22.46 | 12.11 | 31.87 |
| 0.39 | 0.58 | 1.23 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.56 |
| 0.00 | 0.00 | 0.00 |
| 0.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.29 | 0.17 | 0.61 |
| 0.00 | 0.00 | 0.00 |
| 0.16 | 0.12 | 0.15 |
| 0.06 | 0.08 | 0.08 |
| 0.00 | 0.00 | 0.00 |
| 4.98 | 2.63 | 9.37 |
| 1.80 | 0.93 | 3.49 |
| 0.00 | 0.00 | 0.55 |
| 5.19 | 2.73 | 9.89 |
| 0.00 | 0.00 | 0.43 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.07 | 0.13 | 0.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.58 | 0.36 | 1.29 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.18 | 0.23 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.30 | 0.20 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.07 | 0.07 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.05 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 3.57 | 3.24 | 0.00 |
| 1.28 | 1.93 | 0.00 |
| 0.11 | 0.14 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.34 | 0.11 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 6.20 | 3.87 | 0.00 |
| 36.48 | 20.81 | 0.00 |
| 1.43 | 1.37 | 0.00 |
| 0.00 | 0.04 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.25 | 0.19 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.78 | 0.48 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.18 | 0.37 | 0.00 |
| 0.09 | 0.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 12.01 | 6.91 | 0.00 |
| 4.37 | 2.62 | 0.00 |
| 0.54 | 0.00 | 0.00 |
| 12.40 | 7.06 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.20 | 0.28 | 0.00 |
| 0.06 | 0.08 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 1.50 | 0.89 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 1.39 | 0.00 | 0.05 |
| 1.27 | 0.00 | 0.00 |
| 1.55 | 0.00 | 0.42 |
| 1.31 | 0.00 | 0.00 |
| 1.34 | 0.00 | 0.32 |
| 1.30 | 0.00 | 0.00 |
| 1.36 | 0.00 | 0.07 |
| 1.26 | 0.00 | 0.00 |
| 1.49 | 0.00 | 0.00 |
| 1.43 | 0.00 | 0.00 |
| 1.43 | 0.00 | 0.00 |
| 1.57 | 0.00 | 2.48 |
| 1.50 | 0.00 | 0.00 |
| 1.56 | 0.00 | 0.00 |
| 0.01 | 0.00 | 0.01 |
| 1.43 | 0.00 | 1.92 |
| 1.64 | 0.00 | 2.34 |
| 2.43 | 0.00 | 0.23 |
| 1.59 | 0.00 | 0.00 |
| 1.23 | 0.00 | 0.50 |
| 1.26 | 0.00 | 0.00 |
| 1.35 | 0.00 | 6.76 |
| 15.49 | 0.00 | 45.78 |
| 2.46 | 0.00 | 1.00 |
| 1.29 | 0.00 | 0.00 |
| 1.30 | 0.00 | 0.16 |
| 1.30 | 0.00 | 0.00 |
| 1.27 | 0.00 | 0.31 |
| 1.31 | 0.00 | 0.00 |
| 1.31 | 0.00 | 0.99 |
| 1.29 | 0.00 | 0.00 |
| 2.38 | 0.00 | 0.81 |
| 1.24 | 0.00 | 0.09 |
| 2.64 | 0.00 | 0.27 |
| 1.25 | 0.00 | 15.33 |
| 1.25 | 0.00 | 5.33 |
| 1.22 | 0.00 | 0.00 |
| 1.29 | 0.00 | 15.38 |
| 1.23 | 0.00 | 0.00 |
| 1.20 | 0.00 | 0.00 |
| 1.22 | 0.00 | 0.00 |
| 1.06 | 0.00 | 0.00 |
| 1.18 | 0.00 | 0.24 |
| 2.43 | 0.00 | 0.13 |
| 1.20 | 0.00 | 0.00 |
| 2.51 | 0.00 | 1.87 |
| 1.01 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.06 | 0.09 | 0.12 |
| 0.00 | 0.08 | 0.07 |
| 0.43 | 0.85 | 0.44 |
| 0.00 | 0.00 | 0.00 |
| 0.34 | 0.21 | 0.13 |
| 0.00 | 0.05 | 0.00 |
| 0.07 | 0.06 | 0.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 2.35 | 1.39 | 0.81 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.01 | 0.01 | 0.01 |
| 1.93 | 1.01 | 0.60 |
| 2.43 | 6.44 | 9.54 |
| 0.19 | 0.40 | 1.46 |
| 0.00 | 0.00 | 0.07 |
| 0.53 | 0.20 | 0.18 |
| 0.00 | 0.00 | 0.00 |
| 6.83 | 4.35 | 2.24 |
| 45.27 | 24.87 | 11.67 |
| 1.01 | 0.57 | 0.35 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.29 | 0.22 | 0.18 |
| 0.00 | 0.00 | 0.00 |
| 0.99 | 0.34 | 0.13 |
| 0.00 | 0.00 | 0.00 |
| 0.82 | 1.24 | 0.92 |
| 0.09 | 0.07 | 0.06 |
| 0.25 | 0.00 | 0.00 |
| 15.40 | 6.20 | 3.77 |
| 5.39 | 2.06 | 0.70 |
| 0.00 | 0.00 | 0.00 |
| 15.52 | 5.63 | 1.97 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.24 | 0.21 | 0.31 |
| 0.13 | 0.10 | 0.09 |
| 0.00 | 0.00 | 0.00 |
| 1.91 | 0.76 | 0.30 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.05 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.29 | 0.25 | 0.12 |
| 0.00 | 0.00 | 0.00 |
| 0.19 | 0.13 | 1.28 |
| 0.00 | 0.00 | 0.00 |
| 0.08 | 0.08 | 0.08 |
| 0.11 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.34 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.30 | 0.24 | 0.09 |
| 5.66 | 4.48 | 1.69 |
| 0.69 | 0.17 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 0.12 | 0.07 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 2.14 | 1.17 | 1.34 |
| 10.93 | 5.97 | 6.91 |
| 0.87 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.09 | 0.08 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.08 | 0.05 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.82 | 0.30 | 0.34 |
| 0.07 | 0.06 | 0.07 |
| 0.00 | 0.00 | 0.00 |
| 2.65 | 1.46 | 0.48 |
| 0.52 | 0.30 | 0.18 |
| 0.00 | 0.00 | 0.00 |
| 1.56 | 0.77 | 0.59 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.21 | 0.14 | 0.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.24 | 0.12 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 1.34 | 0.00 |
| 0.00 | 1.22 | 0.00 |
| 0.00 | 1.49 | 0.00 |
| 0.00 | 1.28 | 0.00 |
| 0.00 | 1.27 | 0.00 |
| 0.00 | 1.23 | 0.26 |
| 0.00 | 1.33 | 0.00 |
| 0.00 | 1.20 | 0.00 |
| 0.00 | 1.44 | 0.00 |
| 0.00 | 1.40 | 0.00 |
| 0.00 | 1.40 | 0.00 |
| 0.00 | 1.52 | 0.00 |
| 0.00 | 1.45 | 0.00 |
| 0.00 | 1.53 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 1.39 | 0.00 |
| 0.00 | 1.11 | 0.10 |
| 0.00 | 1.21 | 0.00 |
| 0.00 | 1.30 | 0.00 |
| 0.00 | 1.20 | 0.00 |
| 0.00 | 1.24 | 0.00 |
| 0.00 | 1.30 | 0.00 |
| 0.00 | 1.93 | 0.00 |
| 0.00 | 2.44 | 0.00 |
| 0.00 | 1.26 | 0.00 |
| 0.00 | 1.27 | 0.00 |
| 0.00 | 1.29 | 0.00 |
| 0.00 | 1.22 | 0.00 |
| 0.00 | 1.27 | 0.00 |
| 0.00 | 1.29 | 0.00 |
| 0.00 | 1.28 | 0.00 |
| 0.00 | 2.33 | 0.00 |
| 0.00 | 1.21 | 0.00 |
| 0.00 | 2.57 | 0.00 |
| 0.00 | 1.23 | 0.00 |
| 0.00 | 1.22 | 0.00 |
| 0.00 | 1.23 | 0.00 |
| 0.00 | 1.27 | 0.00 |
| 0.00 | 1.23 | 0.00 |
| 0.00 | 1.22 | 0.00 |
| 0.00 | 1.19 | 0.00 |
| 0.00 | 1.05 | 0.00 |
| 0.00 | 1.19 | 0.00 |
| 0.00 | 2.42 | 0.00 |
| 0.00 | 1.22 | 0.00 |
| 0.00 | 2.48 | 0.00 |
| 0.00 | 0.99 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.08 |
| 0.00 | 0.00 | 0.00 |
| 0.27 | 0.24 | 0.25 |
| 0.00 | 0.00 | 0.00 |
| 0.16 | 0.15 | 0.15 |
| 0.00 | 0.00 | 0.00 |
| 0.08 | 0.07 | 0.08 |
| 0.03 | 0.03 | 0.00 |
| 0.00 | 0.00 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 0.26 | 0.23 | 0.43 |
| 0.00 | 0.00 | 0.48 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.11 | 0.00 | 0.35 |
| 1.76 | 1.67 | 1.37 |
| 0.07 | 0.10 | 0.16 |
| 0.00 | 0.00 | 0.00 |
| 0.06 | 0.06 | 0.10 |
| 0.00 | 0.00 | 0.00 |
| 1.56 | 1.45 | 1.98 |
| 7.72 | 7.89 | 10.59 |
| 0.00 | 0.00 | 0.29 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.12 | 0.12 | 0.15 |
| 0.00 | 0.00 | 0.00 |
| 0.20 | 0.18 | 0.15 |
| 0.00 | 0.00 | 0.00 |
| 0.33 | 0.32 | 0.64 |
| 0.06 | 0.06 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 2.46 | 2.34 | 1.87 |
| 0.94 | 0.90 | 0.70 |
| 0.00 | 0.00 | 0.00 |
| 2.55 | 2.45 | 2.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.09 | 0.09 | 0.47 |
| 0.00 | 0.00 | 0.16 |
| 0.00 | 0.00 | 0.00 |
| 0.27 | 0.27 | 0.31 |
| 0.00 | 0.00 | 0.00 |

| | |
|---|---|
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.14 | 0.19 |
| 0.11 | 0.00 |
| 0.12 | 0.14 |
| 0.00 | 0.00 |
| 0.07 | 0.08 |
| 0.00 | 0.05 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.18 | 0.58 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.33 |
| 1.06 | 27.53 |
| 0.00 | 0.08 |
| 0.00 | 0.00 |
| 0.09 | 0.11 |
| 0.00 | 0.00 |
| 0.48 | 0.51 |
| 3.47 | 3.78 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.09 |
| 0.00 | 0.00 |
| 0.00 | 0.06 |
| 0.00 | 0.00 |
| 0.31 | 0.30 |
| 0.06 | 0.06 |
| 0.00 | 0.00 |
| 0.11 | 0.23 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.13 | 0.26 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.13 | 0.22 |
| 0.00 | 0.10 |
| 0.00 | 0.00 |
| 0.00 | 0.13 |
| 0.00 | 0.00 |

| | |
|---|---|
| 76] | 4-Methy-2-Pentanone |
| 77] | Methylcyclohexane |
| 78] | trans-1,3-Dichloropropene |
| 79] | 1,1,2-Trichloroethane |
| 80] | 2,3,4-Trimethylpentane |
| 81] | Toluene |
| 82] | 2-Methylheptane |
| 83] | 2-Hexanone |
| 84] | Dibromochloromethane |
| 85] | 3-Methylheptane |
| 86] | 1,2-Dibromoethane |
| 87] | Octane |
| 88] | Tetrachloroethene |
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0.890816327 | -5.302641081 | 7.796220694 | 0.027929247 | 0.140014665 | 4.056870325 | 0.196537632 |
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| 2.12755102 | -0.769668423 | 2.979526945 | 0.018557261 | -0.005315275 | 1.892197159 | 0.129879865 |
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| 1.071428571 | -3.389099508 | 5.591416413 | 0.039074221 | 0.041040522 | 3.367261236 | 0.11976291 |
| 1.040816327 | -16.99974877 | 14.40763331 | 0.014646467 | -0.666080415 | 9.525343699 | 0.113867944 |
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| 2.176041667 | -0.171238766 | 1.293547597 | 0.019426216 | 0.017312621 | 0.669022192 | 0.159040437 |
| 2.147916667 | -0.17526647 | 1.401228022 | 0.050515829 | 0.020678271 | 0.862141902 | 0.109296397 |
| 2.125 | -0.128194193 | 1.09830911 | 0.024602626 | 0.012074369 | 0.691711271 | 0.091026038 |
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| 1.125 | -25.0260588 | 13.76483904 | 0.110868788 | -0.087891061 | 3.465794405 | 0.456097939 |
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| 1.067708333 | -1.757366188 | 3.967501469 | 0.04135899 | 0.152580009 | 2.241042997 | 0.143804872 |
| 0.96875 | | | | | | |
| 1.04375 | -0.393308553 | 2.026973654 | 0.020954959 | 0.046038486 | 1.262493225 | 0.121717837 |
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| 1.021875 | -0.776148446 | 2.57444179 | 0.012528592 | 0.029856078 | 1.108493699 | 0.200139898 |
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| 2.028125 | -0.128164035 | 1.117192778 | 0.041639953 | 0.012146299 | 0.604354838 | 0.109583884 |
| 1.026041667 | -0.727396998 | 2.573363375 | 0.014021974 | 0.105830888 | 1.395466332 | 0.064392793 |
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| 1.109375 | 2.851521384 | 1.650751918 | 0.05338539 | 0.546873812 | 0.746947702 | 0.272042178 |
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| 1.104166667 | -0.048050846 | 1.176518522 | 0.031570722 | 0.058173506 | 0.563122301 | 0.183853157 |
| 1.013541667 | -0.295198878 | 2.133841183 | 0.025802202 | 0.145345781 | 0.789664199 | 0.236773013 |
| 1.098958333 | 1.836214348 | 1.812872404 | 0.048122897 | 0.491587181 | 0.841280539 | 0.278843059 |
| 1.104166667 | -0.082643392 | 1.530670683 | 0.035294252 | 0.095098283 | 0.619754344 | 0.24932546 |
| 0.969791667 | -0.103995448 | 2.896138866 | 0.046188521 | 0.340304516 | 1.218398965 | 0.262320949 |
| 0.982291667 | 0.119663691 | 2.331560934 | 0.057379349 | 0.246881108 | 1.19027218 | 0.235385399 |
| 1.114583333 | 0.062338787 | 0.804913339 | 0.065491987 | 0.042552764 | 0.43363553 | 0.239287367 |
| 0.96875 | -0.842961263 | 2.763820748 | 0.049186679 | 0.118643462 | 1.207192832 | 0.223393916 |
| 1.958333333 | -0.737096976 | 3.286679101 | 0.024097039 | 0.090693339 | 1.818986212 | 0.205889301 |
| 1.145833333 | -0.596162466 | 2.242543459 | 0.029256204 | 0.035242083 | 0.782244867 | 0.280402609 |

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| 0.259266031 | 0.230958413 |
| 0.003129519 | 0.003311542 |
| 0.037222132 | 0.028030544 |
| 0.007240419 | 0.008141777 |
| 0.002920705 | 0.003126346 |
| 0.008624247 | 0.018348525 |
| 0.005839071 | 0.006208482 |
| 0.004662313 | 0.00255 |
| 0.00543382 | 0.005794227 |
| 0.004662313 | 0.004995336 |
| 0.01040369 | 0.010828331 |
| 0.010664481 | 0.011382701 |
| 0.005550225 | 0.006501692 |
| 0.002713494 | 0.00305268 |
| 0.007812791 | 0.008781251 |
| 0.006143469 | 0.013368444 |
| 0.006549383 | 0.014067528 |
| 0.00366159 | 0.007780879 |
| 0.004693441 | 0.004903668 |
| 0.008647422 | 0.017844317 |
| 0.201329767 | 0.226495988 |
| 0.00678546 | 0.00764071 |
| 0.002962466 | 0.006344615 |
| 0.004625928 | 0.004939141 |
| 0.002262822 | 0.002192108 |
| 0.002373647 | 0.002477494 |
| 0.064883349 | 0 |
| 0.00412728 | 0.004217564 |
| 0.010521745 | 0.010982071 |
| 0.002034171 | 0.004267522 |
| 0.004283904 | 0.009085447 |
| 0.00392465 | 0.004292586 |
| 0.00712322 | 0.014446781 |
| 0.00828268 | 0.008498375 |
| 0.00844941 | 0.009355962 |
| 0.01053728 | 0.011689795 |
| 0.007520376 | 0.007872894 |
| 0.003660218 | 0.004041491 |
| 0.004487292 | 0.004548058 |
| 0.00853959 | 0.009384654 |
| 0.004365532 | 0.004820274 |
| 0.009731861 | 0.009437878 |
| 0.003245537 | 0.003188064 |
| 0.005618496 | 0.006262283 |
| 0.01312259 | 0.012712509 |
| 0.006380002 | 0.01249417 |
| 0.007932279 | 0.00908907 |

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| 65436 | 48638 | 49344 |
| 44063 | 0 | 0 |
| 13078 | 0 | 0 |
| 30375 | 0 | 0 |
| 128157 | 0 | 0 |
| 167636 | 2559996 | 2570516 |
| 74268 | 0 | 0 |
| 105637 | 0 | 437 |
| 73045 | 1203 | 1192 |
| 105637 | 419 | 446 |
| 37141 | 0 | 0 |
| 99817 | 1047 | 1155 |
| 55426 | 233 | 240 |
| 74131 | 0 | 0 |
| 72920 | 0 | 0 |
| 237289 | 2414 | 2095 |
| 196788 | 4080 | 6835 |
| 265872 | 3544 | 3124 |
| 67319 | 1116 | 1052 |
| 84031 | 0 | 0 |
| 22990 | 0 | 0 |
| 82386 | 0 | 0 |
| 258687 | 2013 | 2139 |
| 79186 | 407 | 456 |
| 251081 | 237628 | 230513 |
| 138274 | 750 | 715 |
| 122164 | 20785 | 19970 |
| 122164 | 20785 | 19970 |
| 102874 | 0 | 0 |
| 283317 | 0 | 0 |
| 295119 | 0 | 0 |
| 175002 | 0 | 0 |
| 247997 | 0 | 0 |
| 113830 | 559 | 0 |
| 72683 | 0 | 0 |
| 77335 | 0 | 0 |
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| 208618 | 434 | 0 |
| 128942 | 574 | 758 |
| 93431 | 0 | 0 |
| 173183 | 0 | 0 |
| 90817 | 0 | 0 |
| 105032 | 0 | 0 |
| 305231 | 0 | 0 |
| 132696 | 2144 | 974 |
| 124014 | 1351 | 356 |
| 199473 | 3374 | 1264 |

| | | |
|---|---|---|
| 5205 | 0 | 0 |
| 264 | 166 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 3199 | 845 | 645 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1010 | 1088 | 948 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1327 | 560 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 566 | 559 | 417 |
| 694 | 770 | 471 |
| 898 | 721 | 622 |
| 1001 | 986 | 928 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 586 | 745 | 576 |
| 0 | 161 | 0 |
| 206572 | 178255 | 183815 |
| 508 | 544 | 610 |
| 440 | 0 | 0 |
| 391 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1079 | 0 | 0 |
| 0 | 0 | 0 |
| 441 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
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| 606 | 0 | 0 |
| 1147 | 730 | 0 |
| 564 | 756 | 0 |
| 1463 | 1480 | 774 |

| | | |
|---|---|---|
| 23023 | 0 | 67232 |
| 0 | 0 | 44745 |
| 0 | 0 | 12812 |
| 0 | 0 | 30784 |
| 0 | 0 | 126060 |
| 3193 | 0 | 166357 |
| 0 | 0 | 72526 |
| 0 | 0 | 106261 |
| 1155 | 932 | 75758 |
| 0 | 0 | 106261 |
| 0 | 0 | 34473 |
| 706 | 0 | 94827 |
| 0 | 0 | 55898 |
| 0 | 0 | 74229 |
| 0 | 0 | 71540 |
| 528 | 336 | 223634 |
| 625 | 417 | 194426 |
| 642 | 585 | 255443 |
| 1008 | 883 | 70565 |
| 0 | 0 | 78987 |
| 0 | 0 | 27954 |
| 0 | 0 | 83100 |
| 583 | 459 | 253253 |
| 320 | 0 | 75354 |
| 183150 | 163813 | 257161 |
| 574 | 372 | 135460 |
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| | | |
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| 0 | 0 | 0 |
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| 205 | 173 | 200 |
| 432 | 0 | 0 |
| 403 | 0 | 0 |
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| 1115 | 5135 | 5119 |
| 1079 | 5236 | 6220 |
| 1246 | 1060 | 1021 |
| 0 | 0 | 0 |
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| 442 | 0 | 0 |
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| 0 | 11591 | 463 |
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| 1496 | 4488 | 3906 |

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| 856 | 1251 | 3111 |
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| 253 | 309 | 506 |
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| 0 | 0 | 491 |
| 1722 | 3668 | 2336 |
| 2616 | 5811 | 2946 |
| 4283 | 7614 | 8192 |
| 1154 | 1221 | 1346 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
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| 794 | 1580 | 4394 |
| 239147 | 244947 | 255523 |
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| 8083 | 40228 | 46845 |
| 0 | 876 | 0 |
| 984 | 1520 | 1500 |
| 0 | 0 | 0 |
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| 639 | 1124 | 928 |
| 662 | 0 | 0 |
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| 1430050 | 2541144 | 3124234 |
| 0 | 0 | 0 |
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| 0 | 0 | 0 |
| 18699 | 32552 | 51155 |
| 0 | 6499 | 0 |
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| 0 | 0 | 0 |
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| 631 | 898 | 551 |
| 5359 | 15780 | 7066 |

| | | |
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| 1277979 | 727823 | 0 |
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| 4195 | 6328 | 0 |
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| 3570 | 6328 | 0 |
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| 520 | 572 | 0 |
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| 0 | 543 | 0 |
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| 2399 | 3496 | 0 |
| 8173 | 10169 | 0 |
| 1236 | 1316 | 726 |
| 0 | 0 | 0 |
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| 0 | 0 | 0 |
| 16106 | 17194 | 0 |
| 2384 | 4169 | 0 |
| 248434 | 286823 | 138008 |
| 997 | 1908 | 328 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 61613 | 66142 | 0 |
| 0 | 0 | 0 |
| 0 | 2227 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 827 | 0 |
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| 0 | 0 | 0 |
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| 0 | 10019 | 0 |
| 0 | 10364 | 0 |
| 0 | 0 | 0 |
| 0 | 4303 | 0 |
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| 5119 | 14475 | 0 |
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| 27599 | 0 | 0 |
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| 91392 | 0 | 5641 |
| 65738 | 762 | 1066 |
| 91392 | 0 | 5641 |
| 30761 | 0 | 0 |
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| 48705 | 0 | 881 |
| 65407 | 0 | 0 |
| 62751 | 0 | 559 |
| 195567 | 418 | 3098 |
| 135637 | 483 | 4347 |
| 195646 | 815 | 10411 |
| 61662 | 779 | 1251 |
| 68906 | 0 | 601 |
| 8280 | 0 | 0 |
| 74160 | 0 | 0 |
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| 64697 | 179 | 5601 |
| 229728 | 162151 | 282298 |
| 120149 | 381 | 2608 |
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| 98891 | 0 | 10077 |
| 73680 | 0 | 221 |
| 141148 | 0 | 0 |
| 73598 | 0 | 0 |
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| 73198 | 0 | 405 |
| 122423 | 0 | 4857 |

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| 8499 | 10035 | 9307 |
| 9916 | 10852 | 10689 |
| 1101 | 1013 | 991 |
| 9916 | 10852 | 10689 |
| 0 | 0 | 0 |
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| 809 | 854 | 594 |
| 0 | 209 | 0 |
| 566 | 717 | 405 |
| 2488 | 2615 | 7161 |
| 4141 | 4776 | 11254 |
| 8647 | 8013 | 8625 |
| 1189 | 1172 | 1116 |
| 506 | 492 | 510 |
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| 0 | 805 | 0 |
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| 5825 | 7254 | 5439 |
| 266832 | 269679 | 243972 |
| 1993 | 2798 | 1687 |
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| 506 | 0 | 1147 |
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| 3602 | 0 | 374 |
| 11388 | 0 | 0 |
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| 0 | 0 | 0 |
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| 358 | 281 | 232 |
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| 333 | 0 | 0 |
| 3037 | 1401 | 2993 |
| 4194 | 1893 | 3660 |
| 5264 | 1960 | 3349 |
| 1034 | 853 | 859 |
| 328 | 0 | 0 |
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| 3839 | 1725 | 2325 |
| 2742 | 1393 | 786 |
| 224867 | 179714 | 191283 |
| 1012 | 774 | 733 |
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| 795 | 828 | 930 |
| 510 | 0 | 1266 |
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| 1906 | 2142 | 4265 |
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| 0.043833229 | 0.04135899 | 0.044419472 |
| 0 | 0 | 0 |
| 0.025225551 | 0.030406928 | 0.024283108 |
| 0 | 0 | 0 |
| 0.012528592 | 0.012528592 | 0.012528592 |
| 0.031947427 | 0.031947427 | 0.031947427 |
| 0.036285586 | 0.043138229 | 0.036285586 |
| 0.041902601 | 0.041902601 | 0.041902601 |
| 0.028893889 | 0.034788394 | 0.028893889 |
| 0.041639953 | 0.041639953 | 0.041639953 |
| 0.014021974 | 0.023440478 | 0.014021974 |
| 0.040148938 | 0.040148938 | 0.040148938 |
| 0.05338539 | 0.05338539 | 0.05338539 |
| 0.048585857 | 0.056674651 | 0.048585857 |
| 0.031570722 | 0.036305505 | 0.031570722 |
| 0.025802202 | 0.034254035 | 0.025802202 |
| 0.048122897 | 0.050846009 | 0.048122897 |
| 0.035294252 | 0.042509161 | 0.035294252 |
| 0.046188521 | 0.052434067 | 0.046188521 |
| 0.057379349 | 0.063574252 | 0.057379349 |
| 0.065491987 | 0.068256708 | 0.065491987 |
| 0.05699714 | 0.065003644 | 0.05828026 |
| 0.033717867 | 0.038379624 | 0.024097039 |
| 0.042096019 | 0.041480922 | 0.029256204 |

| | |
|---|---|
| 0.17103238 | 4-Methy-2-Pentanone |
| 0.027230318 | Methylcyclohexane |
| 0.016159904 | trans-1,3-Dichloropropene |
| 0.005770729 | 1,1,2-Trichloroethane |
| 0.02702887 | 2,3,4-Trimethylpentane |
| 0.024699472 | Toluene |
| 0.028860779 | 2-Methylheptane |
| 0.11933918 | 2-Hexanone |
| 0.020884837 | Dibromochloromethane |
| 0.039074221 | 3-Methylheptane |
| 0.014646467 | 1,2-Dibromoethane |
| 0.031941592 | Octane |
| 0.008177705 | Tetrachloroethene |
| 0 | 1,1,1,2-Tetrachloroethane |
| 0.00267916 | Chlorobenzene |
| 0.025060264 | Ethylbenzene |
| 0.056855595 | m-Xylene |
| 0.028967012 | p-Xylene |
| 0.023365467 | Bromoform |
| 0.035093533 | Styrene |
| 0.110868788 | Butyl Acrylate |
| 0.019867449 | 1,1,2,2-Tetrachloroethane |
| 0.046631141 | o-Xylene |
| 0.046895559 | Nonane |
| 0 | Bromofluorobenzene |
| 0.030446926 | Cumene |
| 0 | Chlorotoluenes |
| 0.020317852 | n-Propylbenzene |
| 0.031947427 | m-Ethyltoluene |
| 0.042705305 | 1,3,5-Trimethylbenzene |
| 0.046058507 | 1,2,4-Trimethylbenzene |
| 0.033535199 | Tert-Butyl Benzene |
| 0.041639953 | 1-Ethyl-4-Methyl Benzene |
| 0.024126901 | o-Ethyltoluene |
| 0.040148938 | 1,3-Dichlorobenzene |
| 0.05338539 | 1,4-Dichlorobenzene |
| 0.048585857 | n-Decane |
| 0.036487892 | Sec-Butyl Benzene |
| 0.033560376 | 1,2,3-Trimethylbenzene |
| 0.048122897 | 1,2-Dichlorobenzene |
| 0.041466696 | o-Cymene |
| 0.051545829 | 1,3-Diethylbenzene |
| 0.057379349 | 1,2-Diethylbenzene |
| 0.068771764 | n-Butyl Benzene |
| 0.061301248 | Undecane |
| 0.037837517 | 1,2,4-Trichlorobenzene |
| 0.043850536 | Naphthalene |

| | | |
|---|---|---|
| 0.98 | 0.00 | 0.00 |
| 1.13 | 0.00 | 0.00 |
| 0.86 | 0.00 | 0.00 |
| 1.20 | 0.00 | 0.00 |
| 1.25 | 0.00 | 0.00 |
| 2.28 | 60.21 | 61.74 |
| 1.18 | 0.00 | 0.00 |
| 0.58 | 0.00 | 0.00 |
| 1.13 | 0.00 | 0.00 |
| 1.29 | 0.00 | 0.00 |
| 1.20 | 0.00 | 0.00 |
| 1.26 | 0.00 | 0.00 |
| 1.26 | 0.00 | 0.00 |
| 1.18 | 0.00 | 0.00 |
| 1.18 | 0.00 | 0.00 |
| 2.41 | 0.00 | 0.00 |
| 2.21 | 0.00 | 0.18 |
| 2.25 | 0.00 | 0.00 |
| 1.04 | 0.00 | 0.00 |
| 2.29 | 0.00 | 0.00 |
| 1.23 | 0.00 | 0.00 |
| 1.12 | 0.00 | 0.00 |
| 2.23 | 0.00 | 0.00 |
| 1.19 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 1.08 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 1.13 | 0.55 | 0.54 |
| 1.08 | 0.00 | 0.00 |
| 2.09 | 0.00 | 0.00 |
| 2.08 | 0.00 | 0.00 |
| 1.15 | 0.00 | 0.00 |
| 2.06 | 0.00 | 0.00 |
| 1.09 | 0.00 | 0.00 |
| 1.06 | 0.00 | 0.00 |
| 0.92 | 0.00 | 0.00 |
| 1.07 | 0.00 | 0.00 |
| 1.09 | 0.00 | 0.00 |
| 1.08 | 0.00 | 0.00 |
| 1.08 | 0.00 | 0.00 |
| 1.17 | 0.00 | 0.00 |
| 1.05 | 0.00 | 0.00 |
| 1.03 | 0.00 | 0.00 |
| 1.25 | 0.00 | 0.00 |
| 1.22 | 0.00 | 0.00 |
| 2.92 | 0.00 | 0.00 |
| 1.65 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 1.02 |
| 0.00 | 0.00 | 1.16 |
| 0.00 | 0.00 | 0.86 |
| 0.00 | 0.00 | 1.24 |
| 0.00 | 0.00 | 1.26 |
| 0.00 | 0.00 | 2.30 |
| 0.00 | 0.00 | 1.18 |
| 0.00 | 0.00 | 0.59 |
| 0.00 | 0.00 | 1.20 |
| 0.00 | 0.00 | 1.31 |
| 0.00 | 0.00 | 1.14 |
| 0.00 | 0.00 | 1.23 |
| 0.00 | 0.00 | 1.30 |
| 0.00 | 0.00 | 1.23 |
| 0.00 | 0.00 | 1.20 |
| 0.00 | 0.00 | 2.37 |
| 0.00 | 0.00 | 2.25 |
| 0.00 | 0.00 | 2.24 |
| 0.00 | 0.00 | 1.13 |
| 0.00 | 0.00 | 2.24 |
| 0.00 | 0.00 | 1.46 |
| 0.00 | 0.00 | 1.18 |
| 0.00 | 0.00 | 2.26 |
| 0.00 | 0.00 | 1.18 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 1.09 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 1.09 |
| 0.00 | 0.00 | 1.05 |
| 0.00 | 0.00 | 2.15 |
| 0.00 | 0.00 | 2.10 |
| 0.00 | 0.00 | 1.14 |
| 0.00 | 0.00 | 2.11 |
| 0.00 | 0.00 | 1.05 |
| 0.00 | 0.00 | 1.05 |
| 0.00 | 0.00 | 0.95 |
| 0.00 | 0.00 | 1.05 |
| 0.00 | 0.00 | 1.10 |
| 0.00 | 0.00 | 0.98 |
| 0.00 | 0.00 | 1.02 |
| 0.00 | 0.00 | 1.14 |
| 0.00 | 0.00 | 1.01 |
| 0.00 | 0.00 | 1.03 |
| 0.00 | 0.00 | 1.23 |
| 0.00 | 0.00 | 1.07 |
| 0.00 | 0.00 | 2.40 |
| 0.00 | 0.00 | 1.35 |

| | | |
|---|---|---|
| 0.00 | 4.61 | 4.68 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 40.42 | 41.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.08 | 0.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.06 | 0.05 |
| 0.00 | 0.40 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.01 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.84 | 0.83 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 15.16 | 9.35 | 21.83 |
| 0.00 | 0.00 | 0.24 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 6.91 | 2.10 | 1.58 |
| 0.00 | 0.00 | 0.12 |
| 0.00 | 0.00 | 0.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.08 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.21 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.12 | 0.00 |
| 0.07 | 0.13 | 0.14 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.08 | 0.24 | 0.25 |
| 0.00 | 0.05 | 0.14 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.20 | 0.95 | 1.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.83 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 22.84 | 54.24 | max |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.05 | 0.07 |
| 0.00 | 0.00 | 0.00 |
| 0.26 | 0.46 | 0.69 |
| 0.00 | 0.15 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.12 | 0.10 |
| 0.00 | 0.00 | 0.00 |
| 0.08 | 0.30 | 0.11 |

| | | |
|---|---|---|
| 22.91 | 13.46 | 0.00 |
| 0.00 | 0.17 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.04 | 0.00 |
| 1.10 | 1.79 | 0.00 |
| 0.13 | 0.20 | 0.00 |
| 0.05 | 0.08 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.10 | 0.18 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.14 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.14 | 0.18 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.28 | 0.30 | 0.00 |
| 0.08 | 0.14 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.02 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 1.37 | 1.46 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| max | max | 0.00 |
| 0.00 | 0.11 | 0.00 |
| 0.00 | 0.18 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.06 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.29 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.19 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 31.05 |
| 1.15 | 0.00 | 0.36 |
| 0.86 | 0.00 | 0.00 |
| 1.26 | 0.00 | 0.00 |
| 1.29 | 0.00 | 0.00 |
| 2.33 | 0.00 | 2.10 |
| 1.19 | 0.00 | 0.28 |
| 0.58 | 0.00 | 0.07 |
| 1.18 | 0.00 | 0.00 |
| 1.29 | 0.00 | 0.16 |
| 1.16 | 0.00 | 0.00 |
| 1.22 | 0.00 | 0.12 |
| 1.29 | 0.00 | 0.00 |
| 1.26 | 0.00 | 0.00 |
| 1.22 | 0.00 | 0.00 |
| 2.39 | 0.00 | 0.00 |
| 1.86 | 0.00 | 0.00 |
| 2.01 | 0.00 | 0.18 |
| 1.14 | 0.00 | 0.00 |
| 2.25 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 1.21 | 0.00 | 0.00 |
| 2.30 | 0.00 | 0.28 |
| 1.17 | 0.00 | 0.19 |
| 0.00 | 0.00 | 0.00 |
| 1.12 | 0.00 | 0.03 |
| 0.00 | 0.00 | 0.00 |
| 1.09 | 0.00 | 0.00 |
| 1.08 | 0.00 | 1.27 |
| 2.15 | 0.00 | 0.00 |
| 2.12 | 0.00 | 0.00 |
| 1.14 | 0.00 | 0.00 |
| 2.14 | 0.00 | 0.00 |
| 1.08 | 0.00 | 0.00 |
| 1.06 | 0.00 | 0.22 |
| 0.90 | 0.00 | 0.00 |
| 1.05 | 0.00 | max |
| 1.10 | 0.00 | 0.11 |
| 0.99 | 0.00 | 0.18 |
| 1.01 | 0.00 | 0.00 |
| 1.14 | 0.00 | 0.00 |
| 1.02 | 0.00 | 0.00 |
| 1.04 | 0.00 | 0.00 |
| 1.25 | 0.00 | 0.00 |
| 1.04 | 0.00 | 0.28 |
| 2.14 | 0.00 | 0.00 |
| 1.30 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 31.33 | 19.36 | 10.32 |
| 0.00 | 0.19 | 0.10 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.03 |
| 2.12 | 1.36 | 6.35 |
| 0.32 | 0.39 | 0.38 |
| 0.12 | 0.14 | 0.14 |
| 0.00 | 0.00 | 0.00 |
| 0.29 | 0.33 | 0.34 |
| 0.00 | 0.00 | 0.00 |
| 0.13 | 0.10 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.17 |
| 0.00 | 0.00 | 0.28 |
| 0.15 | 0.14 | 0.17 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.28 | 0.15 | 0.16 |
| 0.20 | 0.25 | 0.20 |
| 0.00 | 0.00 | 0.00 |
| 0.02 | 0.04 | 0.02 |
| 0.00 | 0.00 | 0.00 |
| 0.06 | 0.00 | 0.00 |
| 1.31 | 0.76 | 0.20 |
| 0.00 | 0.04 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.21 | 0.80 | 0.10 |
| 0.00 | 0.00 | 0.00 |
| max | max | max |
| 0.00 | 0.00 | 0.00 |
| 0.20 | 0.22 | 0.14 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 1.05 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.27 | 0.57 | 0.26 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.10 | 0.40 |

| | | |
|---|---|---|
| 9.44 | 4.93 | 6.85 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.04 |
| 13.01 | 1.83 | 19.94 |
| 0.15 | 0.00 | 0.00 |
| 0.15 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.10 | 0.00 | 0.07 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.07 | 0.00 | 0.00 |
| 0.10 | 0.06 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.10 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 11.23 | 2.55 | 0.31 |
| 0.00 | 0.00 | 0.00 |
| 0.07 | 0.04 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.16 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.23 | 0.07 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.95 | 0.00 |
| 0.00 | 1.12 | 0.00 |
| 0.00 | 0.81 | 0.00 |
| 0.00 | 1.22 | 0.00 |
| 0.00 | 1.25 | 0.00 |
| 0.00 | 2.28 | 0.00 |
| 0.00 | 1.17 | 0.00 |
| 0.00 | 0.56 | 0.00 |
| 0.00 | 1.15 | 0.00 |
| 0.00 | 1.26 | 0.00 |
| 0.00 | 1.11 | 0.00 |
| 0.00 | 1.20 | 0.00 |
| 0.00 | 1.25 | 0.00 |
| 0.00 | 1.24 | 0.00 |
| 0.00 | 1.19 | 0.00 |
| 0.00 | 2.38 | 0.00 |
| 0.00 | 2.18 | 0.00 |
| 0.00 | 2.47 | 0.00 |
| 0.00 | 1.14 | 0.00 |
| 0.00 | 2.23 | 0.00 |
| 0.00 | 1.17 | 0.00 |
| 0.00 | 1.21 | 0.00 |
| 0.00 | 2.30 | 0.00 |
| 0.11 | 1.18 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 1.11 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 1.07 | 0.00 |
| 0.00 | 1.09 | 0.00 |
| 0.00 | 2.15 | 0.01 |
| 0.00 | 2.11 | 0.00 |
| 0.00 | 1.14 | 0.00 |
| 0.00 | 2.13 | 0.00 |
| 0.00 | 1.09 | 0.00 |
| 0.00 | 1.00 | 0.00 |
| 0.00 | 0.98 | 0.00 |
| 0.00 | 1.03 | 0.00 |
| 0.00 | 1.11 | 0.00 |
| 0.00 | 0.96 | 0.00 |
| 0.00 | 0.98 | 0.00 |
| 0.00 | 1.13 | 0.00 |
| 0.00 | 0.99 | 0.00 |
| 0.00 | 0.98 | 0.00 |
| 0.00 | 1.19 | 0.00 |
| 0.00 | 0.99 | 0.00 |
| 0.00 | 2.16 | 0.00 |
| 0.00 | 1.22 | 0.00 |

| | | |
|---|---|---|
| 5.21 | 5.11 | 7.00 |
| 0.00 | 0.00 | 0.19 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.03 | 0.08 |
| 3.30 | 3.17 | 27.91 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.04 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.13 |
| 0.00 | 0.00 | 0.09 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.06 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.30 | 0.00 | 0.16 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.04 |
| 0.00 | 0.00 | 0.00 |
| 0.10 | 0.00 | 0.30 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | |
|---|---|
| 2.81 | 3.89 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.03 | 0.07 |
| 8.90 | 99.05 |
| 0.00 | 0.09 |
| 0.00 | 0.03 |
| 0.00 | 0.00 |
| 0.00 | 0.06 |
| 0.00 | 0.00 |
| 0.00 | 0.13 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.16 |
| 0.00 | 0.32 |
| 0.07 | 0.19 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.15 |
| 0.00 | 0.05 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.15 | 0.33 |
| 0.00 | 0.12 |
| 0.00 | 0.04 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.07 | 0.10 |
| 0.00 | 0.11 |
| 0.00 | 0.06 |
| 0.00 | 0.00 |
| 0.13 | 0.29 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |
| 0.00 | 0.00 |

124] Dodecane
125] Hexachlorobutadiene

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

TOP_021319cal.M Wed May 22 13:56:38 2019

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.030208333 | -6.315886932 | 7.038583521 | 0.039965296 | 0.152747453 | 2.394721478 | 0.255955864 |
| 1.0875 | 0.073069045 | 1.26366123 | -0.011265073 | 0.144784037 | 0.920458404 | 0 |

| | |
|---|---|
| 0.007525364 | 0.007752693 |
| 0.00323389 | 0.003516855 |

| | | |
|---|---|---|
| 79291 | 2108 | 1672 |
| 232313 | 2891 | 2686 |
| --- | --- | |

| | | |
|---|---|---|
| 1587 | 877 | 657 |
| 2218 | 2443 | 2331 |

--- --- ---

| | | |
|---|---|---|
| 1233 | 0 | 50684 |
| 2339 | 1647 | 199528 |

--- --- ---

| | | |
|---|---|---|
| 2798 | 2992 | 2867 |
| 5795 | 2518 | 2062 |

--- --- ---

| | | | |
|---|---|---|---|
| | 6658 | 9824 | 3774 |
| | 2576 | 3147 | 2250 |

--- --- ---

| | | |
|---|---|---|
| 4937 | 21326 | 0 |
| 1719 | 3332 | 1173 |

--- --- ---

| | | |
|---|---|---|
| 39347 | 0 | 31318 |
| 175679 | 1796 | 1976 |

--- --- ---

| | | |
|---|---|---|
| 31675 | 38623 | 23472 |
| 1574 | 2721 | 9587 |

--- --- ---

| | | |
|---|---|---|
| 34660 | 6287 | 2413 |
| 2292 | 3967 | 2057 |

--- --- ---

| | | |
|---|---|---|
| 0 | 34603 | 800 |
| 1044 | 155267 | 4405 |

---

| | | | |
|---|---|---|---|
| | 3011 | 2467 | 2889 |
| | 1795 | 1613 | 1990 |

--- --- ---

| | | |
|---|---|---|
| | 2882 | 2711 |
| | 1610 | 1993 |

--- ---

| | | |
|---|---|---|
| 0.330607837 | 0.006515061 | 0.005267618 |
| 0.96864081 | 0.008935029 | 0.008462215 |

| | | |
|---|---|---|
| 0.006064752 | 0.00339796 | 0.002488146 |
| 0.008476131 | 0.00946547 | 0.008827807 |

| | | |
|---|---|---|
| 0.00472081 | 0 | 0.218971417 |
| 0.008955372 | 0.006512095 | 0.86202606 |

| | | |
|---|---|---|
| 0.010210449 | 0.009734893 | 0.009359891 |
| 0.021147088 | 0.008192668 | 0.006731808 |

| | | |
|---|---|---|
| 0.020650788 | 0.031261535 | 0.011583972 |
| 0.007989851 | 0.010014256 | 0.006906183 |

| | | |
|---|---|---|
| 0.015331298 | 0.066364397 | 0 |
| 0.005338161 | 0.010368854 | 0.005354966 |

| | | |
|---|---|---|
| 0.196310968 | 0 | 0.098966974 |
| 0.876501756 | 0.00774238 | 0.006244292 |

| | | |
|---|---|---|
| 0.102734839 | 0.125778319 | 0.080482511 |
| 0.005105119 | 0.008861114 | 0.032872607 |

| | | |
|---|---|---|
| 0.12928253 | 0.026079237 | 0.009611861 |
| 0.008549208 | 0.016455596 | 0.008193783 |

| | | |
|---|---|---|
| 0 | 0.186770659 | 0.003557564 |
| 0.005258731 | 0.838057969 | 0.019588835 |

| | | |
|---|---|---|
| 0.013153756 | 0.010622403 | 0.011691055 |
| 0.007841578 | 0.006945252 | 0.008053029 |

| | |
|---|---|
| 0.011805476 | 0.010134769 |
| 0.006595009 | 0.007450607 |

| | | |
|---|---|---|
| 1.676639989 | 0.08555401 | 0.076866615 |
| 1.281326893 | 3.16095E-05 | -0.000566468 |

| | | |
|---|---|---|
| 0.082420252 | 0.0638092 | 0.05743922 |
| -0.000548866 | 0.000702621 | -0.000104022 |

| | | |
|---|---|---|
| 0.073052354 | 0.039965296 | 1.278376714 |
| 5.73438E-05 | -0.003032893 | 1.132340637 |

| | | |
|---|---|---|
| 0.111173943 | 0.107886611 | 0.105292348 |
| 0.015490359 | -0.000907412 | -0.002755037 |

| | | |
|---|---|---|
| 0.182624152 | 0.25382981 | 0.120652528 |
| -0.001163943 | 0.001396882 | -0.002534512 |

| | | |
|---|---|---|
| 0.146391378 | 0.47926001 | 0.039965296 |
| -0.004517364 | 0.001845501 | -0.004496115 |

| | | |
|---|---|---|
| 1.178314815 | 0.039965296 | 0.674691895 |
| 1.152471897 | -0.001476947 | -0.003371554 |

| | | |
|---|---|---|
| 0.696412344 | 0.825347997 | 0.565537427 |
| -0.004812028 | -6.18896E-05 | 0.030353725 |

| | | |
|---|---|---|
| 0.844367622 | 0.219230583 | 0.10703567 |
| -0.00045643 | 0.009549012 | -0.000906002 |

| | | |
|---|---|---|
| 0.039965296 | 1.134247332 | 0.064925569 |
| -0.004617799 | 1.099075689 | 0.013516616 |

| | | |
|---|---|---|
| 0.131456324 | 0.114019311 | 0.121390503 |
| -0.001351482 | -0.002485103 | -0.001084035 |

| | |
|---|---|
| 0.122178883 | 0.110650986 |
| -0.002928038 | -0.001845974 |

| | | |
|---|---|---|
| 0.0638092 | 0.111173943 | 0.039965296 |
| 0.000702621 | 0.015490359 | 0 |

| | |
|---|---|
| 0.064925569 | Dodecane |
| 0.013516616 | Hexachlorobutadiene |

| | | |
|---|---|---|
| 1.66 | 0.00 | 0.00 |
| 1.39 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 0.00 | 1.25 |
| 0.00 | 0.00 | 1.23 |

| | | |
|---|---|---|
| 0.05 | 0.12 | 0.11 |
| 0.02 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.33 | 0.52 | 0.15 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.22 | 1.12 | 0.00 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 1.15 | 0.00 | 1.66 |
| 1.25 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 1.72 | 2.04 | 1.38 |
| 0.00 | 0.00 | 0.09 |

| | | |
|---|---|---|
| 2.08 | 0.41 | 0.12 |
| 0.00 | 0.00 | 0.00 |

| | | |
|---|---|---|
| 0.00 | 1.10 | 0.00 |
| 0.00 | 1.19 | 0.01 |

| | | |
|---|---|---|
| 0.18 | 0.14 | 0.15 |
| 0.00 | 0.00 | 0.00 |

| | |
|---|---|
| 0.16 | 0.14 |
| 0.00 | 0.00 |

**Cell:** C24
**Comment:** Ingrid:
Correction factor for actual calibration standard concentrations

| Compound | 032219020.D Fluorotelomer std | 041219002.D Inst blank |
|---|---|---|
| --- | | |
| Internal Standards | Response | Response |
| d5 chlorobenzene | 9876701 | 3430255 |
| | | |
| Target Compounds | | |
| 4:2 fluorotelomer | 6665454 | 0 |
| 6:2 fluorotelomer | 2802001 | 0 |
| 8:2 fluorotelomer | 4544760 | 0 |
| | | |
| Internal Standards | Conc (ppb) | |
| d5 chlorobenzene | 20 | |
| | | |
| Target Compounds | | |
| 4:2 fluorotelomer | 11.82 | N.D. |
| 6:2 fluorotelomer | 11.59 | N.D. |
| 8:2 fluorotelomer | 8.88 | N.D. |

| | | | | | |
|---|---|---|---|---|---|
| 041219004.D | | 041219006.D | | 041219007.D | |
| Ambient | | Ambient dup | | System blank | |
| 744 | | 744 | | BTP1 | |
| Response | | Response | | Response | |
| | 4350077 | | 4295150 | | 3571269 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |

| | | |
|---|---|---|
| 041219009.D | 041219011.D | 041219013.D |
| Batch Blank 2 | Trip Blank | Field Blank |
| "N1" | RK8 Trip Blank | "021" FB |
| Response | Response | Response |
| 3523249 | 3672212 | 3554009 |
| 0 | 0 | 1601 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| N.D. | N.D. | 0.01 |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |

| 041519002.D | 041519004.D | 041519005.D | |
|---|---|---|---|
| Inst blank | fluorotelomer std | batch blank 1 "068" | |
| Response | Response | Response | |
| 3495543 | 5627414 | | 3751443 |
| | 4958679 | 0 | |
| | 381515 | 0 | |
| | 4284268 | 0 | |
| N.D. | 15.43 | N.D. | |
| N.D. | 2.77 | N.D. | |
| N.D. | 14.69 | N.D. | |

| | | | |
|---|---|---|---|
| 041519006.D | 041519007.D | 041519009.D | |
| Sample 1 | Sample 1dup | Sample 2 | |
| NP1 | NP1 | 721 | |
| Response | Response | Response | |
| 4162168 | 4118915 | 4310327 | |
| | | | |
| 3442 | 3468 | 8952 | |
| 0 | 0 | 0 | |
| 0 | 0 | 0 | |
| | | | |
| 0.01 | 0.01 | 0.04 | |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| 041519011.D | | 041519013.D | | 041519015.D | |
| Sample 3 | | Sample 4 | | Sample 5 | |
| 2504 | | A378 | | 262 | |
| Response | | Response | | Response | |
| | 4214647 | | 4361686 | | 4319492 |
| | 5536 | | 23819 | | 26878 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | 0.02 | | 0.1 | | 0.11 |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |

| 041519017.D | 041619002.D | 041619004.D |
|---|---|---|
| Sample 6 | Inst blank | fluorotelomer std |
| 404 | | |
| Response | Response | Response |
| 4285880 | 3059046 | 4867593 |
| | | |
| 14590 | 0 | 3885668 |
| 0 | 0 | 280104 |
| 0 | 0 | 425963 |
| | | |
| | | |
| 0.06 | N.D. | 13.98 |
| N.D. | N.D. | 2.35 |
| N.D. | N.D. | 1.69 |

| | | | |
|---|---|---|---|
| 041619005.D | 041619006.D | 041619007.D | |
| batch blank 1 | Sample 7 | Sample 7dup | |
| "068" | 751 | 751 | |
| Response | Response | Response | |
| 3120002 | 4218827 | 4117760 | |
| | | | |
| 0 | 40427 | 43558 | |
| 0 | 0 | 0 | |
| 0 | 0 | 0 | |
| | | | |
| N.D. | 0.17 | 0.19 | |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |

| | | | |
|---|---|---|---|
| 041619009.D | 041619011.D | 041619013.D | |
| Sample 8 | Sample 9 | Sample 10 | |
| MTC48 | 700 | 2521 | |
| Response | Response | Response | |
| 4077393 | 3882711 | 3627258 | |
| | | | |
| 7887 | 0 | 0 | |
| 0 | 0 | 0 | |
| 0 | 0 | 0 | |
| | | | |
| 0.03 | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| 041619015.D | | 041619017.D | | 041719002.D | |
| Sample 11 | | Sample 12 | | Inst blank | |
| 651 | | 793 | | | |
| Response | | Response | | Response | |
| | 3296947 | | 3402995 | | 2811538 |
| | | | | | |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | | | | | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |

| 041719004.D | 041719005.D | 041719006.D | |
|---|---|---|---|
| fluorotelomer std | batch blank 1 | Sample 13 | |
| | "068" | RK9 | |
| Response | Response | Response | |
| 4157593 | 3045674 | | 3121062 |
| | | | |
| 2904280 | 0 | | 0 |
| 146273 | 0 | | 0 |
| 228455 | 0 | | 0 |
| | | | |
| 12.24 | N.D. | N.D. | |
| 1.44 | N.D. | N.D. | |
| 1.06 | N.D. | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| 041719007.D | | 041719009.D | | 041719011.D | |
| Sample 13dup | | Sample 14 | | Sample 15 | |
| RK9 | | 253 | | 723 | |
| Response | | Response | | Response | |
| | 3169959 | | 3353403 | | 3275290 |
| | | | | | |
| | 3553 | | 3956 | | 0 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | | | | | |
| | 0.02 | | 0.02 | N.D. | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |

041719013.D

Sample 16

321

Response

3635786

0

0

0

N.D.

N.D.

N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\Mar\032219\
Data File : 032219020.D
Acq On : 23 Mar 2019 4:00 am
Operator :
Sample : FTOH Cal
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 26 18:28:04 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

---

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

Agilent PFA...ch 26,2019.m Thu May 23 11:11:55 2019

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| d5 chlorobenzene | 18.39 | 117 | 9876701 | 20 | ppbv | 0 |
| | | | | | | |
| Target Compounds | | | | | | Qvalue |
| 4:2 fluorotelomer | 13.326 | 69 | 6665454 | 11.82 | ppbv | 100 |
| 6:2 fluorotelomer | 17.447 | 69 | 2802001 | 11.59 | ppbv | 100 |
| 8:2 fluorotelomer | 21.295 | 95 | 4544760 | 8.88 | ppbv | 100 |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219002.D
Acq On : 12 Apr 2019 2:05 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 23 10:35:55 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Thu May 23 10:36:52 2019

| QIon | Respons | Conc | Units |
|---|---|---|---|
| 117 | 3430255 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219004.D
Acq On : 12 Apr 2019 4:02 pm
Operator :
Sample : Ambient
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 16:53:50 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 117 | 4350077 |
| Target Compounds | | |
| 4:2 fluorotelomer | | 0 |
| 6:2 fluorotelomer | | 0 |
| 8:2 fluorotelomer | | 0 |

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

Agilent PFA...ch 26,2019.m Thu May 16 16:06:14 2019

| Response | Conc | Units |
|---|---|---|
| -- | -------- | ---- |
| | 20 | ppbv |
| | N.D. | |
| | N.D. | |
| | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219006.D
Acq On : 12 Apr 2019 6:00 pm
Operator :
Sample : Ambient dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 16:12:02 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 117 | 4295150 |
| Target Compounds | | |
| 4:2 fluorotelomer | | 0 |
| 6:2 fluorotelomer | | 0 |
| 8:2 fluorotelomer | | 0 |

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

Agilent PFA...ch 26,2019.m Wed May 22 16:28:16 2019

| Response | Conc | Units |
|---|---|---|
| -- | -------- | ---- |
| | 20 | ppbv |
| | N.D. | |
| | N.D. | |
| | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219007.D
Acq On : 12 Apr 2019 6:59 pm
Operator :
Sample : System blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:35:53 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 117 | 3571269 |
| Target Compounds | | |
| 4:2 fluorotelomer | | 0 |
| 6:2 fluorotelomer | | 0 |
| 8:2 fluorotelomer | | 0 |

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

Agilent PFA...ch 26,2019.m Thu May 16 16:13:55 2019

| Response | Conc | Units |
|---|---|---|
| -- | -------- | ---- |
| | 20 | ppbv |
| | N.D. | |
| | N.D. | |
| | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219009.D
Acq On : 12 Apr 2019 8:57 pm
Operator :
Sample : Batch Blank 2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:46:21 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 117 | 3523249 |
| Target Compounds | | |
| 4:2 fluorotelomer | | 0 |
| 6:2 fluorotelomer | | 0 |
| 8:2 fluorotelomer | | 0 |

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

Agilent PFA...ch 26,2019.m Thu May 16 16:17:07 2019

| Response | Conc | Units |
|---|---|---|
| -- | -------- | ---- |
| | 20 | ppbv |
| | N.D. | |
| | N.D. | |
| | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219011.D
Acq On : 12 Apr 2019 10:56 pm
Operator :
Sample : Trip Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 10:59:30 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 117 | 3672212 |
| Target Compounds | | |
| 4:2 fluorotelomer | | 0 |
| 6:2 fluorotelomer | | 0 |
| 8:2 fluorotelomer | | 0 |

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

Agilent PFA...ch 26,2019.m Thu May 16 16:19:29 2019

| Response | Conc | Units |
|---|---|---|
| -- | -------- | ---- |
| | 20 | ppbv |
| | N.D. | |
| | N.D. | |
| | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041219\
Data File : 041219013.D
Acq On : 13 Apr 2019 12:53 am
Operator :
Sample : Field Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 02 14:54:15 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.373 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Thu May 16 16:21:54 2019

| QIon | Response | Conc | Units | |
|---|---|---|---|---|
| | | | | Inte |
| 117 | 3554009 | 20 | ppbv | 1) |
| | | | | Targ |
| 69 | 1601 | 0.01 | ppbv | 2) |
| | 0 | N.D. | | 3) |
| | 0 | N.D. | d | 4) |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519002.D
Acq On : 15 Apr 2019 7:00 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 16 16:27:00 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.4 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Wed May 22 14:09:31 2019

| QIon | Response | Conc | Units | |
|---|---|---|---|---|
| | | | | Inte |
| 117 | 3495543 | 20 | ppbv | 1) |
| | | | | Targ |
| | 0 | N.D. | | 2) |
| | 0 | N.D. | | 3) |
| | 0 | N.D. | d | 4) |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519004.D
Acq On : 15 Apr 2019 8:56 pm
Operator :
Sample : fluorotelomer std
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 14:17:08 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) | | R.T. |
|---|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | | |
| 1) d5 chlorobenzene | 18.381 | 117 | 5627414 | 20.00 | ppbv | 0.00 | | 18.381 |
| Target Compounds | | | | | | | Qvalue | |
| 2) 4:2 fluorotelomer alcohol | 13.344 | 69 | 4958679 | 15.43 | ppbv | | 94 | 13.344 |
| 3) 6:2 fluorotelomer alcohol | 17.474 | 69 | 381515 | 2.77 | ppbv | | 98 | 17.474 |
| 4) 8:2 fluorotelomer alcohol | 21.288 | 95 | 506011m | 1.74 | ppbv | | | 21.183 |

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

Agilent PFA...ch 26,2019.m Wed May 22 18:15:18 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 5627414 | 20 | ppbv |
| 69 | 4958679 | 15.43 | ppbv |
| 69 | 381515 | 2.77 | ppbv |
| 95 | 4284268 | 14.69 | ppbv |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519005.D
Acq On : 15 Apr 2019 9:54 pm
Operator :
Sample : batch blank 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 13:28:32 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.396 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 13:55:38 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3751443 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519006.D
Acq On : 15 Apr 2019 10:53 pm
Operator :
Sample : Sample 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 13:55:17 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.373 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:00:26 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4162168 | 20 | ppbv |
| 69 | 3442 | 0.01 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519007.D
Acq On : 15 Apr 2019 11:51 pm
Operator :
Sample : Sample 1dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 13:56:29 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.395 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.361 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:01:46 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4118915 | 20 | ppbv |
| 69 | 3468 | 0.01 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519009.D
Acq On : 16 Apr 2019 1:48 am
Operator :
Sample : Sample 2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 14:37:56 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.391 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.373 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:04:58 2019

| QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|
| 117 | 4310327 | 20 | ppbv | |
| 69 | 8952 | 0.04 | ppbv | |
| | 0 | N.D. | d | |
| | 0 | N.D. | d | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519011.D
Acq On : 16 Apr 2019 3:45 am
Operator :
Sample : Sample 3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 14:40:53 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.361 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:07:30 2019

| QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|
| 117 | 4214647 | 20 | ppbv | |
| 69 | 5536 | 0.02 | ppbv | |
| | 0 | N.D. | d | |
| | 0 | N.D. | d | |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519013.D
Acq On : 16 Apr 2019 5:41 am
Operator :
Sample : Sample 4
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 14:41:49 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.392 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.349 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:09:02 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4361686 | 20 | ppbv |
| 69 | 23819 | 0.1 | ppbv |
| | 0 | N.D. | d |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519015.D
Acq On : 16 Apr 2019 7:41 am
Operator :
Sample : Sample 5
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 23 14:44:07 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.394 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.361 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:16:07 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4319492 | 20 | ppbv |
| 69 | 26878 | 0.11 | ppbv |
| | 0 | N.D. | d |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041519\
Data File : 041519017.D
Acq On : 16 Apr 2019 9:49 am
Operator :
Sample : Sample 6
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 09:56:11 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.39 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.361 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:17:53 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4285880 | 20 | ppbv |
| 69 | 14590 | 0.06 | ppbv |
| | 0 | N.D. | d |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619002.D
Acq On : 16 Apr 2019 6:58 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 14:26:33 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.401 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Wed May 22 14:26:39 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3059046 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619004.D
Acq On : 16 Apr 2019 8:56 pm
Operator :
Sample : fluorotelomer std
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 14:28:57 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.389 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.326 |
| 6:2 fluorotelomer | 17.486 |
| 8:2 fluorotelomer | 21.339 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:29:51 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4867593 | 20 | ppbv |
| 69 | 3885668 | 13.98 | ppbv |
| 69 | 280104 | 2.35 | ppbv |
| 95 | 425963 | 1.69 | ppbv |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619005.D
Acq On : 16 Apr 2019 9:57 pm
Operator :
Sample : batch blank 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 10:48:18 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.399 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:31:16 2019

| QIon | Response | Conc | Units | |
|---|---|---|---|---|
| 117 | 3120002 | 20 | ppbv | |
| | 0 | N.D. | | |
| | 0 | N.D. | | |
| | 0 | N.D. | | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619006.D
Acq On : 16 Apr 2019 11:02 pm
Operator :
Sample : Sample 7
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 11:12:21 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.392 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.359 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:32:56 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4218827 | 20 | ppbv |
| 69 | 40427 | 0.17 | ppbv |
| | 0 | N.D. | d |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619007.D
Acq On : 17 Apr 2019 12:08 am
Operator :
Sample : Sample 7dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 11:05:21 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.392 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.357 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:37:35 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4117760 | 20 | ppbv |
| 69 | 43558 | 0.19 | ppbv |
| | 0 | N.D. | d |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619009.D
Acq On : 17 Apr 2019 2:15 am
Operator :
Sample : Sample 8
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 11:06:33 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.392 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.361 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:39:55 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 4077393 | 20 | ppbv |
| 69 | 7887 | 0.03 | ppbv |
| | 0 | N.D. | d |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619011.D
Acq On : 17 Apr 2019 4:14 am
Operator :
Sample : Sample 9
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 16:46:47 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.393 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:41:23 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3882711 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619013.D
Acq On : 17 Apr 2019 6:14 am
Operator :
Sample : Sample 10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 17:41:07 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.398 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:43:03 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3627258 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619015.D
Acq On : 17 Apr 2019 8:15 am
Operator :
Sample : Sample 11
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 10:23:42 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | Compound |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.401 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:45:31 2019

| R.T. | QIon | Response | Conc | Units |
|---|---|---|---|---|
| 117 | 3296947 | | 20 | ppbv |
| | | 0 | N.D. | |
| | | 0 | N.D. | |
| | | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041619\
Data File : 041619017.D
Acq On : 17 Apr 2019 10:16 am
Operator :
Sample : Sample 12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 10:42:01 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:46:50 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3402995 | | 20 |
| | | 0 | N.D. |
| | | 0 | N.D. |
| | | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719002.D
Acq On : 17 Apr 2019 4:36 pm
Operator :
Sample : Inst blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 10:52:14 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.404 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:51:21 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 2811538 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719004.D
Acq On : 17 Apr 2019 6:34 pm
Operator :
Sample : fluorotelomer std
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 14:54:53 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.399 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.334 |
| 6:2 fluorotelomer | 17.498 |
| 8:2 fluorotelomer | 21.368 |

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

Agilent PFA...ch 26,2019.m Fri May 17 14:55:22 2019

| QIon | Response | | |
|---|---|---|---|
| 117 | 4157593 | 20 | ppbv |
| 69 | 2904280 | 12.24 | ppbv |
| 69 | 146273 | 1.44 | ppbv |
| 95 | 228455 | 1.06 | ppbv |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719005.D
Acq On : 17 Apr 2019 7:33 pm
Operator :
Sample : batch blank 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 11:02:22 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Mon May 20 10:28:28 2019

| QIon | Respons | Conc | Units |
|---|---|---|---|
| 117 | 3045674 | 20 | ppbv |
| | | 0 | N.D. |
| | | 0 | N.D. d |
| | | 0 | N.D. d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719006.D
Acq On : 17 Apr 2019 8:33 pm
Operator :
Sample : Sample 13
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 20 10:32:27 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.394 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Wed May 22 15:12:55 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3121062 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719007.D
Acq On : 17 Apr 2019 9:32 pm
Operator :
Sample : Sample 13dup
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 15:20:03 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.394 |
| | |
| Target Compounds | |
| 4:2 fluorotelomer | 13.349 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Mon May 20 10:59:51 2019

| QIon | Response | Conc | Units | Compound |
|---|---|---|---|---|
| | | | | Internal Standards |
| 117 | 3169959 | 20 | ppbv | d5 chlorobenzene |
| | | | | Target Compounds |
| 69 | 3553 | 0.02 | ppbv | 4:2 fluorotelomer |
| | 0 | N.D. | | 6:2 fluorotelomer |
| | 0 | N.D. | d | 8:2 fluorotelomer |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719009.D
Acq On : 17 Apr 2019 11:32 pm
Operator :
Sample : Sample 14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 29 10:13:25 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| R.T. | QIon |
|---|---|
| 18.398 | 117 |
| 13.374 | 69 |
| 0 | |
| 0 | |

---

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

Agilent PFA...ch 26,2019.m Mon May 20 11:04:16 2019

| Response | Conc | Units |
|---|---|---|
| 3353403 | 20 | ppbv |
| 3956 | 0.02 | ppbv |
| 0 | N.D. | |
| 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719011.D
Acq On : 18 Apr 2019 1:30 am
Operator :
Sample : Sample 15
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 15:26:21 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.398 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Mon May 20 11:06:50 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3275290 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\2019\April\041719\
Data File : 041719013.D
Acq On : 18 Apr 2019 3:31 am
Operator :
Sample : Sample 16
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 30 16:23:59 2019
Quant Method : C:\msdchem\1\methods\Agilent PFAS fluorotelomers March 26,2019.m
Quant Title : Agilent fluorotelomer alcohols
QLast Update : Tue Mar 26 17:19:09 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 18.397 |
| Target Compounds | |
| 4:2 fluorotelomer | 0 |
| 6:2 fluorotelomer | 0 |
| 8:2 fluorotelomer | 0 |

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

Agilent PFA...ch 26,2019.m Mon May 20 11:09:13 2019

| QIon | Response | Conc | Units |
|---|---|---|---|
| 117 | 3635786 | 20 | ppbv |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | d |

data file 304004 Can RK9

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| d5 chlorobenzene | 18.39 | 20.00 | ppbv | 4131014.228 | 82.05 |
| 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 | 95 |
| 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 | 95.1 |
| 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 | 69.1 |

| data file | 304007 | Can 321 | | | |
|---|---|---|---|---|---|
| Name | Ret Time | Amount | Units | Target Response | Signal |
| d5 chlorobenzene | 18.39 | 20.00 | ppbv | 4359488 | 117 |
| 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 | 95.1 |

Data File Name 110618008

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| d5 chlorobenzene | 18.37 | 20 | ppbv | 5223231 | 82.05 |
| 4:2 fluorotelomer alcohol | 0 | 0 | ppbv | 0 | 95 |
| 6:2 fluorotelomer alcohol | 0 | 0 | ppbv | 0 | 95.1 |
| 8:2 fluorotelomer alcohol | 0 | 0 | ppbv | 0 | 69.1 |

Data File Name 110618010.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| d5 chlorobenzene | 18.37 | 20 | ppbv | 4820477.265 | 82.05 |
| 4:2 fluorotelomer alcohol | 0 | 0 | ppbv | 0 | 95 |
| 6:2 fluorotelomer alcohol | 0 | 0 | ppbv | 0 | 95.1 |
| 8:2 fluorotelomer alcohol | 0 | 0 | ppbv | 0 | 69.1 |

Data File Name 110818012.D

| Name | Ret Time | Amount | Units |
|---|---|---|---|
| d5 chlorobenzene | 18.36 | 20.00 | ppbv |
| 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |

| Target Response | Q1 Signal |
|---|---|
| 43652468.41 | 82.05 |
| 0 | 95 |
| 0 | 95.1 |
| 0 | 69.1 |

PFAS Can dilutions

DF=dilution factor
P=pressure
DC=daily cal
LB= lab blank
REP=replicate analysis

| File Name | Sample name |
|---|---|
| 041219003.D | 1 ppb |
| 041219004.D | Ambient |
| 041219006.D | Ambient dup |
| 041219007.D | System blank |
| 041219009.D | Batch Blank 2 |
| 041219011.D | Trip Blank |
| 041219013.D | Field Blank |
| 041519002.D | Inst blank |
| 041519003.D | 1 ppb |
| 041519005.D | batch blank 1 |
| 041519006.D | Sample 1 |
| 041519007.D | Sample 1dup |
| 041519009.D | Sample 2 |
| 041519011.D | Sample 3 |
| 041519013.D | Sample 4 |
| 041519015.D | Sample 5 |
| 041519017.D | Sample 6 |
| 041619002.D | Inst blank |
| 041619003.D | 1 ppb |
| 041619005.D | batch blank 1 |
| 041619006.D | Sample 7 |
| 041619007.D | Sample 7dup |
| 041619009.D | Sample 8 |
| 041619011.D | Sample 9 |
| 041619013.D | Sample 10 |
| 041619015.D | Sample 11 |
| 041619017.D | Sample 12 |
| 041719002.D | Inst blank |
| 041719003.D | 1 ppb |
| 041719005.D | batch blank 1 |
| 041719006.D | Sample 13 |
| 041719007.D | Sample 13dup |
| 041719009.D | Sample 14 |
| 041719011.D | Sample 15 |
| 041719013.D | Sample 16 |

| Can ID | Pi psia | Pf psia | DF | QC samples |
|---|---|---|---|---|
| | | | 1 | DC |
| 744 | 8.8 | 29 | 3.295454545 | |
| 744 | 8.8 | 29 | 3.295454545 | REP |
| BTP1 | 8.9 | 29.9 | 3.359550562 | |
| "N1" | | | 1 | LB |
| RK8 Trip Blank | 0.1 | 29.8 | 1 | |
| "021" FB | 0.5 | 29.7 | 1 | |
| | | | 1 | |
| | | | 1 | DC |
| "068" | | | 1 | LB |
| NP1 | 11.4 | 29.2 | 2.561403509 | |
| NP1 | 11.4 | 29.2 | 2.561403509 | REP |
| 721 | 11 | 29.7 | 2.7 | |
| 2504 | 11.3 | 29.9 | 2.646017699 | |
| A378 | 11.4 | 29.7 | 2.605263158 | |
| 262 | 11.4 | 29.9 | 2.622807018 | |
| 404 | 11.4 | 29.8 | 2.614035088 | |
| | | | 1 | |
| | | | 1 | DC |
| "068" | | | 1 | LB |
| 751 | 11.3 | 29.8 | 2.637168142 | |
| 751 | 11.3 | 29.8 | 2.637168142 | REP |
| MTC48 | 11.3 | 29.4 | 2.601769912 | |
| 700 | 11.2 | 29.9 | 2.669642857 | |
| 2521 | 11.3 | 29.2 | 2.584070796 | |
| 651 | 11.4 | 29.2 | 2.561403509 | |
| 793 | 11.1 | 29.9 | 2.693693694 | |
| | | | 1 | |
| | | | 1 | DC |
| "068" | | | 1 | LB |
| RK9 | 11.4 | 29.9 | 2.622807018 | |
| RK9 | 11.4 | 29.9 | 2.622807018 | REP |
| 253 | 11.5 | 29.5 | 2.565217391 | |
| 723 | 11 | 29.7 | 2.7 | |
| 321 | 10.4 | 29.8 | 2.865384615 | |

| | Compound |
|---|---|
| | Internal Standards |
| 1) | Bromochloromethane |
| 62) | 1,4-Difluorobenzene |
| 89) | Chlorobenzene-d5 |
| | |
| | Target Compounds |
| 2] | Propylene |
| 3] | Propane |
| 4] | Dichlorodifluoromethane |
| 5] | Chloromethane |
| 6] | Isobutane |
| 7] | Dichlorotetrafluoroethane |
| 8] | Vinyl Chloride |
| 9] | 1-Butene |
| 10] | 1,3-Butadiene |
| 11] | Butane |
| 12) | trans-2-butene |
| 13] | Bromomethane |
| 14] | cis-2-butene |
| 15] | Chloroethane |
| 16] | Ethanol |
| 17] | Vinyl Bromide |
| 18] | Acetonitrile |
| 19] | Acrolein |
| 20] | Acetone |
| 21] | iso-Pentane |
| 22] | Trichlorofluoromethane |
| 23] | Isopropyl Alcohol |
| 24] | 1-Pentene |
| 25] | Acrylonitrile |
| 26] | n-Pentane |
| 27] | Isoprene |
| 28] | trans-2-pentene |
| 29] | cis-2-pentene |
| 30] | Tert-Butanol |
| 31] | 1,1-Dichloroethene |
| 32] | Methylene Chloride |
| 33] | 3-Chloro-1-Propene |
| 34] | 1,1,2-Trichloro-1,2,2-... |
| 35] | Carbon Disulfide |
| 36] | 2,2-Dimethylbutane |
| 37] | trans-1,2-Dichloroethene |
| 38] | Cyclopentane |
| 39] | 2,3-Dimethylbutane |
| 40] | 1,1-Dichloroethane |

41] Methyl-t-Butyl-Ether
42] Vinyl Acetate
43] 2-Methylpentane
44] 2-Butanone
45] 3-Methylpentane
46] 2-Chloroprene
47] 1-Hexene
48] cis-1,2-Dichloroethene
49] Diisopropyl ether
50] Ethyl Acetate
51] n-Hexane
52] Chloroform
53] Tetrahydrofuran
54] Ethyl Tert-Butyl Ether
55] Methylcyclopentane
56] 1,2-Dichloroethane
57] 2,4-Dimethylpentane
58] 1,1,1-Trichloroethane
59] Benzene
60] Carbon Tetrachloride
61] Cyclohexane
63] 2-Methylhexane
64] 2,3-Dimethylpentane
65] Tert Amyl Methyl Ether
66] 3-methylhexane
67] 1,2-Dichloropropane
68] Ethyl acrylate
69] Bromodichloromethane
70] 1,4-Dioxane
71] Trichloroethene
72] Isooctane
73] Methyl Methacrylate
74] Heptane
75] cis-1,3-Dichloropropene
76] 4-Methy-2-Pentanone
77] Methylcyclohexane
78] trans-1,3-Dichloropropene
79] 1,1,2-Trichloroethane
80] 2,3,4-Trimethylpentane
81] Toluene
82] 2-Methylheptane
83] 2-Hexanone
84] Dibromochloromethane
85] 3-Methylheptane
86] 1,2-Dibromoethane
87] Octane
88] Tetrachloroethene

| | |
|---|---|
| 90] | 1,1,1,2-Tetrachloroethane |
| 91] | Chlorobenzene |
| 92] | Ethylbenzene |
| 93] | m-Xylene |
| 94] | p-Xylene |
| 95] | Bromoform |
| 96] | Styrene |
| 97] | Butyl Acrylate |
| 98] | 1,1,2,2-Tetrachloroethane |
| 99] | o-Xylene |
| 100] | Nonane |
| 101] | Bromofluorobenzene |
| 102] | Cumene |
| 103] | Chlorotoluenes |
| 104] | n-Propylbenzene |
| 105] | m-Ethyltoluene |
| 106] | 1,3,5-Trimethylbenzene |
| 107] | 1,2,4-Trimethylbenzene |
| 108] | Tert-Butyl Benzene |
| 109] | 1-Ethyl-4-Methyl Benzene |
| 110] | o-Ethyltoluene |
| 111] | 1,3-Dichlorobenzene |
| 112] | 1,4-Dichlorobenzene |
| 113] | n-Decane |
| 114] | Sec-Butyl Benzene |
| 115] | 1,2,3-Trimethylbenzene |
| 116] | 1,2-Dichlorobenzene |
| 117] | o-Cymene |
| 118] | 1,3-Diethylbenzene |
| 119] | 1,2-Diethylbenzene |
| 120] | n-Butyl Benzene |
| 121] | Undecane |
| 122] | 1,2,4-Trichlorobenzene |
| 123] | Naphthalene |
| 124] | Dodecane |
| 125] | Hexachlorobutadiene |

---

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

TOP_021319cal.M Wed May 22 13:56:38 2019

Daily cals

| Nom conc | Nom conc |
|---|---|
| 041219003.D | 041519003.D |
| 1 ppb | 1 ppb |
| 1.64514628 | 1.048323365 |
| 2.073232631 | 1.200321404 |
| 1.488471861 | 1.108400446 |
| 1.452069817 | 1.107592727 |
| 1.825811527 | 1.405682685 |
| 1.34903399 | 1.261944258 |
| 1.131931268 | 1.089649936 |
| 1.468728246 | 1.310848715 |
| 1.189734161 | 1.118479334 |
| 1.229804911 | 1.186933936 |
| 1.186658874 | 1.146752527 |
| 1.173123628 | 1.152294304 |
| 1.214849568 | 1.145157059 |
| 1.153932436 | 1.148754327 |
| 1.414005165 | 1.177332994 |
| 1.221978837 | 1.182800464 |
| 1.36659842 | 1.298664402 |
| 1.146729168 | 1.086755135 |
| 4.070562857 | 1.827712181 |
| 1.349650395 | 1.244764321 |
| 1.145104257 | 1.268849112 |
| 3.324539752 | 3.317935806 |
| 1.285239208 | 1.220380894 |
| 1.155636941 | 1.204150858 |

| Nom conc | Nom conc |
|---|---|
| 041619003.D | 041719003.D |
| 1 ppb | 1 ppb |
| 0.96294626 | 0.943154738 |
| 1.148894894 | 1.069577887 |
| 1.070840315 | 1.069482258 |
| 1.04371908 | 1.002621382 |
| 1.408803683 | 1.370166369 |
| 1.319206214 | 1.273000404 |
| 1.118691926 | 1.081976412 |
| 1.296986629 | 1.278893775 |
| 1.136835896 | 1.104009162 |
| 1.224824564 | 1.1214342 |
| 1.149811772 | 1.117939869 |
| 1.224797334 | 1.178728208 |
| 1.145126654 | 1.125211731 |
| 1.1894579 | 1.164351949 |
| 1.317222567 | 1.2367046 |
| 1.209875646 | 1.159120577 |
| 1.358047839 | 1.283078562 |
| 1.101712792 | 1.059222817 |
| 1.661107631 | 1.555021585 |
| 1.285743208 | 1.253749535 |
| 1.358105579 | 1.326601922 |
| 3.136035079 | 2.996163195 |
| 1.274527322 | 1.238592215 |
| 1.229374893 | 1.194910719 |

| %D | %D | %D |
|---|---|---|
| 041219003.D | 041519003.D | 041619003.D |
| 1 ppb | 1 ppb | 1 ppb |

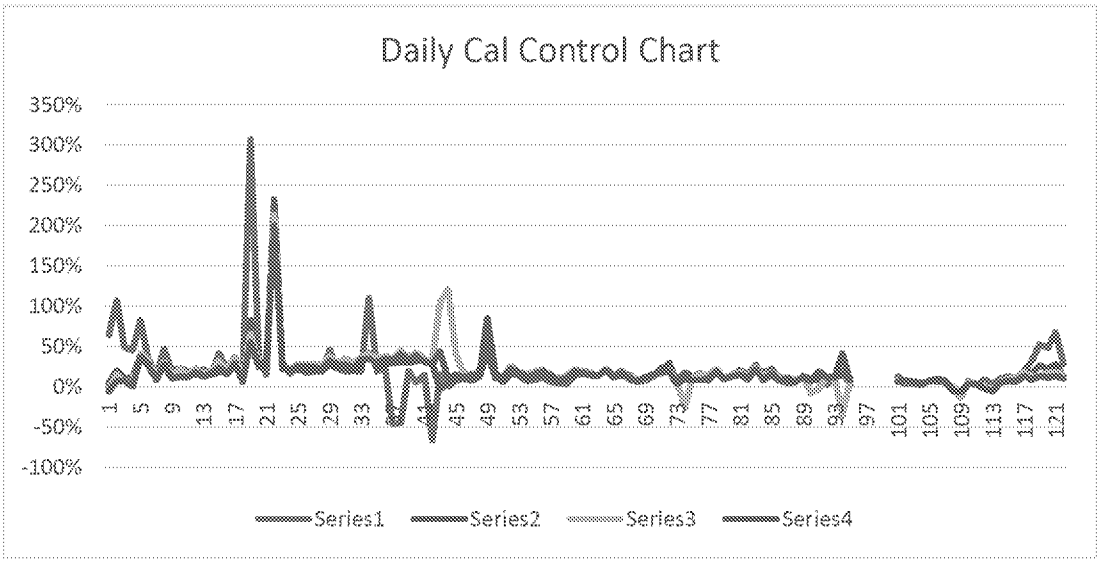
NEED TO UPDATE CALIBRATION

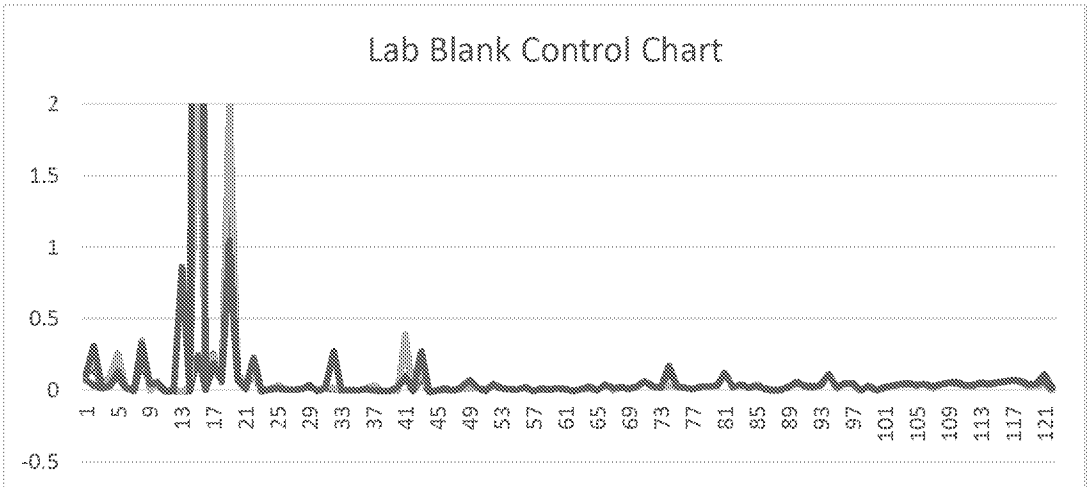
| Shaded is > 30% D | Shaded is > 30% D | Shaded is > 30% D |
|---|---|---|
| 65% | 5% | -4% |
| 107% | 20% | 15% |
| 49% | 11% | 7% |
| 45% | 11% | 4% |
| 83% | 41% | 41% |
| 35% | 26% | 32% |
| 13% | 9% | 12% |
| 47% | 31% | 30% |
| 19% | 12% | 14% |
| 23% | 19% | 22% |
| 19% | 15% | 15% |
| 17% | 15% | 22% |
| 21% | 15% | 15% |
| 15% | 15% | 19% |
| 41% | 18% | 32% |
| 22% | 18% | 21% |
| 37% | 30% | 36% |
| 15% | 9% | 10% |
| 307% | 83% | 66% |
| 35% | 24% | 29% |
| 15% | 27% | 36% |
| 232% | 232% | 214% |
| 29% | 22% | 27% |
| 16% | 20% | 23% |

| %D | Nom conc |
|---|---|
| 041719003.D | 041219009.D |
| 1 ppb | Batch Blank 2 |

| Shaded is > 30% D | Shaded is >0.2 ppbv |
|---|---|
| -6% | 0.119341586 |
| 7% | 0.157744952 |
| 7% | 0.03191804 |
| 0% | 0.072448437 |
| 37% | 0.228341102 |
| 27% | 0.016244772 |
| 8% | -0.007332403 |
| 28% | 0.231606051 |
| 10% | 0.036924648 |
| 12% | 0.060876578 |
| 12% | -0.010352205 |
| 18% | 0.00329792 |
| 13% | -0.008067357 |
| 16% | 0.019798441 |
| 24% | 3.42369899 |
| 16% | 0.003705851 |
| 28% | 0.254725147 |
| 6% | 0.058304827 |
| 56% | 1.788131444 |
| 25% | 0.092826826 |
| 33% | 0.01704748 |
| 200% | 0.11224489 |
| 24% | -0.004765608 |
| 19% | 0.009167354 |

| Nom conc | Nom conc | Nom conc |
|---|---|---|
| 041519005.D | 041619005.D | 041719005.D |
| batch blank 1 | batch blank 1 | batch blank 1 |
| 0.069097691 | 0.101329154 | 0.107083971 |
| 0.033665724 | 0.229507044 | 0.30949377 |
| 0.013643051 | 0.027275568 | 0.01508488 |
| 0.039140575 | 0.094564156 | 0.023754596 |
| 0.09508841 | 0.258965876 | 0.127212924 |
| 0.016244772 | 0.016244772 | 0.016244772 |
| -0.007332403 | -0.007332403 | -0.007332403 |
| 0.215948216 | 0.346301761 | 0.325402627 |
| 0.033452774 | -0.001561545 | 0.042056957 |
| 0.03658295 | 0.062320981 | 0.052169736 |
| -0.010352205 | -0.010352205 | -0.010352205 |
| -0.003559412 | 0.005248849 | -0.003559412 |
| -0.008067357 | -0.008067357 | 0.864262976 |
| -0.007728195 | 0.02407581 | -0.007728195 |
| 0.247057767 | 2.346213212 | 8.701954295 |
| 0.00430487 | 0.006113829 | 0.004908562 |
| 0.162516502 | 0.24091851 | 0.188630932 |
| 0.071493997 | 0.071259106 | 0.067968971 |
| 0.929969244 | 2.052389233 | 1.047510748 |
| 0.065114109 | 0.124346515 | 0.073843512 |
| 0.007665394 | 0.016878918 | 0.008173398 |
| 0.141438805 | 0.118378962 | 0.228505496 |
| 0.000741354 | -0.009454382 | -0.007283568 |
| 0.00126372 | 0.00126372 | 0.00126372 |


Daily Cal Control Chart
350%
300%
250%
200%
150%
100%
50%
0%
-50%
-100%
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93 97 101 105 109 113 117 121
Series1
Series2
Series3
Series4


Lab Blank Control Chart
2
1.5
1
0.5
0
-0.5
1 5 9 13 17 21 25 29 33 37 41 45 49 53 57 61 65 69 73 77 81 85 89 93 97 101 105 109 113 117 121

REPLICATE ANALYSIS (QA within 25%)

| Nom conc | Nom conc | |
|---|---|---|
| 041219004.D | 041219006.D | |
| Ambient | Ambient dup | |
| | | HIGHLIGHTED OUTSIDE 25% |
| 2.52729638 | 2.044087211 | 21% |
| 21.00710586 | 14.75257792 | 35% |
| 0.134271592 | 0.117088234 | 14% |
| 0.232284811 | 0.188376261 | 21% |
| 0.373497884 | 0.309609641 | 19% |
| 0.019406756 | 0.018889441 | 3% |
| -0.007332403 | -0.007332403 | 0% |
| 0.352297204 | 0.25019561 | 34% |
| 0.037334812 | 0.040042966 | -7% |
| 0.137241194 | 0.172495769 | -23% |
| -0.010352205 | -0.010352205 | 0% |
| -0.003559412 | -0.003559412 | 0% |
| -0.008067357 | -0.008067357 | 0% |
| -0.007728195 | -0.007728195 | 0% |
| 2295.996959 | 1796.82107 | 24% |
| 0.003349045 | 0.003554875 | -6% |
| 0.104748578 | 0.130956742 | -22% |
| 0.180791192 | 0.16623141 | 8% |
| 3.029789174 | 2.937088556 | 3% |
| 0.309236365 | 0.291581794 | 6% |
| 0.091117568 | 0.095748366 | -5% |
| 3.461532094 | 2.676462405 | 26% |
| 0.053277457 | 0.023970343 | 76% |
| 0.020612974 | 0.019567516 | 5% |

| Nom conc | Nom conc | |
|---|---|---|
| 041519006.D | 041519007.D | |
| Sample 1 | Sample 1dup | |
| 2.74075081 | 2.869232133 | -5% |
| 20.81323158 | 22.44102629 | -8% |
| 0.158219509 | 0.15168006 | 4% |
| 0.242972038 | 0.26594451 | -9% |
| 0.503147839 | 0.551991635 | -9% |
| 0.016244772 | 0.016244772 | 0% |
| -0.007332403 | -0.007332403 | 0% |
| 0.167005621 | 0.214237621 | -25% |
| 0.037118561 | 0.048312646 | -26% |
| 0.298789187 | 0.262635794 | 13% |
| -0.010352205 | -0.010352205 | 0% |
| -0.003559412 | 0.003372933 | 7435% |
| -0.008067357 | -0.008067357 | 0% |
| -0.007728195 | -0.007728195 | 0% |
| 17640.71832 | 16623.7204 | 6% |
| 0.003674447 | 0.003156858 | 15% |
| -0.025230821 | -0.025230821 | 0% |
| 0.240160983 | 0.248405772 | -3% |
| 4.23652826 | 4.287291708 | -1% |
| 0.386047878 | 0.393712411 | -2% |
| 0.114164032 | 0.115839038 | -1% |
| 4.800749661 | 5.097481755 | -6% |
| 0.027843089 | 0.038712268 | -33% |
| 0.00126372 | 0.036076705 | -186% |

| Nom conc | Nom conc | |
|---|---|---|
| 041619006.D | 041619007.D | |
| Sample 7 | Sample 7dup | |
| 5.32971828 | 6.201188769 | -15% |
| 46.02184643 | 54.42139567 | -17% |
| 0.152243639 | 0.176533176 | -15% |
| 0.233991441 | 0.272191376 | -15% |
| 1.920963893 | 1.994924263 | -4% |
| 0.02062423 | 0.021156021 | -3% |
| -0.007332403 | -0.007332403 | 0% |
| 0.856913366 | 0.937789204 | -9% |
| 0.096006842 | 0.09661505 | -1% |
| 0.724674537 | 0.79395799 | -9% |
| -0.010352205 | -0.010352205 | 0% |
| 0.004301196 | -0.003559412 | 2119% |
| -0.008067357 | -0.008067357 | 0% |
| 0.009118621 | 0.014376201 | -45% |
| 66213.47006 | 71316.49937 | -7% |
| 0.003977893 | 0.005100093 | -25% |
| 0.742539617 | 0.796798594 | -7% |
| 0.951923396 | 0.993543338 | -4% |
| 17.73428458 | 18.11038783 | -2% |
| 1.143269264 | 1.173441023 | -3% |
| 0.138981502 | 0.135152627 | 3% |
| 56.55322851 | 49.23316591 | 14% |
| 0.134704716 | 0.195854299 | -37% |
| 0.073736097 | 0.078486744 | -6% |

| Nom conc | Nom conc | |
|---|---|---|
| 041719006.D | 041719007.D | |
| Sample 13 | Sample 13dup | |
| 3.964952057 | 3.919259189 | 1% |
| 32.08780374 | 31.73672571 | 1% |
| 0.161375575 | 0.159859787 | 1% |
| 0.253283358 | 0.236893999 | 7% |
| 1.700217685 | 1.826807048 | -7% |
| 0.021253307 | 0.021368375 | -1% |
| -0.007332403 | -0.007332403 | 0% |
| 0.416375844 | 0.306739482 | 30% |
| 0.054582372 | 0.044910184 | 19% |
| 0.595521828 | 0.576640754 | 3% |
| -0.010352205 | -0.010352205 | 0% |
| -0.003559412 | 0.003423701 | 10291% |
| -0.008067357 | -0.008067357 | 0% |
| 0.01202522 | 0.016408269 | -31% |
| 27489.68071 | 27106.20991 | 1% |
| 0.00338591 | 0.005922959 | -55% |
| -0.025230821 | 0.278108162 | -240% |
| 0.390215237 | 0.357674831 | 9% |
| 6.243432657 | 5.812580093 | 7% |
| 0.737622629 | 0.718754483 | 3% |
| 0.124757178 | 0.12080654 | 3% |
| 17.82263668 | 17.61251229 | 1% |
| 0.067737443 | 0.077083671 | -13% |
| 0.051415958 | 0.048453549 | 6% |

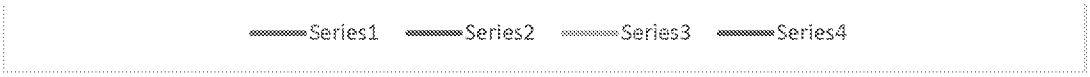
| | |
|---|---|
| 1.26807993 | 1.208688864 |
| 1.171222428 | 1.198207718 |
| 1.188974709 | 1.198279679 |
| 1.188285946 | 1.194239699 |
| 1.448381379 | 1.271023875 |
| 1.232201505 | 1.227157411 |
| 1.187619395 | 1.2318643 |
| 1.198008468 | 1.206996524 |
| 1.192138391 | 1.279931964 |
| 2.105940189 | 1.421407566 |
| 1.18703469 | 1.239562946 |
| 1.251637806 | 1.283347453 |
| 0.535305718 | 1.292916477 |
| 0.549512395 | 1.308165562 |
| 1.190172331 | 1.303569164 |
| 1.050360611 | 1.319404738 |
| 1.140386792 | 1.338329144 |
| 0.333375614 | 1.289117996 |
| 1.144858669 | 0.965572468 |
| 1.006635342 | 1.053958491 |
| 1.066750157 | 1.111834861 |
| 1.117511302 | 1.102008339 |
| 1.126057522 | 1.07835346 |
| 1.1213426 | 1.125839008 |
| 1.408773547 | 1.464274509 |
| 1.115182726 | 1.105462893 |
| 1.057907022 | 1.091989291 |
| 1.167703559 | 1.183902534 |
| 1.137424026 | 1.134171847 |
| 1.071681513 | 1.090956349 |
| 1.081323467 | 1.118626422 |
| 1.114959537 | 1.15256692 |
| 1.064632728 | 1.107979073 |
| 1.046867679 | 1.058075377 |
| 1.031521052 | 1.094154633 |
| 1.131730665 | 1.16021397 |
| 1.163482403 | 1.193870802 |
| 1.137923806 | 1.170483485 |
| 1.135485039 | 1.136820233 |
| 1.220785037 | 1.207531452 |
| 1.113488804 | 1.145817048 |
| 1.200027372 | 1.135763914 |
| 1.083038437 | 1.145530944 |
| 1.063408075 | 1.069445335 |
| 1.080925073 | 1.114815577 |
| 1.128483996 | 1.151989513 |
| 1.227208022 | 1.178199861 |

| | |
|---|---|
| 1.272185925 | 1.252976992 |
| 1.268490893 | 1.253862779 |
| 1.280233509 | 1.237832818 |
| 1.266271353 | 1.222668956 |
| 1.378717698 | 1.32408736 |
| 1.298574489 | 1.26831171 |
| 1.344267419 | 1.278591262 |
| 1.3010797 | 1.231333381 |
| 1.366884637 | 1.33584058 |
| 1.410731898 | 1.346206293 |
| 1.340466193 | 1.291391711 |
| 1.378737486 | 1.34949367 |
| 1.347966615 | 1.320666893 |
| 1.451042764 | 1.400619412 |
| 1.368479182 | 1.320865688 |
| 1.415991387 | 1.385733708 |
| 1.344268301 | 1.30411045 |
| 1.307392356 | 1.274858917 |
| 2.046734821 | 1.435180532 |
| 2.202994008 | 1.093075706 |
| 1.409269481 | 1.151525538 |
| 1.145563946 | 1.118305806 |
| 1.153666109 | 1.139255573 |
| 1.195346422 | 1.151624645 |
| 14.79040431 | 1.848222697 |
| 1.149755506 | 1.140943104 |
| 1.136398903 | 1.114453348 |
| 1.251167754 | 1.222916868 |
| 1.179260442 | 1.168972631 |
| 1.16035712 | 1.117916271 |
| 1.191803539 | 1.154609997 |
| 1.211500013 | 1.189307534 |
| 1.146955225 | 1.134456432 |
| 1.102317425 | 1.078950553 |
| 1.129861125 | 1.101466663 |
| 1.216189239 | 1.184966485 |
| 1.187884024 | 1.171106111 |
| 1.175615181 | 1.147337732 |
| 1.130006195 | 1.134073986 |
| 1.216900302 | 1.204876561 |
| 1.122531042 | 1.118727078 |
| 1.133335387 | 1.151120949 |
| 1.136448815 | 1.108340387 |
| 1.080036832 | 1.066239069 |
| 1.097062241 | 1.108436865 |
| 1.153894383 | 1.15082347 |
| 1.157407168 | 1.179900654 |

| | | |
|---|---|---|
| 27% | 21% | 27% |
| 17% | 20% | 27% |
| 19% | 20% | 28% |
| 19% | 19% | 27% |
| 45% | 27% | 38% |
| 23% | 23% | 30% |
| 19% | 23% | 34% |
| 20% | 21% | 30% |
| 19% | 28% | 37% |
| 111% | 42% | 41% |
| 19% | 24% | 34% |
| 25% | 28% | 38% |
| -46% | 29% | 35% |
| -45% | 31% | 45% |
| 19% | 30% | 37% |
| 5% | 32% | 42% |
| 14% | 34% | 34% |
| -67% | 29% | 31% |
| 14% | -3% | 105% |
| 1% | 5% | 120% |
| 7% | 11% | 41% |
| 12% | 10% | 15% |
| 13% | 8% | 15% |
| 12% | 13% | 20% |
| 41% | 46% | |
| 12% | 11% | 15% |
| 6% | 9% | 14% |
| 17% | 18% | 25% |
| 14% | 13% | 18% |
| 7% | 9% | 16% |
| 8% | 12% | 19% |
| 11% | 15% | 21% |
| 6% | 11% | 15% |
| 5% | 6% | 10% |
| 3% | 9% | 13% |
| 13% | 16% | 22% |
| 16% | 19% | 19% |
| 14% | 17% | 18% |
| 14% | 14% | 13% |
| 22% | 21% | 22% |
| 11% | 15% | 12% |
| 20% | 14% | 13% |
| 8% | 15% | 14% |
| 6% | 7% | 8% |
| 8% | 11% | 10% |
| 13% | 15% | 15% |
| 23% | 18% | 16% |

| | | |
|---|---|---|
| 25% | | 0.030823089 |
| 25% | | 0.004016184 |
| 24% | | 0.003713256 |
| 22% | | 0.007673474 |
| 32% | | 0.025574156 |
| 27% | | -0.004129794 |
| 28% | | 0.02147303 |
| 23% | | 0.008443712 |
| 34% | | 0.001914812 |
| 35% | | 0.004788985 |
| 29% | | -0.000316269 |
| 35% | | 0.005901494 |
| 32% | | 0.027337306 |
| 40% | | -0.003487593 |
| 32% | | -0.003516741 |
| 39% | | 0.017198618 |
| 30% | | 0.326680524 |
| 27% | | -0.006570804 |
| 44% | | 0.159764388 |
| 9% | | -0.014845516 |
| 15% | | -0.00123966 |
| 12% | | 0.004525067 |
| 14% | | -0.002630827 |
| 15% | | 0.010021576 |
| 85% | NEED TO CHECK INTEGRATION | 0.010128441 |
| 14% | | 0.018689897 |
| 11% | | -0.004788295 |
| 22% | | 0.036145833 |
| 17% | | 0.013707065 |
| 12% | | 0.008424562 |
| 15% | | 0.004523478 |
| 19% | | 0.015993998 |
| 13% | | -0.006550343 |
| 8% | | 0.01160369 |
| 10% | | 0.004455591 |
| 18% | | 0.011646211 |
| 17% | | 0.009024407 |
| 15% | | -0.004547065 |
| 13% | | 0.009465692 |
| 20% | | 0.017670672 |
| 12% | | -0.002595056 |
| 15% | | 0.04102804 |
| 11% | | 0.009566697 |
| 7% | | 0.022606865 |
| 11% | | 0.00909295 |
| 15% | | 0.024428384 |
| 18% | | 0.060989282 |

| | | |
|---|---|---|
| 0.013404165 | 0.034394895 | 0.015816871 |
| 0.003086336 | 0.00580332 | 0.002691003 |
| 0.003263617 | 0.003495434 | 0.005453088 |
| 0.008694574 | 0.007170917 | 0.007866312 |
| 0.03283327 | 0.029739396 | 0.03147544 |
| -0.004129794 | -0.004129794 | -0.004129794 |
| 0.01247395 | 0.024844397 | 0.012503759 |
| 0.005940956 | 0.010578431 | 0.269938302 |
| -1.84223E-05 | 0.00259901 | -0.000232756 |
| 0.001485911 | 0.001987517 | -0.002098803 |
| -5.77527E-05 | 0.000265052 | 7.53128E-06 |
| 0.007015021 | 0.006159062 | 0.007812062 |
| 0.036456246 | 0.034470714 | -0.000879946 |
| -0.003487593 | -0.003487593 | -0.003487593 |
| -0.003516741 | -0.003516741 | -0.003516741 |
| 0.018172279 | -0.003399414 | 0.02321462 |
| 0.097431984 | 0.387906869 | 0.087957063 |
| -0.006570804 | -0.006570804 | -0.006570804 |
| 0.088361985 | 0.157162623 | 0.273710016 |
| -0.014000607 | -0.014780548 | -0.011603206 |
| -0.001703028 | -0.002934352 | -0.002934352 |
| 0.011022552 | 0.004525067 | 0.004525067 |
| -0.002630827 | -0.000365901 | -0.002630827 |
| 0.010021576 | 0.010021576 | 0.016488482 |
| 0.010128441 | 0.010128441 | 0.071824065 |
| 0.016766276 | 0.019065916 | 0.020514984 |
| -0.004394435 | -0.004074364 | -0.004401475 |
| 0.036428339 | 0.039124738 | 0.044032422 |
| 0.013707065 | 0.013707065 | 0.013707065 |
| 0.008424562 | 0.008424562 | 0.008424562 |
| 0.00361683 | 0.001393719 | 0.003804274 |
| 0.019066414 | 0.015993998 | 0.020793757 |
| -0.006550343 | -0.006550343 | -0.00546262 |
| 0.008815925 | 0.012329797 | 0.010076169 |
| 0.002485838 | 0.004279386 | 0.00247588 |
| 0.011646211 | 0.011646211 | 0.011646211 |
| 0.009024407 | 0.009024407 | 0.009024407 |
| -0.004547065 | -0.004547065 | -0.004547065 |
| 0.009465692 | 0.009465692 | 0.009465692 |
| 0.014084522 | 0.018847878 | 0.026755024 |
| -0.002595056 | -0.002595056 | -0.002595056 |
| 0.04102804 | 0.04102804 | 0.04102804 |
| -0.002709615 | -0.002709615 | 0.010077444 |
| 0.022606865 | 0.022606865 | 0.022606865 |
| 0.007820086 | 0.010455634 | 0.00980066 |
| 0.024899224 | 0.025107887 | 0.025047605 |
| 0.060989282 | 0.060989282 | 0.060989282 |


Series1
Series2
Series3
Series4

| | | |
|---|---|---|
| 0.264470524 | 0.230871209 | 14% |
| 0.045795355 | 0.043741851 | 5% |
| 0.003483088 | 0.004769727 | -31% |
| 0.009951566 | 0.010800457 | -8% |
| 0.075797927 | 0.067702373 | 11% |
| -0.004129794 | -0.004129794 | 0% |
| 0.047011954 | 0.04215614 | 11% |
| 0.007422218 | 0.005552947 | 29% |
| 0.017654878 | 0.022138718 | -23% |
| 0.017224093 | 0.012600001 | 31% |
| 0.002376127 | 0.002838688 | -18% |
| 0.006411312 | 0.005262682 | 20% |
| 0.054801395 | 0.059289971 | -8% |
| -0.003487593 | -0.003487593 | 0% |
| -0.003516741 | -0.003516741 | 0% |
| 0.019198196 | 0.01718817 | 11% |
| 0.199694807 | 0.190369144 | 5% |
| -0.006570804 | -0.006570804 | 0% |
| 3.163836586 | 4.740567758 | -40% |
| -0.00464451 | -0.023204972 | -133% |
| -0.002934352 | -0.002934352 | 0% |
| 0.018674225 | 0.017144369 | 9% |
| -0.002630827 | -0.002630827 | 0% |
| 0.076783515 | 0.071686221 | 7% |
| 0.535028754 | 0.580563494 | -8% |
| 0.0227385 | 0.011448982 | 66% |
| -0.002528855 | -0.00256685 | -1% |
| 0.053959657 | 0.043712445 | 21% |
| 0.013707065 | 0.013707065 | 0% |
| 0.020281101 | 0.019130649 | 6% |
| 0.007076207 | 0.00675426 | 5% |
| 0.024201567 | 0.022825766 | 6% |
| -0.004984624 | -0.005134867 | -3% |
| 0.031837652 | 0.029911751 | 6% |
| 0.01771085 | 0.018122316 | -2% |
| 0.011646211 | 0.011646211 | 0% |
| 0.045332111 | 0.039086247 | 15% |
| -0.004547065 | -0.004547065 | 0% |
| 0.009465692 | 0.009465692 | 0% |
| 0.046242425 | 0.043125696 | 7% |
| -0.002595056 | -0.002595056 | 0% |
| 0.04102804 | 0.04102804 | 0% |
| 0.01070367 | 0.009732918 | 10% |
| 0.022606865 | 0.022606865 | 0% |
| 0.039834156 | 0.039125348 | 2% |
| 0.026161178 | 0.025686148 | 2% |
| 0.060989282 | 0.060989282 | 0% |

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|---|---|---|
| 0.37238519 | 0.372311735 | 0% |
| 0.02488941 | 0.023756382 | 5% |
| 0.004661728 | 0.00559261 | -18% |
| 0.010535042 | 0.010441114 | 1% |
| 0.088164166 | 0.088416072 | 0% |
| -0.004129794 | -0.004129794 | 0% |
| 0.048963395 | 0.05007617 | -2% |
| 0.008289497 | 0.006844473 | 19% |
| 0.028510424 | 0.028182378 | 1% |
| 0.00550204 | 0.01043444 | -62% |
| 0.011265934 | 0.010740715 | 5% |
| 0.005996676 | 0.005744481 | 4% |
| -0.000879946 | -0.000879946 | 0% |
| -0.003487593 | 0.169694946 | -208% |
| -0.003516741 | -0.003516741 | 0% |
| -0.003399414 | 0.020407622 | -280% |
| 0.31926683 | 0.323959357 | -1% |
| 0.122080373 | 0.122810788 | -1% |
| 0.284817808 | 0.275110096 | 3% |
| 0.009048569 | 0.006696838 | 30% |
| 0.000294001 | 0.000689714 | -80% |
| 0.014733781 | 0.018514914 | -23% |
| -0.002630827 | -0.002630827 | 0% |
| 0.806741007 | 0.8188982 | -1% |
| 4.550090397 | 4.590395749 | -1% |
| 0.011448982 | 0.011448982 | 0% |
| 0.000387619 | 0.000642709 | -50% |
| 0.01040738 | 0.01040738 | 0% |
| 0.013707065 | 0.013707065 | 0% |
| 0.032421057 | 0.031867321 | 2% |
| 0.008973547 | 0.009691886 | -8% |
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| 0.030454178 | 0.030426063 | 0% |
| 0.025661821 | 0.026577399 | -4% |
| 0.011646211 | 0.011646211 | 0% |
| 0.945122831 | 0.949747236 | 0% |
| 0.328137089 | 0.346718044 | -6% |
| 0.009465692 | 0.009465692 | 0% |
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| 0.04102804 | 0.04102804 | 0% |
| 0.00940191 | 0.011722426 | -22% |
| 0.022606865 | 0.022606865 | 0% |
| 0.035815983 | 0.037956213 | -6% |
| 0.025644727 | 0.028024283 | -9% |
| 0.060989282 | 0.060989282 | 0% |

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|---|---|---|
| 0.770367207 | 0.804718541 | -4% |
| 0.062229785 | 0.060310336 | 3% |
| 0.021328227 | 0.024887476 | -15% |
| 0.021284593 | 0.025105928 | -16% |
| 0.164993269 | 0.167111652 | -1% |
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| 0.14033352 | 0.150580761 | -7% |
| 0.010990536 | 0.007771999 | 34% |
| 0.028235239 | 0.029249451 | -4% |
| 0.008118779 | 0.010386943 | -25% |
| 0.008284638 | 0.006397106 | 26% |
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| 0.868268909 | 0.821060373 | 6% |
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| -0.003399414 | -0.003399414 | 0% |
| 1.299623639 | 1.225488165 | 6% |
| 0.665436335 | 0.667964741 | 0% |
| 1.17744608 | 1.21929637 | -3% |
| 0.079500642 | 0.06403479 | 22% |
| 0.004347224 | 0.00603944 | -33% |
| 0.181282153 | 0.191631827 | -6% |
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| 16.57473405 | 16.39235984 | 1% |
| 0.19204076 | 0.195353025 | -2% |
| 0.009204328 | 0.009572718 | -4% |
| 0.093956676 | 0.036454882 | 88% |
| 0.013707065 | 0.013707065 | 0% |
| 0.116653714 | 0.110046958 | 6% |
| 0.013425875 | 0.013462567 | 0% |
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| 0.035190927 | 0.034246138 | 3% |
| 0.057731041 | 0.055158775 | 5% |
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| 1.897675641 | 1.920556099 | -1% |
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| 5.455133302 | 5.503508399 | -1% |
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| 0.04102804 | 0.04102804 | 0% |
| 0.023316641 | 0.020705629 | 12% |
| 0.022606865 | 0.022606865 | 0% |
| 0.091541612 | 0.092032476 | -1% |
| 0.047654846 | 0.046570435 | 2% |
| 0.060989282 | 0.060989282 | 0% |

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|---|---|---|
| 0.67856009 | 0.675306596 | 0% |
| 0.027808758 | 0.027446291 | 1% |
| 0.012288304 | 0.008667425 | 35% |
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| 0.115351093 | 0.104894046 | 9% |
| -0.001374908 | -0.002088978 | -41% |
| 0.080930773 | 0.079161131 | 2% |
| 0.008923005 | 0.004751588 | 61% |
| 0.032680653 | 0.030241482 | 8% |
| 0.01967678 | 0.017363412 | 12% |
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| 0.581824253 | 0.560006364 | 4% |
| 0.038894616 | -0.006570804 | 281% |
| 0.930898467 | 0.890456245 | 4% |
| 0.024460836 | 0.03538606 | -37% |
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| 0.05077683 | 0.051679648 | -2% |
| 0.00943373 | 0.01030385 | -9% |
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| 0.069900122 | 0.067778982 | 3% |
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| 0.011646211 | 0.011646211 | 0% |
| 0.893939302 | 0.853187201 | 5% |
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| | | |
|---|---|---|
| 26% | 29% | 20% |
| 8% | 6% | 6% |
| 12% | 17% | -26% |
| 9% | 12% | 11% |
| 16% | 16% | 16% |
| 7% | 11% | 13% |
| 19% | 20% | 22% |
| 9% | 11% | 12% |
| 14% | 14% | 14% |
| 18% | 20% | 18% |
| 8% | 14% | 13% |
| 24% | 27% | 24% |
| 17% | 11% | 13% |
| 22% | 19% | 18% |
| 9% | 12% | 11% |
| 5% | 9% | 12% |
| 5% | 7% | 8% |
| 13% | 11% | 12% |
| 8% | 10% | -8% |
| 8% | 8% | -3% |
| 2% | 11% | 12% |
| 14% | 12% | 13% |
| 20% | 41% | -36% |
| 1% | 6% | 9% |
| | | |
| 16% | 15% | 14% |
| | | |
| 6% | 7% | 9% |
| | | |
| 12% | 8% | 8% |
| 6% | 4% | 6% |
| 3% | 6% | 6% |
| 2% | 3% | 4% |
| 8% | 7% | 7% |
| 6% | 8% | 10% |
| 7% | 4% | 7% |
| 0% | -2% | 0% |
| -12% | -9% | -14% |
| 7% | 5% | 5% |
| 2% | 3% | 3% |
| 9% | -1% | 1% |
| 3% | -2% | -4% |
| 10% | 7% | 7% |
| 13% | 9% | 10% |
| 10% | 11% | 11% |
| 19% | 17% | 18% |
| 32% | 16% | 13% |

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|---|---|
| 19% | 0.024549823 |
| 4% | 0.018502084 |
| 9% | 0.027929247 |
| 9% | 0.024116879 |
| 9% | 0.016159904 |
| 9% | 0.005770729 |
| 19% | 0.021098394 |
| 10% | 0.023347339 |
| 13% | 0.028860779 |
| 15% | 0.11933918 |
| 10% | 0.021732578 |
| 21% | 0.039074221 |
| 8% | 0.014646467 |
| 17% | 0.038234575 |
| 8% | 0.008177705 |
| 10% | -0.005070606 |
| 6% | -0.002778093 |
| 12% | 0.022227057 |
| 7% | 0.054694673 |
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| 12% | 0.022179974 |
| 11% | 0.035093533 |
| 15% | 0.110868788 |
| 9% | 0.014064988 |
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| 9% | 0.025225551 |
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| 6% | 0.012528592 |
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| 0.024745881 | 0.026842738 | 0.026632675 |
| 0.018502084 | 0.018502084 | 0.018502084 |
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| 0.005770729 | 0.005770729 | 0.005770729 |
| 0.021098394 | 0.021098394 | 0.02702887 |
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| 0.028860779 | 0.028860779 | 0.028860779 |
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| 0.024630052 | 0.021756577 | 0.025060264 |
| 0.056214318 | 0.053432658 | 0.056855595 |
| 0.02892521 | 0.028459826 | 0.028967012 |
| 0.024800383 | 0.020513505 | 0.023365467 |
| 0.035093533 | 0.035093533 | 0.035093533 |
| 0.110868788 | 0.110868788 | 0.110868788 |
| 0.018752285 | 0.014064988 | 0.019867449 |
| 0.046546052 | 0.044097785 | 0.046631141 |
| 0.04135899 | 0.044419472 | 0.046895559 |
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| 0 | 0 | 0 |
| 0.012528592 | 0.012528592 | 0.020317852 |
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| 0.043138229 | 0.036285586 | 0.042705305 |
| 0.041902601 | 0.041902601 | 0.046058507 |
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| 0.056674651 | 0.048585857 | 0.048585857 |
| 0.036305505 | 0.031570722 | 0.036487892 |
| 0.034254035 | 0.025802202 | 0.033560376 |
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| 0.052434067 | 0.046188521 | 0.051545829 |
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| | | |
|---|---|---|
| 0.030413567 | 0.028660603 | 6% |
| 0.018502084 | 0.018502084 | 0% |
| 0.660955907 | 0.682649809 | -3% |
| 0.020566877 | 0.020566877 | 0% |
| 0.016159904 | 0.016159904 | 0% |
| 0.005770729 | 0.005770729 | 0% |
| 0.021098394 | 0.021098394 | 0% |
| 8.610954623 | 8.828575645 | -2% |
| 0.028860779 | 0.028860779 | 0% |
| 0.11933918 | 0.122983112 | -3% |
| 0.022129399 | 0.02229789 | -1% |
| 0.0432272 | 0.043591028 | -1% |
| 0.014646467 | 0.014646467 | 0% |
| 0.042898402 | 0.044290212 | -3% |
| 0.011653152 | 0.011835602 | -2% |
| -0.005070606 | -0.005070606 | 0% |
| -0.002778093 | -0.002778093 | 0% |
| 0.029067578 | 0.027956526 | 4% |
| 0.068157158 | 0.080608035 | -17% |
| 0.03661726 | 0.035399908 | 3% |
| 0.02084153 | 0.020355264 | 2% |
| 0.035093533 | 0.035093533 | 0% |
| 0.110868788 | 0.110868788 | 0% |
| 0.014064988 | 0.014064988 | 0% |
| 0.048432621 | 0.04898995 | -1% |
| 0.046346885 | 0.047055168 | -2% |
| 0 | 0 | #DIV/0! |
| 0.025651324 | 0.025518924 | 1% |
| 0 | 0 | #DIV/0! |
| 0.174704942 | 0.171428049 | 2% |
| 0.031947427 | 0.031947427 | 0% |
| 0.036285586 | 0.036285586 | 0% |
| 0.041902601 | 0.041902601 | 0% |
| 0.028893889 | 0.028893889 | 0% |
| 0.041639953 | 0.041639953 | 0% |
| 0.018465714 | 0.014021974 | 27% |
| 0.040148938 | 0.040148938 | 0% |
| 0.05338539 | 0.05338539 | 0% |
| 0.048585857 | 0.057755747 | -17% |
| 0.033148743 | 0.031570722 | 5% |
| 0.029586761 | 0.030896283 | -4% |
| 0.048122897 | 0.048122897 | 0% |
| 0.035294252 | 0.035294252 | 0% |
| 0.046188521 | 0.046188521 | 0% |
| 0.057379349 | 0.057379349 | 0% |
| 0.065491987 | 0.065491987 | 0% |
| 0.067463637 | 0.057659738 | 16% |

| | | |
|---|---|---|
| 0.071837224 | 0.075451598 | -5% |
| 0.018502084 | 0.018502084 | 0% |
| 2.050394309 | 2.077241902 | -1% |
| 0.020566877 | 0.020566877 | 0% |
| 0.016159904 | 0.016159904 | 0% |
| 0.005770729 | 0.005770729 | 0% |
| 0.021098394 | 0.021098394 | 0% |
| 7.441191947 | 7.590503489 | -2% |
| 0.036132214 | 0.034771387 | 4% |
| 0.11933918 | 0.11933918 | 0% |
| 0.022770753 | 0.023192929 | -2% |
| 0.039074221 | 0.039074221 | 0% |
| 0.014646467 | 0.014646467 | 0% |
| 0.045902071 | 0.048841222 | -6% |
| 0.010738082 | 0.011192642 | -4% |
| -0.005070606 | -0.005070606 | 0% |
| -0.002778093 | -0.002778093 | 0% |
| 0.03777121 | 0.036768924 | 3% |
| 0.073877846 | 0.073884189 | 0% |
| 0.043276284 | 0.046852496 | -8% |
| 0.020840482 | 0.020423577 | 2% |
| 0.035093533 | 0.035093533 | 0% |
| 0.110868788 | 0.110868788 | 0% |
| 0.014064988 | 0.014064988 | 0% |
| 0.056420402 | 0.054795043 | 3% |
| 0.188485734 | 0.047352073 | 120% |
| 0 | 0 | #DIV/0! |
| 0.025529914 | 0.024381677 | 5% |
| 0 | 0 | #DIV/0! |
| 0.012528592 | 0.012528592 | 0% |
| 0.031947427 | 0.042295441 | -28% |
| 0.038533314 | 0.036285586 | 6% |
| 0.04545251 | 0.041902601 | 8% |
| 0.028893889 | 0.028893889 | 0% |
| 0.041639953 | 0.041639953 | 0% |
| 0.014021974 | 0.014021974 | 0% |
| 0.040148938 | 0.040148938 | 0% |
| 0.05338539 | 0.05338539 | 0% |
| 0.360793812 | 0.357485145 | 1% |
| 0.031570722 | 0.031570722 | 0% |
| 0.025802202 | 0.032661003 | -23% |
| 0.048122897 | 0.048122897 | 0% |
| 0.035294252 | 0.035294252 | 0% |
| 0.046188521 | 0.046188521 | 0% |
| 0.057379349 | 0.057379349 | 0% |
| 0.065491987 | 0.065491987 | 0% |
| 0.049186679 | 0.049186679 | 0% |

| | | |
|---|---|---|
| 0.358472076 | 0.364455105 | -2% |
| 0.018502084 | 0.024847124 | -29% |
| 13.24320243 | 13.36617424 | -1% |
| 0.154087133 | 0.020566877 | 153% |
| 0.016159904 | 0.016159904 | 0% |
| 0.005770729 | 0.008319876 | -36% |
| 0.021098394 | 0.021098394 | 0% |
| 0.397054425 | 0.401872259 | -1% |
| 0.128293044 | 0.141469499 | -10% |
| 0.166566437 | 0.203695574 | -20% |
| 0.020943951 | 0.02159394 | -3% |
| 0.096305731 | 0.141102762 | -38% |
| 0.014646467 | 0.014646467 | 0% |
| 0.081456117 | 0.082717807 | -2% |
| 0.02170287 | 0.020836695 | 4% |
| -0.005070606 | -0.005070606 | 0% |
| 0.003277259 | 0.003514796 | -7% |
| 0.032073489 | 0.029853465 | 7% |
| 0.06973116 | 0.069304019 | 1% |
| 0.060597644 | 0.055304662 | 9% |
| 0.022659473 | 0.02231025 | 2% |
| 0.042297415 | 0.041319414 | 2% |
| 0.110868788 | 0.141459892 | -24% |
| 0.014064988 | 0.014064988 | 0% |
| 0.094568876 | 0.095138107 | -1% |
| 0.111031383 | 0.115689054 | -4% |
| 0 | 0 | #DIV/0! |
| 0.037633455 | 0.034041095 | 10% |
| 0 | 0 | #DIV/0! |
| 0.012528592 | 0.034839525 | -94% |
| 0.492255541 | 0.507130561 | -3% |
| 0.036285586 | 0.036285586 | 0% |
| 0.049175535 | 0.048747059 | 1% |
| 0.028893889 | 0.028893889 | 0% |
| 0.041639953 | 0.041639953 | 0% |
| 0.025619658 | 0.023585294 | 8% |
| 0.115842118 | 0.112770811 | 3% |
| 0.05338539 | 0.05338539 | 0% |
| 122.4277428 | 127.0786171 | -4% |
| 0.068987045 | 0.033501451 | 69% |
| 0.093452884 | 0.100651865 | -7% |
| 0.049389857 | 0.048122897 | 3% |
| 0.035294252 | 0.035294252 | 0% |
| 0.046188521 | 0.046188521 | 0% |
| 0.057379349 | 0.057379349 | 0% |
| 0.065491987 | 0.065491987 | 0% |
| 0.165219341 | 0.163908074 | 1% |

| | | |
|---|---|---|
| 0.073642116 | 0.073130811 | 1% |
| 0.018502084 | 0.018502084 | 0% |
| 2.255744748 | 2.215415445 | 2% |
| 0.020566877 | 0.020566877 | 0% |
| 0.016159904 | 0.016159904 | 0% |
| 0.005770729 | 0.005770729 | 0% |
| 0.021098394 | 0.030418557 | -36% |
| 0.61456546 | 0.591825698 | 4% |
| 0.034628899 | 0.035258347 | -2% |
| 0.11933918 | 0.11933918 | 0% |
| 0.020206274 | 0.020149531 | 0% |
| 0.045633726 | 0.039074221 | 15% |
| 0.014646467 | 0.014646467 | 0% |
| 0.05214575 | 0.04588834 | 13% |
| 0.013637091 | 0.014521993 | -6% |
| -0.005070606 | -0.005070606 | 0% |
| -0.002778093 | -0.002778093 | 0% |
| 0.027342424 | 0.027239893 | 0% |
| 0.062714627 | 0.063273983 | -1% |
| 0.033738797 | 0.034721446 | -3% |
| 0.021069374 | 0.020390466 | 3% |
| 0.035093533 | 0.035093533 | 0% |
| 0.110868788 | 0.110868788 | 0% |
| 0.014064988 | 0.014064988 | 0% |
| 0.048563716 | 0.047830122 | 2% |
| 0.051331266 | 0.047948273 | 7% |
| 0 | 0 | #DIV/0! |
| 0.02530094 | 0.026345916 | -4% |
| 0 | 0 | #DIV/0! |
| 0.012528592 | 0.012528592 | 0% |
| 0.031947427 | 0.031947427 | 0% |
| 0.036285586 | 0.036285586 | 0% |
| 0.041902601 | 0.045571529 | -8% |
| 0.028893889 | 0.028893889 | 0% |
| 0.041639953 | 0.041639953 | 0% |
| 0.020245732 | 0.014021974 | 36% |
| 0.040148938 | 0.040148938 | 0% |
| 0.05338539 | 0.05338539 | 0% |
| 0.1568165 | 0.067450708 | 80% |
| 0.031570722 | 0.031570722 | 0% |
| 0.032734524 | 0.032616602 | 0% |
| 0.048122897 | 0.048122897 | 0% |
| 0.070496754 | 0.035294252 | 67% |
| 0.046188521 | 0.046188521 | 0% |
| 0.057379349 | 0.057379349 | 0% |
| 0.065491987 | 0.065491987 | 0% |
| 0.068199293 | 0.068211097 | 0% |

| | |
|---|---|
| 1.526500864 | 1.260341527 |
| 1.482015154 | 1.22220626 |
| 1.676639989 | 1.278376714 |
| 1.281326893 | 1.132340637 |

| | |
|---|---|
| 1.12608806 | 1.135057457 |
| 1.17658092 | 1.108441382 |
| 1.178314815 | 1.134247332 |
| 1.152471897 | 1.099075689 |

| | | |
|---|---|---|
| 53% | 26% | 13% |
| 48% | 22% | 18% |
| 68% | 28% | 18% |
| 28% | 13% | 15% |

| | |
|---|---|
| 14% | 0.033717867 |
| 11% | 0.042096019 |
| 13% | 0.0638092 |
| 10% | 0.000702621 |

| | | |
|---|---|---|
| 0.038379624 | 0.024097039 | 0.037837517 |
| 0.041480922 | 0.029256204 | 0.043850536 |
| 0.111173943 | 0.039965296 | 0.064925569 |
| 0.015490359 | -0.001476947 | 0.013516616 |

| | | |
|---|---|---|
| 0.03780755 | 0.027782366 | 31% |
| 0.052576186 | 0.038177049 | 32% |
| 0.08555401 | 0.076866615 | 11% |
| 3.16095E-05 | -0.000566468 | -224% |

| | | |
|---|---|---|
| 0.032743114 | 0.029663801 | 10% |
| 0.061875468 | 0.057755979 | 7% |
| 0.107886611 | 0.105292348 | 2% |
| -0.000907412 | -0.002755037 | -101% |

| | | |
|---|---|---|
| 0.028302213 | 0.027550075 | 3% |
| 0.063535318 | 0.062783525 | 1% |
| 0.674691895 | 0.696412344 | -3% |
| -0.003371554 | -0.004812028 | -35% |

| | | |
|---|---|---|
| 0.030928297 | 0.029840407 | 4% |
| 0.052030497 | 0.048860267 | 6% |
| 0.131456324 | 0.114019311 | 14% |
| -0.001351482 | -0.002485103 | -59% |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\032119\
Data File : 032119_2.d
Acq On : 21 Mar 2019 18:36
Operator : BTP
Sample : cal 1-
Misc : PFAS CAL4
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:00:38 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Thu Mar 28 10:05:27 2019
Response via : Initial Calibration

Compound
---
Internal Standard
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2
---

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

Markes PFAS...,2019 quad.m Wed May 29 15:25:35 2019

cc

PFAS light main Cal 1

| R.T. | Qion | Response | ppbv calc conc | ppbv actual conc |
|---|---|---|---|---|
| 27.003 | 117 | 125643442 | 20 | 20 |
| 5.779 | 81 | 26433074 | 0.36 | 0.819 |
| 9.412 | 131 | 1384516 | 0.49 | 0.4097 |
| 17.595 | 101 | 7194997 | 0.64 | 0.83755 |
| 23.004 | 169 | 7924383 | 0.46 | 0.57839 |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\032119\
Data File : 032119_3.d
Acq On : 21 Mar 2019 19:44
Operator : BTP
Sample : cal 1-
Misc : PFAS CAL4
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Mar 28 10:04:19 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue Mar 26 12:54:44 2019
Response via : Initial Calibration

Compound
---
Internal Standard
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2
---

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

Markes PFAS...,2019 quad.m Wed May 29 15:26:05 2019

cc

PFAS light main Cal 2

| R.T. | Qion | Response | ppbv calc conc | ppbv actual conc |
|---|---|---|---|---|
| 27.001 | 117 | 124671488 | 20 | 20 |
| 5.785 | 81 | 61563868 | 2.21 | 2.048 |
| 9.414 | 131 | 3139793 | 0.99 | 1.0245 |
| 17.616 | 101 | 18127153 | 1.62 | 2.094 |
| 22.983 | 169 | 17771755 | 1.04 | 1.446 |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\032119\
Data File : 032119_4.d
Acq On : 21 Mar 2019 20:52
Operator : BTP
Sample : cal 1-
Misc : PFAS CAL4
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:27:20 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

Compound
---
Internal Standards
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2
---

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

Markes PFAS...,2019 quad.m Wed May 29 15:26:23 2019

cc

PFAS light main Cal 3

| R.T. | Qion | Response | ppbv calc conc | ppbv actual conc |
|---|---|---|---|---|
| 27.004 | 117 | 127108490 | 20 | 20 |
| 5.775 | 81 | 106896509 | 3.94 | 4.09 |
| 9.413 | 131 | 6961815 | 2.11 | 2.0485 |
| 17.599 | 101 | 43246717 | 4.12 | 4.1875 |
| 22.932 | 169 | 49275468 | 3.18 | 2.892 |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\032119\
Data File : 032119_5.d
Acq On : 21 Mar 2019 22:02
Operator : BTP
Sample :
Misc : PFAS CAL4
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:29:21 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

Compound
---
Internal Standards
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2
---

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

Markes PFAS...,2019 quad.m Wed May 29 15:26:35 2019

cc

| R.T. | Qion | Response | ppbv calc conc | ppbv actual conc | |
|---|---|---|---|---|---|
| 27.005 | 117 | 133662001 | 20.00 | 20.00 | |
| | | | | | External RF |
| 5.783 | 81 | 236234095 | 9.92 | 8.19 | 3.46858E-08 |
| 9.416 | 131 | 15146382 | 4.17 | 4.10 | 2.70494E-07 |
| 17.6 | 101 | 100968471 | 8.62 | 8.38 | 8.29467E-08 |
| 22.966 | 169 | 110466381 | 6.23 | 5.78 | 5.23589E-08 |

150 cc

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\032119\
Data File : 032119_6.d
Acq On : 21 Mar 2019 23:15
Operator : BTP
Sample :
Misc : PFAS CAL4
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:31:44 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.007 |
| | |
| Target Compounds | |
| TFE | 5.777 |
| HFP | 9.412 |
| E1 | 17.585 |
| E2 | 22.935 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:26:45 2019

| QIon | Response | ppbv calc conc | ppbv actual conc |
|---|---|---|---|
| 117 | 134390875 | 20 | 20 |
| 81 | 279102018 | 12.96 | 12.29096 |
| 131 | 24140332 | 6.32 | 6.1455 |
| 101 | 164032489 | 13.15 | 12.5625 |
| 169 | 183688008 | 9.49 | 8.676 |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_4.d
Acq On : 4 Apr 2019 21:42
Operator : BTP
Sample :
Misc : TFE HFP std
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:07:09 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.01 |
| | |
| Target Compounds | |
| TFE | 5.784 |
| HFP | 9.416 |
| E1 | 17.589 |
| E2 | 22.974 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:30:14 2019

| QIon | Response | ppbv calc conc | ppbv actual conc | % error |
|---|---|---|---|---|
| 117 | 121755384 | 20 | 20 | |
| | | | | |
| 81 | 204343285 | 9.2 | 8.19 | 12% |
| 131 | 13542958 | 4.1 | 4.097 | 0% |
| 101 | 95428597 | 8.91 | 8.375 | 6% |
| 169 | 115919771 | 7.03 | 5.7839 | 22% |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040319\
Data File : 040419_3.d
Acq On : 4 Apr 2019 20:31
Operator : BTP
Sample :
Misc : Bblk1
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:07:09 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standard | |
| d5 chlorobenzene | 27.01 |
| | |
| Target Compounds | |
| TFE | 5.784 |
| HFP | 9.416 |
| E1 | 17.589 |
| E2 | 22.974 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:30:14 2019

| QIon | Response | ppbv calc conc |
|---|---|---|
| 117 | 107831998 | 20 |
| 81 | 0 | ND |
| 131 | 0 | ND |
| 101 | 0 | ND |
| 169 | 0 | ND |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_5.d
Acq On : 4 Apr 2019 22:52
Operator : BTP
Sample :
Misc : St Gob Samp1
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:08:35 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| | |
| Target Compounds | |
| TFE | 5.812 |
| HFP | 9.422 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:30:55 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 112830517 | 20 |
| 81 | 1274016 | 0.05 |
| 131 | 97124 | 0.03 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_6.d
Acq On : 5 Apr 2019 00:03
Operator : BTP
Sample :
Misc : St Gob Samp1 dup
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:10:40 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.011 |
| | |
| Target Compounds | |
| TFE | 5.821 |
| HFP | 9.421 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:34:04 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 112228846 | 20 |
| 81 | 859690 | 0.03 |
| 131 | 62072 | 0.02 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_7.d
Acq On : 5 Apr 2019 1:13
Operator : BTP
Sample :
Misc : St Gob Samp2
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:11:23 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.011 |
| | |
| Target Compounds | |
| TFE | 5.804 |
| HFP | 9.412 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:36:00 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 117442632 | 20 |
| 81 | 605588 | 0.02 |
| 131 | 52160 | 0.02 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_8.d
Acq On : 5 Apr 2019 2:24
Operator : BTP
Sample :
Misc : St Gob Samp3
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:12:38 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| Target Compounds | |
| TFE | 5.787 |
| HFP | 9.421 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:40:30 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 120631461 | 20 |
| 81 | 420553 | 0.01 |
| 131 | 69617 | 0.02 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_9.d
Acq On : 5 Apr 2019 3:34
Operator : BTP
Sample :
Misc : St Gob Samp4
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:12:38 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

Compound
---
Internal Standards
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2
---

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

Markes PFAS...,2019 quad.m Wed May 29 15:40:30 2019

| R.T. | Qion | Response | ppbv calc Conc |
|---|---|---|---|
| 27.012 | 117 | 122770292 | 20 |
| 5.787 | 81 | 579971 | 0.02 |
| 9.421 | 131 | 65008 | 0.02 |
| 0 | | 0 | N.D. |
| 0 | | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_10d
Acq On : 5 Apr 2019 4:45
Operator : BTP
Sample :
Misc : St Gob Samp5
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:12:38 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| | |
| Target Compounds | |
| TFE | 5.787 |
| HFP | 9.421 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:40:30 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 111325314 | 20 |
| 81 | 301912 | 0.01 |
| 131 | 69518 | 0.03 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_11.d
Acq On : 5 Apr 2019 5:55
Operator : BTP
Sample :
Misc : St Gob Samp6
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:14:35 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| | |
| Target Compounds | |
| TFE | 5.779 |
| HFP | 9.429 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:27:30 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 114844048 | 20 |
| 81 | 520625 | 0.02 |
| 131 | 76782 | 0.03 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_12.d
Acq On : 5 Apr 2019 7:07
Operator : BTP
Sample :
Misc : St Gob Samp6
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:14:35 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| | |
| Target Compounds | |
| TFE | 5.787 |
| HFP | 9.429 |
| E1 | 17.517 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:27:30 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 111067575 | 20 |
| 81 | 570313 | 0.02 |
| 131 | 100445 | 0.04 |
| 101 | 99646 | 0.01 |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_13.d
Acq On : 5 Apr 2019 8:17
Operator : BTP
Sample :
Misc : St Gob Samp8
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:16:30 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| | |
| Target Compounds | |
| TFE | 5.779 |
| HFP | 9.412 |
| E1 | 17.558 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:28:05 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 116149850 | 20 |
| 81 | 907773 | 0.03 |
| 131 | 93526 | 0.03 |
| 101 | 71363 | 0.01 |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_14.d
Acq On : 5 Apr 2019 9:27
Operator : BTP
Sample :
Misc : St Gob Samp9
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:16:30 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.011 |
| | |
| Target Compounds | |
| TFE | 5.754 |
| HFP | 9.41 |
| E1 | 17.558 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:28:05 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 109969153 | 20 |
| 81 | 457038 | 0.02 |
| 131 | 116183 | 0.04 |
| 101 | | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_15.d
Acq On : 5 Apr 2019 10:38
Operator : BTP
Sample :
Misc : St Gob Sam10
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:17:43 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.012 |
| | |
| Target Compounds | |
| TFE | 5.782 |
| HFP | 9.409 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:28:22 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 96995803 | 20 |
| 81 | 1010074 | 0.04 |
| 131 | 127147 | 0.05 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040419\
Data File : 040419_16.d
Acq On : 5 Apr 2019 11:48
Operator : BTP
Sample :
Misc : St Gob Sam11
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 28 17:18:21 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.011 |
| | |
| Target Compounds | |
| TFE | 5.779 |
| HFP | 9.415 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:28:33 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 94779360 | 20 |
| 81 | 1023323 | 0.05 |
| 131 | 141530 | 0.06 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040819\
Data File : 040819_4.d
Acq On : 8 Apr 2019 20:39
Operator : BTP
Sample :
Misc : TFE HFP std
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:46:14 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:10 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.019 |
| | |
| Target Compounds | |
| TFE | 5.785 |
| HFP | 9.425 |
| E1 | 17.583 |
| E2 | 23.008 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:43:07 2019

ISTD dropping therefore external needed for 4/8 and 4/9 data

| QIon | Response | ppbv calc Conc | calculated ppbv Actual Conc set as cal | | ppbv actual conc |
|---|---|---|---|---|---|
| 117 | 67018387 | 20 | | | 20 |
| | | | | External RF | |
| 81 | 207989050 | Below | 8.19 | 3.93771E-08 | 8.19 |
| 131 | 11098530 | 5.88 | 4.097 | 3.69148E-07 | 4.097 |
| 101 | 64839592 | 10.74 | 8.375 | 1.29165E-07 | 8.375 |
| 169 | 68234389 | 7.44 | 5.7839 | 8.47652E-08 | 5.7839 |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040919\
Data File : 040919_3.d
Acq On : 9 Apr 2019 13:19
Operator : BTP
Sample :
Misc : Batch blk 2
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:52:50 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.021 |
| | |
| Target Compounds | |
| TFE | 5.829 |
| HFP | 9.471 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:50:59 2019

| QIon | Response | ppbv calc Conc | RECALC calc conc |
|---|---|---|---|
| 117 | 58487194 | 20 | |
| | | | |
| 81 | 224913 | 0.02 | 0.008856416 |
| 131 | 29043 | 0.02 | 0.010721165 |
| | 0 | N.D. | |
| | 0 | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040819\
Data File : 040819_5.d
Acq On : 8 Apr 2019 22:58
Operator : BTP
Sample :
Misc : Trip Blank
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:47:12 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.016 |
| | |
| Target Compounds | |
| TFE | 5.804 |
| HFP | 9.421 |
| E1 | 17.659 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:44:23 2019

| QIon | Response | ppbv calc Conc | ppbv Recalc conc |
|---|---|---|---|
| 117 | 65351930 | 20 | |
| | | | |
| 81 | 905074 | 0.06 | 0.035639165 |
| 131 | 66676 | 0.04 | 0.024613311 |
| 101 | 81367 | 0.02 | 0.010509761 |
| | 0 | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040819\
Data File : 040819_6.d
Acq On : 9 Apr 2019 00:08
Operator : BTP
Sample :
Misc : Trip Blank dup
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:49:06 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.02 |
| | |
| Target Compounds | |
| TFE | 5.816 |
| HFP | 9.496 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:45:24 2019

| QIon | Response | ppbv calc Conc | ppbv Recalc conc |
|---|---|---|---|
| 117 | 65501946 | 20 | |
| | | | |
| 81 | 562484 | 0.04 | 0.022148974 |
| 131 | 42259 | 0.03 | 0.015599825 |
| | 0 | N.D. | |
| | 0 | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040819\
Data File : 040819_7.d
Acq On : 9 Apr 2019 14:28
Operator : BTP
Sample :
Misc : Field Blank
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:49:49 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.02 |
| | |
| Target Compounds | |
| TFE | 5.804 |
| HFP | 9.462 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:46:30 2019

| QIon | Response | ppbv calc Conc | ppbv Recalc Conc |
|---|---|---|---|
| 117 | 59248865 | 20 | |
| | | | |
| 81 | 209616 | 0.01 | 0.008254065 |
| 131 | 38291 | 0.03 | 0.014135046 |
| | 0 | N.D. | |
| | 0 | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040819\
Data File : 040819_8.d
Acq On : 9 Apr 2019 15:38
Operator : BTP
Sample :
Misc : Ambient
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:50:25 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.021 |
| | |
| Target Compounds | |
| TFE | 5.812 |
| HFP | 9.479 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:48:01 2019

| QIon | Response | ppbv calc Conc | ppbv Recalc Conc |
|---|---|---|---|
| 117 | 58565535 | 20 | |
| | | | |
| 81 | 232819 | 0.02 | 0.009167731 |
| 131 | 28894 | 0.02 | 0.010666162 |
| | 0 | N.D. | |
| | 0 | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\040819\
Data File : 040819_9.d
Acq On : 9 Apr 2019 16:49
Operator : BTP
Sample :
Misc : System Blank
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:51:08 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.02 |
| | |
| Target Compounds | |
| TFE | 5.787 |
| HFP | 9.421 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:48:57 2019

| QIon | Response | ppbv calc Conc | ppbv Recalc Conc |
|---|---|---|---|
| 117 | 61488129 | 20 | |
| | | | |
| 81 | 406005 | 0.03 | 0.015987289 |
| 131 | 37253 | 0.02 | 0.01375187 |
| | 0 | N.D. | |
| | 0 | N.D. | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_3.d
Acq On : 11 Apr 2019 12:20
Operator : BTP
Sample :
Misc : TFE HFP E1 STD
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:53:58 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.019 |
| | |
| Target Compounds | |
| TFE | 5.789 |
| HFP | 9.42 |
| E1 | 17.589 |
| E2 | 23.006 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:51:50 2019

| QIon | Response | ppbv calc Conc | ppbv Actual Conc | %error |
|---|---|---|---|---|
| 117 | 117574424 | 20 | | |
| 81 | 231952548 | 11.81 | 8.19 | 44% |
| 131 | 15032252 | 4.65 | 4.097 | 13% |
| 101 | 120508370 | 11.3 | 8.375 | 35% |
| 169 | 128367589 | 7.89 | 5.7839 | 36% |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_4.d
Acq On : 11 Apr 2019 13:31
Operator : BTP
Sample :
Misc : Batch blk 2
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:56:21 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.02 |
| | |
| Target Compounds | |
| TFE | 5.804 |
| HFP | 9.437 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:53:03 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 111114170 | 20 |
| 81 | 5643895 | 0.22 |
| 131 | 109832 | 0.04 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_5.d
Acq On : 11 Apr 2019 14:41
Operator : BTP
Sample :
Misc : St.Gobain Samp12
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 14:57:10 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.02 |
| | |
| Target Compounds | |
| TFE | 5.796 |
| HFP | 9.417 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:53:59 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 113503284 | 20 |
| 81 | 5645629 | 0.21 |
| 131 | 191604 | 0.07 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_6.d
Acq On : 11 Apr 2019 15:51
Operator : BTP
Sample :
Misc : St.Gobain Samp12D
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 15:00:27 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.019 |
| | |
| Target Compounds | |
| TFE | 5.779 |
| HFP | 9.404 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:55:14 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 111463849 | 20 |
| 81 | 5543369 | 0.21 |
| 131 | 148900 | 0.05 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_7.d
Acq On : 11 Apr 2019 17:02
Operator : BTP
Sample :
Misc : St.Gobain Samp13
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 15:02:05 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.02 |
| | |
| Target Compounds | |
| TFE | 5.787 |
| HFP | 9.41 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:55:53 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 114135891 | 20 |
| 81 | 5268925 | 0.2 |
| 131 | 201789 | 0.07 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_8.d
Acq On : 11 Apr 2019 18:12
Operator : BTP
Sample :
Misc : St.Gobain Samp14
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 15:03:48 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.019 |
| | |
| Target Compounds | |
| TFE | 5.779 |
| HFP | 9.426 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:57:08 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 109119305 | 20 |
| 81 | 5177077 | 0.2 |
| 131 | 171718 | 0.06 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_9.d
Acq On : 11 Apr 2019 19:23
Operator : BTP
Sample :
Misc : St.Gobain Samp15
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 15:03:48 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.019 |
| | |
| Target Compounds | |
| TFE | 5.824 |
| HFP | 9.426 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:57:08 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 110679874 | 20 |
| 81 | 3170336 | 0.12 |
| 131 | 129432 | 0.05 |
| | 0 | N.D. |
| | 0 | N.D. |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\041119\
Data File : 041119_10.d
Acq On : 11 Apr 2019 20:33
Operator : BTP
Sample :
Misc : St.Gobain Samp16
ALS Vial : 0 Sample Multiplier: 1

Quant Time: May 29 15:05:39 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed May 29 14:46:55 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.019 |
| | |
| Target Compounds | |
| TFE | 5.779 |
| HFP | 9.415 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Wed May 29 15:58:42 2019

| QIon | Response | ppbv calc Conc |
|---|---|---|
| 117 | 107676747 | 20 |
| 81 | 4734391 | 0.19 |
| 131 | 153315 | 0.06 |
| | 0 | N.D. |
| | 0 | N.D. |

PFAS Can dilutions

DF=dilution factor
P=pressure
DC=daily cal
LB= lab blank
REP=replicate analysis

| File Name | Sample name |
|---|---|
| 032119_2.D | TFE HFP E1E2 cal1 |
| 032119_3.D | TFE HFP E1E2 cal2 |
| 032119_4.D | TFE HFP E1E2 cal3 |
| 032119_5.D | TFE HFP E1E2 cal4 |
| 032119_6.D | TFE HFP E1E2 cal5 |
| 040419_4.D | TFE HFP E1E2 cal4 |
| 040419_3.D | batch blank 1 |
| 040419_5.D | Sample 1 |
| 040419_6.D | Sample 1dup |
| 040419_7.D | Sample 2 |
| 040419_8.D | Sample 3 |
| 040419_9.D | Sample 4 |
| 040419_10.D | Sample 5 |
| 040419_11.D | Sample 6 |
| 040419_12.D | Sample 7 |
| 040419_13.D | Sample 8 |
| 040419_14.D | Sample 9 |
| 040419_15.D | Sample 10 |
| 040419_16.D | Sample 11 |
| 040819_4.D | TFE HFP E1E2 cal4 |
| 040819_3.D | Batch Blank 2 |
| 040819_5.D | Trip Blank |
| 040819_6.D | Trip Blank dup |
| 040819_7.D | Field Blank |
| 040819_8.D | Ambient |
| 040819_9.D | System blank |
| 041119_3.D | TFE HFP E1E2 cal4 |
| 041119_4.D | Batch Blank 2 |
| 041119_5.D | Sample 12 |
| 041119_6.D | Sample 12 dup |
| 041119_7.D | Sample 13 |
| 041119_8.D | Sample 14 |
| 041119_9.D | Sample 15 |
| 041119_10.D | Sample 16 |

| Can ID | Pi psia | Pf psia | DF | QC samples |
|---|---|---|---|---|
| | | | 1 | |
| | | | 1 | |
| | | | 1 | |
| | | | 1 | |
| | | | 1 | |
| | | | | |
| "068" | | | 1 | LB |
| NP1 | 11.4 | 29.2 | 2.561403509 | |
| NP1 | 11.4 | 29.2 | 2.561403509 | REP |
| 721 | 11 | 29.7 | 2.7 | |
| 2504 | 11.3 | 29.9 | 2.646017699 | |
| A378 | 11.4 | 29.7 | 2.605263158 | |
| 262 | 11.4 | 29.9 | 2.622807018 | |
| 404 | 11.4 | 29.8 | 2.614035088 | |
| 751 | 11.3 | 29.8 | 2.637168142 | |
| MTC48 | 11.3 | 29.4 | 2.601769912 | |
| 700 | 11.2 | 29.9 | 2.669642857 | |
| 2521 | 11.3 | 29.2 | 2.584070796 | |
| 651 | 11.4 | 29.2 | 2.561403509 | |
| | | | | DC |
| "N1" | | | 1 | LB |
| RK8 Trip Blank | 0.1 | 29.8 | 1 | |
| RK8 Trip Blank | 0.1 | 29.8 | 1 | |
| "021" FB | 0.5 | 29.7 | 1 | |
| 744 | 8.8 | 29 | 3.295454545 | |
| BTP1 | 8.9 | 29.9 | 3.359550562 | |
| | | | | DC |
| "N1" | | | 1 | LB |
| 793 | 11.1 | 29.9 | 2.693693694 | |
| 793 | 11.1 | 29.9 | 2.693693694 | REP |
| RK9 | 11.4 | 29.9 | 2.622807018 | |
| 253 | 11.5 | 29.5 | 2.565217391 | |
| 723 | 11 | 29.7 | 2.7 | |
| 321 | 10.4 | 29.8 | 2.865384615 | |

| | | 10 cc of std mix | 25 cc of std mix |
|---|---|---|---|
| File Name | | 032119_2.D | 032119_3.D |
| Sample name | | TFE HFP E1E2 cal1 | TFE HFP E1E2 cal2 |
| Can ID | | | |
| Pi | psia | | |
| Pf | psia | | |
| DF | | 1 | 1 |

| Compound | Response | Response |
|---|---|---|
| Internal Standard | | |
| d5 chlorobenzene | 125643442 | 124671488 |
| | | |
| Target Compounds | | |
| TFE | 26433074 | 61563868 |
| HFP | 1384516 | 3139793 |
| E1 | 7194997 | 18127153 |
| E2 | 7924383 | 17771755 |

| Compound |
|---|
| Internal Standard |
| d5 chlorobenzene |
| |
| Target Compounds |
| TFE |
| HFP |
| E1 |
| E2 |

| Compound |
|---|
| Internal Standard |
| d5 chlorobenzene |
| |
| Target Compounds |
| TFE |
| HFP |
| E1 |
| E2 |

| 50 cc of std mix | 100 cc of std mix | 150 cc of std mix |
|---|---|---|
| 032119_4.D | 032119_5.D | 032119_6.D |
| TFE HFP E1E2 cal3 | TFE HFP E1E2 cal4 | TFE HFP E1E2 cal5 |

| 1 | 1 | 1 |
|---|---|---|
| Response | Response | Response |
| --- | --- | --- |
| 127108490 | 133662001 | 134390875 |
| 106896509 | 236234095 | 279102018 |
| 6961815 | 15146382 | 24140332 |
| 43246717 | 100968471 | 164032489 |
| 49275468 | 110466381 | 183688008 |

Compound
---
Internal Standard
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2

Compound
---
Internal Standard
d5 chlorobenzene

Target Compounds
TFE
HFP
E1
E2

data file

| | | | |
|---|---|---|---|
| 040419_4.D | 040419_3.D | 040419_5.D | |
| TFE HFP E1E2 cal4 | batch blank 1 | Sample 1 | |
| | "068" | NP1 | |
| | | | 11.4 |
| | | | 29.2 |
| 1 | 1 | | 2.561403509 |
| Response | Response | Response | |
| --- | --- | --- | |
| 121755384 | 107831998 | | 112830517 |
| 204343285 | | | 1274016 |
| 13542958 | | | 97124 |
| 95428597 | | | 0 |
| 115919771 | | | 0 |
| ppbv | ppbv | ppbv | |
| calc conc | calc conc | calc Conc | |
| --- | --- | --- | |
| 20 | 20 | 20 | |
| 9.2 | ND | | 0.05 |
| 4.1 | ND | | 0.03 |
| 8.91 | ND | ND | |
| 7.03 | ND | ND | |
| ppbv | ppbv | ppbv | |
| calc conc | calc conc | calc Conc | |
| --- | --- | --- | |
| 20 | 20 | 20 | |
| ppbv | ppbv | ppbv | |
| TFE HFP E1E2 cal4 | batch blank 1 | Sample 1 | |
| 9.20 | ND | | 0.13 |
| 4.10 | ND | | 0.08 |
| 8.91 | ND | | ND |
| 7.03 | ND | | ND |
| | 112118_35 | 030419_3 | |

| | | |
|---|---|---|
| 040419_6.D | 040419_7.D | 040419_8.D |
| Sample 1dup | Sample 2 | Sample 3 |
| NP1 | 721 | 2504 |
| 11.4 | 11 | 11.3 |
| 29.2 | 29.7 | 29.9 |
| 2.561403509 | 2.7 | 2.646017699 |
| Response | Response | Response |
| --- | --- | --- |
| 112228846 | 117442632 | 120631461 |
| 859690 | 605588 | 420553 |
| 62072 | 52160 | 69617 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| ppbv | ppbv | ppbv |
| calc Conc | calc Conc | calc Conc |
| --- | --- | --- |
| 20 | 20 | 20 |
| 0.03 | 0.02 | 0.01 |
| 0.02 | 0.02 | 0.02 |
| ND | ND | ND |
| ND | ND | ND |
| ppbv | ppbv | ppbv |
| calc Conc | calc Conc | calc Conc |
| --- | --- | --- |
| 20 | 20 | 20 |
| ppbv | ppbv | ppbv |
| Sample 1dup | Sample 2 | Sample 3 |
| 0.08 | 0.05 | 0.03 |
| 0.05 | 0.05 | 0.05 |
| ND | ND | ND |
| ND | ND | ND |
| 030419_3 | 030419_4 | 030418_10 |

| | | | | | |
|---|---|---|---|---|---|
| 040419_9.D | | 040419_10.D | | 040419_11.D | |
| Sample 4 | | Sample 5 | | Sample 6 | |
| A378 | | 262 | | 404 | |
| | 11.4 | | 11.4 | | 11.4 |
| | 29.7 | | 29.9 | | 29.8 |
| | 2.605263158 | | 2.622807018 | | 2.614035088 |
| Response | | Response | | Response | |
| ---------- | | ---------- | | ---------- | |
| | 122770292 | | 111325314 | | 114844048 |
| | 579971 | | 301912 | | 520625 |
| | 65008 | | 69518 | | 76782 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| ppbv | | ppbv | | ppbv | |
| calc Conc | | calc Conc | | calc Conc | |
| ------- | | ------- | | ------- | |
| | 20 | | 20 | | 20 |
| | 0.02 | | 0.01 | | 0.02 |
| | 0.02 | | 0.03 | | 0.03 |
| ND | | ND | | ND | |
| ND | | ND | | ND | |
| ppbv | | ppbv | | ppbv | |
| calc Conc | | calc Conc | | calc Conc | |
| ------- | | ------- | | ------- | |
| | 20 | | 20 | | 20 |
| ppbv | | ppbv | | ppbv | |
| Sample 4 | | Sample 5 | | Sample 6 | |
| | 0.05 | | 0.03 | | 0.05 |
| | 0.05 | | 0.08 | | 0.08 |
| | ND | | ND | | ND |
| | ND | | ND | | ND |
| 112018_30 | | 112018_23 | | 112018_24 | |

| | | | | | |
|---|---|---|---|---|---|
| 040419_12.D | | 040419_13.D | | 040419_14.D | |
| Sample 7 | | Sample 8 | | Sample 9 | |
| 751 | | MTC48 | | 700 | |
| | 11.3 | | 11.3 | | 11.2 |
| | 29.8 | | 29.4 | | 29.9 |
| | 2.637168142 | | 2.601769912 | | 2.669642857 |
| Response | | Response | | Response | |
| --- | | --- | | --- | |
| | 111067575 | | 116149850 | | 109969153 |
| | 570313 | | 907773 | | 457038 |
| | 100445 | | 93526 | | 116183 |
| | 99646 | | 71363 | | |
| | 0 | | 0 | | 0 |
| ppbv | | ppbv | | ppbv | |
| calc Conc | | calc Conc | | calc Conc | |
| --- | | --- | | --- | |
| | 20 | | 20 | | 20 |
| | 0.02 | | 0.03 | | 0.02 |
| | 0.04 | | 0.03 | | 0.04 |
| | 0.01 | | 0.01 | ND | |
| ND | | ND | | ND | |
| ppbv | | ppbv | | ppbv | |
| calc Conc | | calc Conc | | calc Conc | |
| --- | | --- | | --- | |
| | 20 | | 20 | | 20 |
| ppbv | | ppbv | | ppbv | |
| Sample 7 | | Sample 8 | | Sample 9 | |
| | 0.05 | | 0.08 | | 0.05 |
| | 0.11 | | 0.08 | | 0.11 |
| | 0.03 | | 0.03 | | ND |
| | ND | | ND | | ND |
| 112018_27 | | 112018_22 | | 112118_29 | |

| | | |
|---|---|---|
| 040419_15.D | 040419_16.D | 040819_4.D |
| Sample 10 | Sample 11 | TFE HFP E1E2 cal4 |
| 2521 | 651 | |
| 11.3 | 11.4 | |
| 29.2 | 29.2 | |
| 2.584070796 | 2.561403509 | 1 |
| Response | Response | Response |
| --- | --- | --- |
| 96995803 | 94779360 | 67018387 |
| 1010074 | 1023323 | 207989050 |
| 127147 | 141530 | 11098530 |
| 0 | 0 | 64839592 |
| 0 | 0 | 68234389 |
| | | used single pt external |
| ppbv | ppbv | ppbv |
| calc Conc | calc Conc | calc Conc |
| --- | --- | --- |
| 20 | 20 | 20 |
| 0.04 | 0.05 | 7.21 |
| 0.05 | 0.06 | 3.00 |
| ND | ND | 5.38 |
| ND | ND | 3.57 |
| ppbv | ppbv | ppbv |
| calc Conc | calc Conc | calc Conc |
| --- | --- | --- |
| 20 | 20 | 20 |
| ppbv | ppbv | ppbv |
| Sample 10 | Sample 11 | TFE HFP E1E2 cal4 |
| 0.10 | 0.13 | 7.21 |
| 0.13 | 0.15 | 3.00 |
| ND | ND | 5.38 |
| ND | ND | 3.57 |
| 112118_31 | 030419_9 | |

| | | |
|---|---|---|
| 040819_3.D | 040819_5.D | 040819_6.D |
| Batch Blank 2 | Trip Blank | Trip Blank dup |
| "N1" | RK8 Trip Blank | RK8 Trip Blank |
| | 0.1 | 0.1 |
| | 29.8 | 29.8 |
| 1 | 1 | 1 |
| Response | Response | Response |
| --- | --- | --- |
| 58487194 | 65351930 | 65501946 |
| 224913 | 905074 | 562484 |
| 29043 | 66676 | 42259 |
| 0 | 81367 | 0 |
| 0 | 0 | 0 |
| RECALC | RECALC | RECALC |
| ppbv | ppbv | ppbv |
| calc conc | Recalc conc | Recalc conc |
| 20 | 20 | 20 |
| 0.01 | 0.04 | 0.022148974 |
| 0.01 | 0.02 | 0.015599825 |
| ND | 0.01 | ND |
| ND | ND | ND |
| ppbv | ppbv | ppbv |
| calc conc | Recalc conc | Recalc conc |
| 20 | 20 | 20 |
| ppbv | ppbv | ppbv |
| Batch Blank 2 | Trip Blank | Trip Blank dup |
| 0.01 | 0.04 | 0.02 |
| 0.01 | 0.02 | 0.02 |
| ND | 0.01 | ND |
| ND | ND | ND |
| 030419_13 | 112018_17 | 112018_17 |

| | | |
|---|---|---|
| 040819_7.D | 040819_8.D | 040819_9.D |
| Field Blank | Ambient | System blank |
| "021" FB | 744 | BTP1 |
| 0.5 | 8.8 | 8.9 |
| 29.7 | 29 | 29.9 |
| 1 | 3.295454545 | 3.359550562 |
| Response | Response | Response |
| ---------- | ---------- | ---------- |
| 59248865 | 58565535 | 61488129 |
| 209616 | 232819 | 406005 |
| 38291 | 28894 | 37253 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| ppbv | ppbv | ppbv |
| Recalc Conc | Recalc Conc | Recalc Conc |
| 20 | 20 | 20 |
| 0.0082541 | 0.0091677 | 0.0159873 |
| 0.0141350 | 0.0106662 | 0.0137519 |
| ND | ND | ND |
| ND | ND | ND |
| ppbv | ppbv | ppbv |
| Recalc Conc | Recalc Conc | Recalc Conc |
| 20 | 20 | 20 |
| ppbv | ppbv | ppbv |
| Field Blank | Ambient | System blank |
| 0.01 | 0.03 | 0.05 |
| 0.01 | 0.04 | 0.05 |
| ND | ND | ND |
| ND | ND | ND |
| 112018_19 | 030419_7 | 112018_21 |

| 041119_3.D | 041119_4.D | 041119_5.D |
|---|---|---|
| TFE HFP E1E2 cal4 | Batch Blank 2 | Sample 12 |
| | "N1" | 793 |
| | | 11.1 |
| | | 29.9 |
| 1 | 1 | 2.693693694 |

| Response | Response | Response |
|---|---|---|
| 117574424 | 111114170 | 113503284 |
| 231952548 | 5643895 | 5645629 |
| 15032252 | 109832 | 191604 |
| 120508370 | 0 | 0 |
| 128367589 | 0 | 0 |

| ppbv calc Conc | ppbv calc Conc | ppbv calc Conc |
|---|---|---|
| 20 | 20 | 20 |
| 11.81 | 0.22 | 0.21 |
| 4.65 | 0.04 | 0.07 |
| 11.3 | ND | ND |
| 7.89 | ND | ND |

| ppbv calc Conc | ppbv calc Conc | ppbv calc Conc |
|---|---|---|
| 20 | 20 | 20 |

| ppbv TFE HFP E1E2 cal4 | ppbv Batch Blank 2 | ppbv Sample 12 |
|---|---|---|
| 11.81 | 0.22 | 0.57 |
| 4.65 | 0.04 | 0.19 |
| 11.30 | ND | ND |
| 7.89 | ND | ND |

| | | |
|---|---|---|
| | 030419_13 | 112018_29 |

| | | |
|---|---|---|
| 041119_6.D | 041119_7.D | 041119_8.D |
| Sample 12 dup | Sample 13 | Sample 14 |
| 793 | RK9 | 253 |
| 11.1 | 11.4 | 11.5 |
| 29.9 | 29.9 | 29.5 |
| 2.693693694 | 2.622807018 | 2.565217391 |
| Response | Response | Response |
| --- | --- | --- |
| 111463849 | 114135891 | 109119305 |
| 5543369 | 5268925 | 5177077 |
| 148900 | 201789 | 171718 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| ppbv | ppbv | ppbv |
| calc Conc | calc Conc | calc Conc |
| --- | --- | --- |
| 20 | 20 | 20 |
| 0.21 | 0.2 | 0.2 |
| 0.05 | 0.07 | 0.06 |
| ND | ND | ND |
| ND | ND | ND |
| ppbv | ppbv | ppbv |
| calc Conc | calc Conc | calc Conc |
| --- | --- | --- |
| 20 | 20 | 20 |
| ppbv | ppbv | ppbv |
| Sample 12 dup | Sample 13 | Sample 14 |
| 0.57 | 0.52 | 0.51 |
| 0.13 | 0.18 | 0.15 |
| ND | ND | ND |
| ND | ND | ND |
| 112018_29 | 030419_2 | 112118_34 |

| | | | | |
|---|---|---|---|---|
| 041119_9.D | | 041119_10.D | | |
| Sample 15 | | Sample 16 | | |
| 723 | | 321 | | |
| | 11 | | 10.4 | |
| | 29.7 | | 29.8 | |
| | | 2.7 | | 2.865384615 |

| | | | |
|---|---|---|---|
| Response | Response | | Response |
| ---------- | ---------- | | ---------- |
| | 110679874 | 107676747 | |
| | | | 113503284 |
| | 3170336 | 4734391 | |
| | 129432 | 153315 | 5645629 |
| | 0 | 0 | 191604 |
| | 0 | 0 | 0 |
| | | | 0 |

| | | |
|---|---|---|
| ppbv | ppbv | |
| calc Conc | calc Conc | |
| ------- | ------- | |
| | 20 | 20 |
| | 0.12 | 0.19 |
| | 0.05 | 0.06 |
| ND | ND | |
| ND | ND | |

| | | |
|---|---|---|
| ppbv | ppbv | |
| calc Conc | calc Conc | |
| ------- | ------- | |
| | 20 | 20 |

| | | |
|---|---|---|
| ppbv | ppbv | |
| Sample 15 | Sample 16 | |
| | 0.32 | 0.54 |
| | 0.14 | 0.17 |
| | ND | ND |
| | ND | ND |

| | |
|---|---|
| 030419_5 | 030419_8 |

| | | | |
|---|---|---|---|
| File Name | | 032119_2.D | 032119_3.D |
| Sample name | | TFE HFP E1E2 cal1 | TFE HFP E1E2 cal2 |
| Can ID | | | |
| Pi | psia | | |
| Pf | psia | | |
| DF | | 1 | 1 |

| | | |
|---|---|---|
| 032119_4.D | 032119_5.D | 032119_6.D |
| TFE HFP E1E2 cal3 | TFE HFP E1E2 cal4 | TFE HFP E1E2 cal5 |
| 1 | 1 | 1 |

| | | | | |
|---|---|---|---|---|
| 040419_4.D | 040419_3.D | 040419_5.D | | |
| TFE HFP E1E2 cal4 | batch blank 1 | Sample 1 | | |
| | "068" | NP1 | | |
| | | | 11.4 | |
| | | | 29.2 | |
| | | 1 | | 2.561403509 |

| | | | | | |
|---|---|---|---|---|---|
| 040419_6.D | | 040419_7.D | | 040419_8.D | |
| Sample 1dup | | Sample 2 | | Sample 3 | |
| NP1 | | 721 | | 2504 | |
| | 11.4 | | 11 | | 11.3 |
| | 29.2 | | 29.7 | | 29.9 |
| | 2.561403509 | | 2.7 | | 2.646017699 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 040419_9.D | | | 040419_10.D | | | 040419_11.D | | |
| Sample 4 | | | Sample 5 | | | Sample 6 | | |
| A378 | | | 262 | | | 404 | | |
| | 11.4 | | | 11.4 | | | 11.4 | |
| | 29.7 | | | 29.9 | | | 29.8 | |
| | | 2.605263158 | | | 2.622807018 | | | 2.614035088 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 040419_12.D | | | 040419_13.D | | | 040419_14.D | | |
| Sample 7 | | | Sample 8 | | | Sample 9 | | |
| 751 | | | MTC48 | | | 700 | | |
| | 11.3 | | | 11.3 | | | 11.2 | |
| | 29.8 | | | 29.4 | | | 29.9 | |
| | | 2.637168142 | | | 2.601769912 | | | 2.669642857 |

| | | | | | |
|---|---|---|---|---|---|
| 040419_15.D | | | 040419_16.D | | 040819_4.D |
| Sample 10 | | | Sample 11 | | TFE HFP E1E2 cal4 |
| 2521 | | | 651 | | |
| | 11.3 | | | 11.4 | |
| | 29.2 | | | 29.2 | |
| | | 2.584070796 | | | 2.561403509 |

| | | | | | |
|---|---|---|---|---|---|
| 040819_3.D | | 040819_5.D | | 040819_6.D | |
| Batch Blank 2 | | Trip Blank | | Trip Blank dup | |
| "N1" | | RK8 Trip Blank | | RK8 Trip Blank | |
| | | 0.1 | | 0.1 | |
| | | 29.8 | | 29.8 | |
| | 1 | | 1 | | 1 |

| | | | | | |
|---|---|---|---|---|---|
| 040819_7.D | | 040819_8.D | | 040819_9.D | |
| Field Blank | | Ambient | | System blank | |
| "021" FB | | 744 | | BTP1 | |
| | 0.5 | | 8.8 | | 8.9 |
| | 29.7 | | 29 | | 29.9 |
| | 1 | | 3.295454545 | | 3.359550562 |

| | | | |
|---|---|---|---|
| 041119_3.D | 041119_4.D | 041119_5.D | |
| TFE HFP E1E2 cal4 | Batch Blank 2 | Sample 12 | |
| | "N1" | 793 | |
| | | | 11.1 |
| | | | 29.9 |
| | | 1 | 2.693693694 |

| | | | | | |
|---|---|---|---|---|---|
| 041119_6.D | | 041119_7.D | | 041119_8.D | |
| Sample 12 dup | | Sample 13 | | Sample 14 | |
| 793 | | RK9 | | 253 | |
| | 11.1 | | 11.4 | | 11.5 |
| | 29.9 | | 29.9 | | 29.5 |
| | 2.693693694 | | 2.622807018 | | 2.565217391 |

| | | | | |
|---|---|---|---|---|
| 041119_9.D | | 041119_10.D | | |
| Sample 15 | | Sample 16 | | |
| 723 | | 321 | | |
| | 11 | | 10.4 | |
| | 29.7 | | 29.8 | |
| | | 2.7 | | 2.865384615 |

Pre-blank refererence
Target Compounds
TFE
HFP
E1
E2

| | | | |
|---|---|---|---|
| | ppbv | ppbv | |
| | can 68 | can NP1 | |
| | N.D. | | N.D. |
| | N.D. | | N.D. |
| | N.D. | | N.D. |
| | N.D. | | N.D. |

| ppbv | ppbv | ppbv |
|---|---|---|
| can NP1 | can 721 | can 2504 |
| N.D. | N.D. | N.D. d |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |

| ppbv | ppbv | ppbv |
|---|---|---|
| can A378 | can 262 | can 404 |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |

| | | | | | |
|---|---|---|---|---|---|
| ppbv | | ppbv | | ppbv | |
| can 751 | | can MTC48 | | can 700 | |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |

| | | |
|---|---|---|
| ppbv | ppbv | ppbv |
| can 2521 | can 651 | |
| N.D. | N.D. | NA |
| N.D. | N.D. | NA |
| N.D. | N.D. | NA |
| N.D. | N.D. | NA |

| | | |
|---|---|---|
| ppbv | ppbv | ppbv |
| can N1 | can RK8 | can RK8 |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |

| ppbv | ppbv | ppbv |
|---|---|---|
| can 021 | can 744 | can BTP1 |
| N.D. | 0.01 | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. |

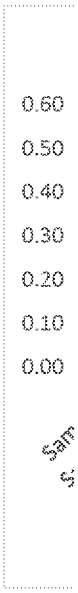
| | | |
|---|---|---|
| ppbv | ppbv | ppbv |
| | can N1 | can 793 |
| NA | N.D. | N.D. |
| NA | N.D. | N.D. |
| NA | N.D. | N.D. |
| NA | N.D. | N.D. |

| | | | | | |
|---|---|---|---|---|---|
| ppbv | | ppbv | | ppbv | |
| can 793 | | can RK9 | | can 253 | |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |

| | | | |
|---|---|---|---|
| ppbv | | ppbv | |
| can 723 | | can 321 | |
| | N.D. | | N.D. |
| | N.D. | | N.D. |
| | N.D. | | N.D. |
| | N.D. | | N.D. |

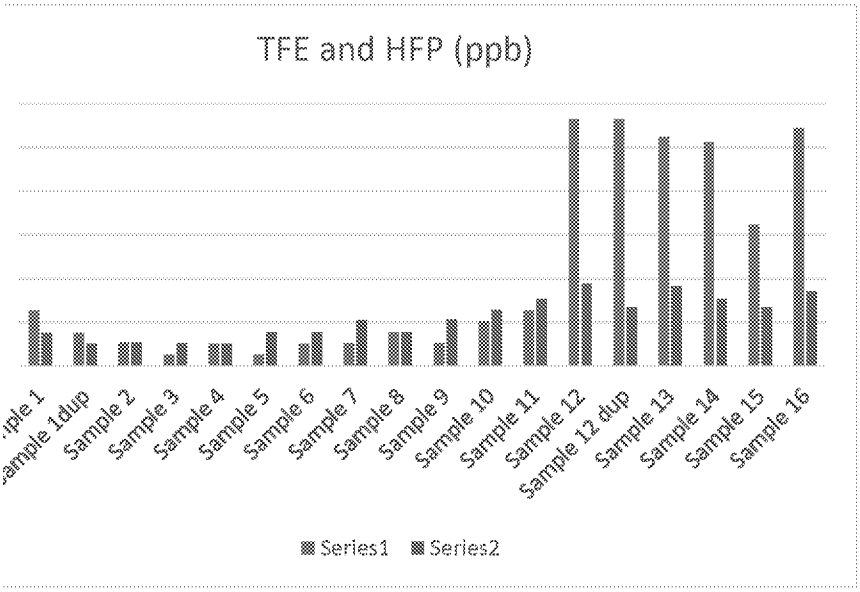
| | ppbv | ppbv | ppbv | ppbv | ppbv | ppbv |
|---|---|---|---|---|---|---|
| Target Compounds | TFE HFP E1E2 cal4 | batch blank 1 | Batch Blank 2 | Trip Blank | Trip Blank dup | Field Blank |
| TFE | 9.20 | ND | 0.01 | 0.04 | 0.02 | 0.01 |
| HFP | 4.10 | ND | 0.01 | 0.02 | 0.02 | 0.01 |
| E1 | 8.91 | ND | ND | 0.01 | ND | ND |
| E2 | 7.03 | ND | ND | ND | ND | ND |

| | ppbv | ppbv | ppbv | ppbv | ppbv | ppbv |
|---|---|---|---|---|---|---|
| Target Compounds | Sample 1 | Sample 1dup | Sample 2 | Sample 3 | Sample 4 | Sample 5 |
| TFE | 0.13 | 0.08 | 0.05 | 0.03 | 0.05 | 0.03 |
| HFP | 0.08 | 0.05 | 0.05 | 0.05 | 0.05 | 0.08 |
| E1 | ND | ND | ND | ND | ND | ND |
| E2 | ND | ND | ND | ND | ND | ND |



| ppbv | ppbv | ppbv |
|---|---|---|
| Ambient | System blank | Batch Blank 2 |
| 0.03 | 0.05 | 0.22 |
| 0.04 | 0.05 | 0.04 |
| ND | ND | ND |
| ND | ND | ND |

| ppbv | ppbv | ppbv | ppbv | ppbv | ppbv | ppbv | ppbv |
|---|---|---|---|---|---|---|---|
| Sample 6 | Sample 7 | Sample 8 | Sample 9 | Sample 10 | Sample 11 | Sample 12 | Sample 12 dup |
| 0.05 | 0.05 | 0.08 | 0.05 | 0.10 | 0.13 | 0.57 | 0.57 |
| 0.08 | 0.11 | 0.08 | 0.11 | 0.13 | 0.15 | 0.19 | 0.13 |
| ND | 0.03 | 0.03 | ND | ND | ND | ND | ND |
| ND | ND | ND | ND | ND | ND | ND | ND |



| ppbv |
|---|
| TFE HFP E1E2 cal4 |
| 7.21 |
| 3.00 |
| 5.38 |
| 3.57 |

| ppbv | ppbv | ppbv | ppbv |
|---|---|---|---|
| Sample 13 | Sample 14 | Sample 15 | Sample 16 |
| 0.52 | 0.51 | 0.32 | 0.54 |
| 0.18 | 0.15 | 0.14 | 0.17 |
| ND | ND | ND | ND |
| ND | ND | ND | ND |

| ppbv |
| --- |
| TFE HFP E1E2 cal4 |
| 11.81 |
| 4.65 |
| 11.30 |
| 7.89 |

reference sample 9

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112118\
Data File : 112118_29.d
Acq On : 21 Nov 2018 22:41
Operator : BTP
Sample : CAN ID 700
Misc : 10091805
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 10 13:45:17 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Thu Mar 28 10:05:27 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.946 | 117 |
| | | |
| Target Compounds | Qvalue | |
| TFE | 0 | 0 |
| HFP | 0 | 0 |
| E1 | 0 | 0 |
| E2 | 0 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 11 16:49:05 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 184113611 | 20 | ppbv | -0.06 |
| N.D. | d | | |
| N.D. | | | |
| N.D. | | | |
| N.D. | | | |

reference sample 10

Quantitation Report (Not Reviewed)

Data Path : C:\TOF data\2018\112118\
Data File : 112118_31.d
Acq On : 22 Nov 2018 1:02
Operator : BTP
Sample : CAN ID 2521
Misc : 10041807
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 16:50:01 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.945 | 117 |

| Target | Qvalue | |
|---|---|---|
| TFE | 0 | 0 |
| HFP | 0 | 0 |
| E1 | 0 | 0 |
| E2 | 0 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 11 16:50:01 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 163908440 | 20 | ppbv | -0.06 |

N.D.
N.D.
N.D.
N.D.

reference sample 5

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_23.d
Acq On : 21 Nov 2018 3:15
Operator : BTP
Sample : CAN ID 262
Misc : 10041805
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 16:53:52 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.943 | 117 |
| Target | Qvalue | |
| TFE | 0 | 0 |
| HFP | 0 | 0 |
| E1 | 0 | 0 |
| E2 | 0 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 11 16:54:16 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 157786363 | 20 | ppbv | -0.06 |
| N.D. | d | | |
| N.D. | | | |
| N.D. | | | |
| N.D. | | | |

reference sample 6

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_24.d
Acq On : 21 Nov 2018 4:26
Operator : BTP
Sample : CAN ID 404
Misc : 10091811
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 18 11:41:37 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.941 | 117 |

| Compounds | Qvalue | |
|---|---|---|
| TFE | 0 | 0 |
| HFP | 0 | 0 |
| E1 | 0 | 0 |
| E2 | 0 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 11:43:17 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 148373748 | 20 | ppbv | -0.07 |
| N.D. | d | | |
| N.D. | | | |
| N.D. | | | |
| N.D. | | | |

reference sample 7

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_27.d
Acq On : 21 Nov 2018 7:56
Operator : BTP
Sample : CAN ID 751
Misc : 10041810
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 16:56:59 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.942 | 117 |

| Compounds | Qvalue | |
|---|---|---|
| TFE | 0 | 0 |
| HFP | 0 | 0 |
| E1 | 0 | 0 |
| E2 | 0 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 11 17:10:23 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 161478152 | 20 | ppbv | -0.06 |
| N.D. | d | | |
| N.D. | | | |
| N.D. | | | |
| N.D. | | | |

reference sample 8

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_22.d
Acq On : 21 Nov 2018 2:05
Operator : BTP
Sample : CAN ID MTC48-ISTD MISSIING?
Misc : 10091801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 18 17:08:53 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.99 | 117 |

| Compounds | Qvalue | |
|---|---|---|
| TFE | 0 | 0 |
| HFP | 0 | 0 |
| E1 | 0 | 0 |
| E2 | 0 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:12:08 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 377670 | 20 | ppbv | #-0.02 |

N.D.
N.D.
N.D.
N.D.

reference sample 12

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_29.d
Acq On : 21 Nov 2018 10:17
Operator : BTP
Sample : CAN ID 793
Misc : 10091810
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 18 17:11:37 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.942 | 117 |
| | | |
| Compounds | | |
| TFE | | 0 |
| HFP | | 0 |
| E1 | | 0 |
| E2 | | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:13:47 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 158346459 | 20 | ppbv | -0.06 |
| | 0 | N.D. | d |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | |

reference sample 1

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_3.d
Acq On : 4 Mar 2019 18:50
Operator : BTP
Sample : NP1
Misc :
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 10 14:18:44 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Wed Jul 10 14:06:08 2019
Response via : Initial Calibration

| Compound | R.T. | Qion |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 27.002 | 117 |
| | | |
| Compounds | | |
| TFE | | 0 |
| HFP | | 0 |
| E1 | | 0 |
| E2 | | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:21:34 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 77709832 | 20 | ppbv | |
| | 0 | N.D. | d |
| | 0 | N.D. | |
| | 0 | N.D. | |
| | 0 | N.D. | |

reference sample 2

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_4.d
Acq On : 4 Mar 2019 19:59
Operator : BTP
Sample : Can ID #721
Misc :
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 17:05:15 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 27.002 | 117 |
| | | |
| Compounds | | |
| TFE | | 0 |
| HFP | | 0 |
| E1 | | 0 |
| E2 | | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:21:57 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 98880168 | 20 | ppbv | 0 |
| 0 | | N.D. | |
| 0 | | N.D. | |
| 0 | | N.D. | |
| 0 | | N.D. | |

reference sample 7

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_5.d
Acq On : 4 Mar 2019 21:08
Operator : BTP
Sample : Can ID #723
Misc :
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 17:05:53 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.004 |

| Compounds | Compounds |
|---|---|
| TFE | 0 |
| HFP | 0 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:22:20 2019

| QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|
| 117 | 38088276 | 20 | ppbv | 0 |

| Qvalue |
|---|
| 0 |
| 0 |
| 0 |
| 0 |

N.D.
N.D.
N.D.
N.D.

reference sample 11

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_9.d
Acq On : 5 Mar 2019 1:45
Operator : BTP
Sample : Can ID #651
Misc :
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 17:07:23 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.003 |

| Compounds | Compounds |
|---|---|
| TFE | 0 |
| HFP | 0 |
| E1 | 0 |
| E2 | 0 |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:23:26 2019

| QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|
| 117 | 20360209 | 20 | ppbv | # |

| Qvalue |
|---|
| 0 |
| 0 |
| 0 |
| 0 |

N.D.
N.D.
N.D.
N.D.

reference sample 3

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_10.d
Acq On : 5 Mar 2019 2:53
Operator : BTP
Sample : Can ID #2504
Misc :
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 17:06:23 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 27.003 | 117 |

Compounds
TFE
HFP
E1
E2

---

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:23:53 2019

| Response | Conc Units Dev(Min) |
|---|---|
| 23355429 | 20.00 ppbv # 0.00 |
| 0 | N.D. d |
| 0 | N.D. |
| 0 | N.D. |
| 0 | N.D. |

reference sample Batch blk 1

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112118\
Data File : 112118_35.d
Acq On : 22 Nov 2018 5:43
Operator : BTP
Sample : CAN ID 68
Misc : 10151801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 16:39:54 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.945 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Thu Jul 11 16:41:54 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 174811183 | 20 | ppbv | -0.06 |
| d | N.D. | | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

reference sample 4

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_30.d
Acq On : 21 Nov 2018 11:27
Operator : BTP
Sample : CAN ID A378
Misc : 10041809
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 16:58:20 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.943 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Thu Jul 11 16:58:46 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 167341982 | 20 | ppbv | -0.06 |
| d | N.D. | | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

reference sample 8

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_22.d
Acq On : 21 Nov 2018 2:05
Operator : BTP
Sample : CAN ID MTC48-ISTD MISSIING?
Misc : 10091801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 18 17:08:53 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.99 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:12:08 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 377670 | 20 | ppbv | -0.01 |

| | |
|---|---|
| d | N.D. |
| | N.D. |
| | N.D. |
| | N.D. |

reference sample 13

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_2.d
Acq On : 4 Mar 2019 17:41
Operator : unknown
Sample :
Misc : Blank RK9
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 17:00:57 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 27.002 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:20:27 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 107020577 | 20 | ppbv | 0 |
| d | N.D. | | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

reference sample 15

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_5.d
Acq On : 4 Mar 2019 21:08
Operator : unknown
Sample :
Misc : BLANK 723
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 17:05:53 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 27.004 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Thu Jul 18 17:22:20 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 38088276 | 20 | ppbv | 0 |

| | |
|---|---|
| d | N.D. |
| | N.D. |
| | N.D. |
| | N.D. |

reference sample 14

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112118\
Data File : 112118_34.d
Acq On : 22 Nov 2018 4:33
Operator : BTP
Sample : CAN ID 253
Misc : 10091807
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 23 10:46:46 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.944 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Tue Jul 23 10:47:39 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 185264175 | 20 | ppbv | -0.06 |
| d | N.D. | | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112118\
Data File : 112118_35.d
Acq On : 22 Nov 2018 5:43
Operator : BTP
Sample : CAN ID 68
Misc : 10151801
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 11 16:39:54 2019
Quant Method : C:\gcms\1\methods\Markes PFAS light composite March 26,2019 quad.m
Quant Title : Markes PFAS E1 and E2
QLast Update : Tue May 28 17:05:41 2019
Response via : Initial Calibration

| Compound | R.T. | QIon |
|---|---|---|
| Internal Standards | | |
| d5 chlorobenzene | 26.945 | 117 |
| | | |
| Compounds | | |
| TFE | 0 | |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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