# 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)

can 744

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)

can 744

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)

can BTP1

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)

can N1

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)

can RK8

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)

can 021

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)

can N1

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)

can NP1

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)

can NP1

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)

can 721

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)

can 2504

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)

can A378

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)

can 262

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)

can 404

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)

can 068

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)

can 751

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)

can 751

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)

can MTC48

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)

can 700

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)

can 2521

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)

can 651

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)

can 793

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)

Can 068

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)

Can RK9

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)

Can RK9

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)

Can 253

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)

Can 723

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)

Can 321

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 | | |

| | |
|---|---|
| 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 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 | . | | |
| 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|
| 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 |
| --- | --- | --- | - | --- | --- |

S16-can 321 Data File Name 030719004.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 10.01 | 20.00 | ppbv | 145242 | 49.1 |
| 1,4-Difluorobenzene | 12.10 | 20.00 | ppbv | 621227 | 88.1 |
| Chlorobenzene-d5 | 18.39 | 20.00 | ppbv | 298763 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| 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 |

S13 can RK9 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 10.00 | 20.00 |
| 1,4-Difluorobenzene | 12.09 | 20.00 |
| Chlorobenzene-d5 | 18.39 | 20.00 |

| Target Compounds | | |
|---|---|---|
| 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 |

030719007.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 134062 | 49.1 |
| ppbv | 603208 | 88.1 |
| ppbv | 320317 | 117.1 |
| | | |
| 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 |

S6 can 404 Data File Name 110618010.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.85 | 20.00 | ppbv | 301926 | 49.1 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 892984 | 88.1 |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv | 240491 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| 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 |

S2 can 721 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.86 | 20.00 |
| 1,4-Difluorobenzene | 12.00 | 20.00 |
| Chlorobenzene-d5 | 18.36 | 20.00 |
| | | |
| Target Compounds | | |
| 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 |

110618008.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 323482 | 49.1 |
| ppbv | 951794 | 88.1 |
| ppbv | 261395 | 117.1 |
| | | |
| 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 |

S15 can 723 Data File Name 111318001.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.86 | 20.00 | ppbv | 1180274 | 49.1 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 4323830 | 88.1 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 994660 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| 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 |

S4 can A378 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.85 | 20.00 |
| 1,4-Difluorobenzene | 11.98 | 20.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |
| | | |
| Target Compounds | | |
| 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 |

111318012.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 1448952 | 49.1 |
| ppbv | 4860468 | 88.1 |
| ppbv | 1281611 | 117.1 |
| | | |
| 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 |

S4 can Ambient Data File Name 110818012.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.84 | 20.00 | ppbv | 1872732 | 49.1 |
| 1,4-Difluorobenzene | 11.98 | 20.00 | ppbv | 7296445 | 88.1 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 1928263 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| 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 |

S3 can 2504 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.86 | 20.00 |
| 1,4-Difluorobenzene | 12.00 | 20.00 |
| Chlorobenzene-d5 | 18.36 | 20.00 |
| | | |
| Target Compounds | | |
| Propylene | 5.17 | 0.07 |
| Propane | 5.20 | 0.30 |
| Dichlorodifluoromethane | 5.30 | -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 | 0.48 |
| 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 | 0.04 |
| Vinyl Bromide | 6.88 | -1.00 |
| Acetonitrile | 6.85 | 0.01 |
| Acrolein | 6.97 | 0.10 |
| Acetone | 7.09 | 0.36 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 7.26 | -1.00 |
| Isopropyl Alcohol | 7.31 | 0.11 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 7.56 | -1.00 |
| Isoprene | 0.00 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 7.82 | 0.01 |
| Tert-Butanol | 7.83 | 0.05 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.91 | 0.10 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 |
| Carbon Disulfide | 8.21 | -0.14 |
| 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 |

111318008.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 1532702 | 49.1 |
| ppbv | 5363513 | 88.1 |
| ppbv | 1365735 | 117.1 |
| | | |
| ppbv | 76548 | 42.2 |
| ppbv | 58363 | 44.1 |
| ppbv | 2678 | 87 |
| ppbv | 5877 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 382931 | 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 | 41426 | 45.1 |
| ppbv | 3226 | 108 |
| ppbv | 16736 | 40.1 |
| ppbv | 15074 | 55.1 |
| ppbv | 607559 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 1731 | 103 |
| ppbv | 32917 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 2199 | 57.1 |
| ppbv | 0 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 1345 | 70.1 |
| ppbv | 27379 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 36422 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 0 | 85 |
| ppbv | 14611 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |

System blk can BTP1 Data File Name 111318010.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.84 | 20.00 | ppbv | 1480076 | 49.1 |
| 1,4-Difluorobenzene | 11.98 | 20.00 | ppbv | 5127555 | 88.1 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 1493331 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| Propylene | 5.17 | 0.07 | ppbv | 72439 | 42.2 |
| Propane | 5.20 | 0.32 | ppbv | 60165 | 44.1 |
| Dichlorodifluoromethane | 5.28 | -1.00 | ppbv | 1813 | 87 |
| Chloromethane | 5.55 | -1.00 | ppbv | 21772 | 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 | 354674 | 56.1 |
| 1,3-Butadiene | 5.93 | 0.01 | ppbv | 12792 | 39.1 |
| Butane | 0.00 | 0.00 | ppbv | 0 | 58.1 |
| trans-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Bromomethane | 6.31 | -1.00 | ppbv | 8685 | 96 |
| cis-2-butene | 0.00 | 0.00 | ppbv | 0 | 56.1 |
| Chloroethane | 6.48 | -1.00 | ppbv | 4010 | 66.1 |
| Ethanol | 6.59 | -1.00 | ppbv | 21275 | 45.1 |
| Vinyl Bromide | 6.94 | -1.00 | ppbv | 7297 | 108 |
| Acetonitrile | 6.82 | 0.65 | ppbv | 196819 | 40.1 |
| Acrolein | 6.95 | 0.24 | ppbv | 29404 | 55.1 |
| Acetone | 7.07 | 0.31 | ppbv | 531497 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 0.00 | 0.00 | ppbv | 0 | 103 |
| Isopropyl Alcohol | 7.28 | -1.00 | ppbv | 14969 | 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 | 2294 | 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 | 7.89 | 0.10 | ppbv | 34031 | 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 | 0.08 | ppbv | 217993 | 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 |

S10 can 2521 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.85 | 20.00 |
| 1,4-Difluorobenzene | 11.98 | 20.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |
| | | |
| Target Compounds | | |
| Propylene | 5.18 | 0.06 |
| Propane | 5.20 | 0.32 |
| 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 | 0.44 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 6.06 | -1.00 |
| trans-2-butene | 5.94 | 0.55 |
| Bromomethane | 0.00 | 0.00 |
| cis-2-butene | 0.00 | 0.00 |
| Chloroethane | 0.00 | 0.00 |
| Ethanol | 6.59 | 0.25 |
| Vinyl Bromide | 6.95 | -1.00 |
| Acetonitrile | 6.85 | -1.00 |
| Acrolein | 6.96 | 0.06 |
| Acetone | 7.08 | 0.08 |
| iso-Pentane | 7.09 | -1.00 |
| Trichlorofluoromethane | 7.25 | -1.00 |
| Isopropyl Alcohol | 7.30 | -1.00 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 7.54 | -1.00 |
| Isoprene | 7.64 | 0.01 |
| 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 | 8.10 | -1.00 |
| Carbon Disulfide | 8.20 | -0.14 |
| 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 |

111318014.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 1381863 | 49.1 |
| ppbv | 4509352 | 88.1 |
| ppbv | 1134132 | 117.1 |
| | | |
| ppbv | 63815 | 42.2 |
| ppbv | 56076 | 44.1 |
| ppbv | 5124 | 87 |
| ppbv | 5902 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 320642 | 56.1 |
| ppbv | 0 | 39.1 |
| ppbv | 10116 | 58.1 |
| ppbv | 321724 | 56.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 66.1 |
| ppbv | 70883 | 45.1 |
| ppbv | 4154 | 108 |
| ppbv | 11953 | 40.1 |
| ppbv | 9910 | 55.1 |
| ppbv | 251078 | 58.1 |
| ppbv | 7925 | 57.1 |
| ppbv | 4211 | 103 |
| ppbv | 8837 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 2851 | 57.1 |
| ppbv | 3390 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 32152 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 917 | 85 |
| ppbv | 11601 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |

S7 can 751 Data File Name 111418008.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.84 | 20.00 | ppbv | 292492 | 49.1 |
| 1,4-Difluorobenzene | 11.97 | 20.00 | ppbv | 997686 | 88.1 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 344165 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| Propylene | 5.20 | -1.00 | ppbv | 31610 | 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 | 5.94 | -1.00 | ppbv | 186951 | 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 | 6.58 | -1.00 | ppbv | 25736 | 45.1 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 | 108 |
| Acetonitrile | 6.84 | 0.03 | ppbv | 29198 | 40.1 |
| Acrolein | 6.95 | 0.08 | ppbv | 15318 | 55.1 |
| Acetone | 7.08 | 0.53 | ppbv | 550222 | 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 | 7.89 | -1.00 | ppbv | 10534 | 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 | 0.00 | 0.00 | ppbv | 0 | 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 |

S8 can MTC48 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.84 | 20.00 |
| 1,4-Difluorobenzene | 11.98 | 20.00 |
| Chlorobenzene-d5 | 18.35 | 20.00 |

| Target Compounds | | |
|---|---|---|
| Propylene | 0.00 | 0.00 |
| Propane | 5.19 | -1.00 |
| 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 | 0.00 | 0.00 |
| Acrolein | 0.00 | 0.00 |
| Acetone | 7.08 | -1.00 |
| 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 | 7.87 | -1.00 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 |
| Carbon Disulfide | 8.18 | -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 |

111418010.D

| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 282704 | 49.1 |
| ppbv | 930259 | 88.1 |
| ppbv | 359433 | 117.1 |
| | | |
| ppbv | 0 | 42.2 |
| ppbv | 24833 | 44.1 |
| ppbv | 0 | 87 |
| ppbv | 0 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 168751 | 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 | 11441 | 45.1 |
| ppbv | 0 | 108 |
| ppbv | 0 | 40.1 |
| ppbv | 0 | 55.1 |
| ppbv | 172791 | 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 | 10385 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 0 | 85 |
| ppbv | 3643 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |

S14 can 723 Data File Name 111418012.D

| Internal standards | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| Bromochloromethane | 9.84 | 20.00 | ppbv | 289265 | 49.1 |
| 1,4-Difluorobenzene | 11.97 | 20.00 | ppbv | 941851 | 88.1 |
| Chlorobenzene-d5 | 18.35 | 20.00 | ppbv | 363759 | 117.1 |
| | | | | | |
| Target Compounds | | | | | |
| 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 | 5.94 | -1.00 | ppbv | 168438 | 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 | 14956 | 45.1 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 | 108 |
| Acetonitrile | 7.07 | -1.00 | ppbv | 10222 | 40.1 |
| Acrolein | 6.95 | 0.05 | ppbv | 13106 | 55.1 |
| Acetone | 7.07 | 0.16 | ppbv | 303724 | 58.1 |
| iso-Pentane | 0.00 | 0.00 | ppbv | 0 | 57.1 |
| Trichlorofluoromethane | 0.00 | 0.00 | ppbv | 0 | 103 |
| Isopropyl Alcohol | 7.29 | -1.00 | ppbv | 6583 | 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 | 8948 | 41.1 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 | 96 |
| Methylene Chloride | 7.88 | -1.00 | ppbv | 8702 | 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 | -0.61 | ppbv | 4012 | 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 |

S12 can 793 Data File Name

| Internal standards | Ret Time | Amount |
|---|---|---|
| Bromochloromethane | 9.86 | 20.00 |
| 1,4-Difluorobenzene | 12.00 | 20.00 |
| Chlorobenzene-d5 | 18.37 | 20.00 |
| | | |
| Target Compounds | | |
| Propylene | 5.17 | 0.15 |
| Propane | 5.20 | 0.57 |
| Dichlorodifluoromethane | 5.30 | -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 | 1.11 |
| 1,3-Butadiene | 0.00 | 0.00 |
| Butane | 6.06 | -1.00 |
| trans-2-butene | 6.16 | -1.00 |
| Bromomethane | 6.31 | 0.05 |
| cis-2-butene | 6.32 | 0.00 |
| Chloroethane | 6.50 | -1.00 |
| Ethanol | 6.59 | 0.22 |
| Vinyl Bromide | 6.94 | -1.00 |
| Acetonitrile | 0.00 | 0.00 |
| Acrolein | 6.96 | 0.77 |
| Acetone | 7.08 | 0.70 |
| iso-Pentane | 0.00 | 0.00 |
| Trichlorofluoromethane | 7.26 | -1.00 |
| Isopropyl Alcohol | 7.30 | -1.00 |
| 1-Pentene | 0.00 | 0.00 |
| Acrylonitrile | 0.00 | 0.00 |
| n-Pentane | 7.55 | -1.00 |
| Isoprene | 7.65 | 0.00 |
| trans-2-pentene | 0.00 | 0.00 |
| cis-2-pentene | 0.00 | 0.00 |
| Tert-Butanol | 7.82 | 0.03 |
| 1,1-Dichloroethene | 0.00 | 0.00 |
| Methylene Chloride | 7.90 | 0.12 |
| 3-Chloro-1-Propene | 0.00 | 0.00 |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 8.11 | -1.00 |
| Carbon Disulfide | 8.20 | -0.14 |
| 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 |

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| Units | Target Response | Q1 Signal |
|---|---|---|
| ppbv | 432404 | 49.1 |
| ppbv | 1441742 | 88.1 |
| ppbv | 501476 | 117.1 |
| | | |
| ppbv | 42350 | 42.2 |
| ppbv | 30416 | 44.1 |
| ppbv | 1359 | 87 |
| ppbv | 3466 | 52.1 |
| ppbv | 0 | 42.2 |
| ppbv | 0 | 135 |
| ppbv | 0 | 64.1 |
| ppbv | 245107 | 56.1 |
| ppbv | 0 | 39.1 |
| ppbv | 3529 | 58.1 |
| ppbv | 950 | 56.1 |
| ppbv | 17089 | 96 |
| ppbv | 2149 | 56.1 |
| ppbv | 545 | 66.1 |
| ppbv | 20724 | 45.1 |
| ppbv | 499 | 108 |
| ppbv | 0 | 40.1 |
| ppbv | 25586 | 55.1 |
| ppbv | 283163 | 58.1 |
| ppbv | 0 | 57.1 |
| ppbv | 1068 | 103 |
| ppbv | 4704 | 41.1 |
| ppbv | 0 | 55.1 |
| ppbv | 0 | 52.1 |
| ppbv | 1429 | 57.1 |
| ppbv | 373 | 53.1 |
| ppbv | 0 | 70.1 |
| ppbv | 0 | 70.1 |
| ppbv | 5103 | 41.1 |
| ppbv | 0 | 96 |
| ppbv | 12390 | 49.1 |
| ppbv | 0 | 76.1 |
| ppbv | 250 | 85 |
| ppbv | 4325 | 44.1 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 96 |
| ppbv | 0 | 0 |
| ppbv | 0 | 43.1 |

S9 can 700 Data File Name 111418021.D

| Internal standards | Ret Time | Amount | Units | Target Response |
|---|---|---|---|---|
| Bromochloromethane | 9.88 | 20.00 | ppbv | 421407 |
| 1,4-Difluorobenzene | 12.00 | 20.00 | ppbv | 1424464 |
| Chlorobenzene-d5 | 18.37 | 20.00 | ppbv | 491549 |
| | | | | |
| Target Compounds | | | | |
| Propylene | 5.20 | 0.15 | ppbv | 41678 |
| Propane | 5.21 | 0.56 | ppbv | 28749 |
| Dichlorodifluoromethane | 5.28 | -1.00 | ppbv | 1075 |
| Chloromethane | 5.56 | -1.00 | ppbv | 2404 |
| Isobutane | 5.72 | 0.05 | ppbv | 13898 |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv | 0 |
| Vinyl Chloride | 0.00 | 0.00 | ppbv | 0 |
| 1-Butene | 5.96 | 1.13 | ppbv | 242480 |
| 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 | 0.00 | 0.00 | ppbv | 0 |
| Ethanol | 6.60 | 0.10 | ppbv | 14223 |
| Vinyl Bromide | 0.00 | 0.00 | ppbv | 0 |
| Acetonitrile | 6.86 | 0.03 | ppbv | 6864 |
| Acrolein | 6.99 | 0.13 | ppbv | 5141 |
| Acetone | 7.10 | 1.08 | ppbv | 397453 |
| iso-Pentane | 7.10 | 0.05 | ppbv | 10350 |
| Trichlorofluoromethane | 7.26 | -1.00 | ppbv | 460 |
| Isopropyl Alcohol | 7.32 | 0.20 | ppbv | 12435 |
| 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 | 0.00 | 0.00 | ppbv | 0 |
| Tert-Butanol | 0.00 | 0.00 | ppbv | 0 |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Methylene Chloride | 7.91 | 0.12 | ppbv | 12001 |
| 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 | 8.22 | -0.14 | ppbv | 4351 |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv | 0 |
| Cyclopentane | 8.71 | 0.05 | ppbv | 2547 |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv | 0 |

S5 can 262 Data File Name 111518007.D

| Internal standards | Ret Time | Amount | Units |
|---|---|---|---|
| Bromochloromethane | 9.86 | 20.00 | ppbv |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv |
| | | | |
| Target Compounds | | | |
| Propylene | 5.18 | 0.16 | ppbv |
| Propane | 5.21 | 0.57 | ppbv |
| Dichlorodifluoromethane | 5.33 | -1.00 | ppbv |
| Chloromethane | 5.56 | -1.00 | ppbv |
| Isobutane | 5.72 | 0.13 | ppbv |
| Dichlorotetrafluoroethane | 0.00 | 0.00 | ppbv |
| Vinyl Chloride | 0.00 | 0.00 | ppbv |
| 1-Butene | 5.96 | 1.18 | ppbv |
| 1,3-Butadiene | 5.96 | 0.03 | ppbv |
| Butane | 6.07 | 0.00 | ppbv |
| trans-2-butene | 0.00 | 0.00 | ppbv |
| Bromomethane | 0.00 | 0.00 | ppbv |
| cis-2-butene | 0.00 | 0.00 | ppbv |
| Chloroethane | 0.00 | 0.00 | ppbv |
| Ethanol | 6.59 | 0.72 | ppbv |
| Vinyl Bromide | 6.91 | -1.00 | ppbv |
| Acetonitrile | 6.83 | 0.24 | ppbv |
| Acrolein | 6.97 | 0.65 | ppbv |
| Acetone | 7.09 | 5.93 | ppbv |
| iso-Pentane | 0.00 | 0.00 | ppbv |
| Trichlorofluoromethane | 7.26 | -1.00 | ppbv |
| Isopropyl Alcohol | 7.31 | 0.92 | ppbv |
| 1-Pentene | 0.00 | 0.00 | ppbv |
| Acrylonitrile | 0.00 | 0.00 | ppbv |
| n-Pentane | 7.55 | -1.00 | ppbv |
| Isoprene | 7.66 | 0.02 | ppbv |
| trans-2-pentene | 0.00 | 0.00 | ppbv |
| cis-2-pentene | 0.00 | 0.00 | ppbv |
| Tert-Butanol | 7.82 | 0.08 | ppbv |
| 1,1-Dichloroethene | 0.00 | 0.00 | ppbv |
| Methylene Chloride | 7.91 | 0.13 | ppbv |
| 3-Chloro-1-Propene | 0.00 | 0.00 | ppbv |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 | 0.00 | ppbv |
| Carbon Disulfide | 8.20 | -0.14 | ppbv |
| 2,2-Dimethylbutane | 0.00 | 0.00 | ppbv |
| trans-1,2-Dichloroethene | 0.00 | 0.00 | ppbv |
| Cyclopentane | 0.00 | 0.00 | ppbv |
| 2,3-Dimethylbutane | 0.00 | 0.00 | ppbv |

FB can 021

| Target Response | Q1 Signal | Internal standards | Ret Time |
|---|---|---|---|
| 441695 | 49.1 | Bromochloromethane | 9.85 |
| 1538394 | 88.1 | 1,4-Difluorobenzene | 11.99 |
| 565617 | 117.1 | Chlorobenzene-d5 | 18.36 |
| | | | |
| | | Target Compounds | |
| 46315 | 42.2 | Propylene | 5.18 |
| 31029 | 44.1 | Propane | 5.21 |
| 2760 | 87 | Dichlorodifluoromethane | 5.28 |
| 4542 | 52.1 | Chloromethane | 5.55 |
| 28607 | 42.2 | Isobutane | 5.71 |
| 0 | 135 | Dichlorotetrafluoroethane | 0.00 |
| 0 | 64.1 | Vinyl Chloride | 0.00 |
| 265047 | 56.1 | 1-Butene | 5.94 |
| 8188 | 39.1 | 1,3-Butadiene | 0.00 |
| 4429 | 58.1 | Butane | 0.00 |
| 0 | 56.1 | trans-2-butene | 0.00 |
| 0 | 96 | Bromomethane | 0.00 |
| 0 | 56.1 | cis-2-butene | 0.00 |
| 0 | 66.1 | Chloroethane | 6.48 |
| 46799 | 45.1 | Ethanol | 6.59 |
| 1326 | 108 | Vinyl Bromide | 6.96 |
| 24622 | 40.1 | Acetonitrile | 6.83 |
| 22173 | 55.1 | Acrolein | 6.96 |
| 1926520 | 58.1 | Acetone | 7.08 |
| 0 | 57.1 | iso-Pentane | 0.00 |
| 2293 | 103 | Trichlorofluoromethane | 7.26 |
| 43139 | 41.1 | Isopropyl Alcohol | 7.30 |
| 0 | 55.1 | 1-Pentene | 0.00 |
| 0 | 52.1 | Acrylonitrile | 0.00 |
| 1677 | 57.1 | n-Pentane | 0.00 |
| 3419 | 53.1 | Isoprene | 7.65 |
| 0 | 70.1 | trans-2-pentene | 0.00 |
| 0 | 70.1 | cis-2-pentene | 7.81 |
| 11131 | 41.1 | Tert-Butanol | 0.00 |
| 0 | 96 | 1,1-Dichloroethene | 0.00 |
| 13060 | 49.1 | Methylene Chloride | 7.90 |
| 0 | 76.1 | 3-Chloro-1-Propene | 0.00 |
| 0 | 85 | 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.00 |
| 4834 | 44.1 | Carbon Disulfide | 8.20 |
| 0 | 57.1 | 2,2-Dimethylbutane | 0.00 |
| 0 | 96 | trans-1,2-Dichloroethene | 0.00 |
| 0 | 0 | Cyclopentane | 0.00 |
| 0 | 43.1 | 2,3-Dimethylbutane | 0.00 |

Data File Name 111618002.D

| Amount | Units | Target Response |
|---|---|---|
| 20.00 | ppbv | 438877 |
| 20.00 | ppbv | 1508200 |
| 20.00 | ppbv | 554465 |
| | | |
| 0.14 | ppbv | 42127 |
| 0.59 | ppbv | 31531 |
| -1.00 | ppbv | 1570 |
| -1.00 | ppbv | 3874 |
| 0.07 | ppbv | 17758 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 1.13 | ppbv | 253345 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| -1.00 | ppbv | 997 |
| 0.24 | ppbv | 21749 |
| -1.00 | ppbv | 1531 |
| 0.07 | ppbv | 10256 |
| 0.33 | ppbv | 11824 |
| 1.75 | ppbv | 630705 |
| 0.00 | ppbv | 0 |
| -1.00 | ppbv | 1104 |
| 0.07 | ppbv | 7804 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.02 | ppbv | 2763 |
| 0.00 | ppbv | 0 |
| 0.01 | ppbv | 1127 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.13 | ppbv | 12841 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| -0.12 | ppbv | 10077 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |

Trip Blank can RK8 Data File Name 111618004.D

| Internal standards | Ret Time | Amount | Units | Target Response |
|---|---|---|---|---|
| Bromochloromethane | 9.85 | 20.00 | ppbv | 448525 |
| 1,4-Difluorobenzene | 11.99 | 20.00 | ppbv | 1547630 |
| Chlorobenzene-d5 | 18.36 | 20.00 | ppbv | 561236 |
| | | | | |
| Target Compounds | | | | |
| 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 |

BBlk #1 can 068 Data File Name 111418017.D

| Internal standards | Ret Time | Amount | Units |
|---|---|---|---|
| Bromochloromethane | | 20.00 | ppbv |
| 1,4-Difluorobenzene | | 20.00 | ppbv |
| Chlorobenzene-d5 | | 20.00 | ppbv |

| Target Compounds | | | |
|---|---|---|---|
| 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 |

| Target Response |
|---|
| 426438 |
| 1427120 |
| 474414 |
| |
| |
| 39932 |
| 30696 |
| 1114 |
| 5106 |
| 16819 |
| 0 |
| 0 |
| 254694 |
| 0 |
| 3188 |
| 0 |
| 0 |
| 0 |
| 1021 |
| 17284 |
| 0 |
| 6565 |
| 4468 |
| 315803 |
| 0 |
| 609 |
| 6092 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 0 |
| 12284 |
| 0 |
| 0 |
| 17572 |
| 0 |
| 0 |
| 0 |
| 0 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| 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 |
| | | | | | |
| 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 |

| | | |
|---|---|---|
| 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 |
| 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 |
| | | |
| 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 |

| | | |
|---|---|---|
| ppbv | 1583 | 65.1 |
| ppbv | 1425 | 57.1 |
| ppbv | 39893 | 86.1 |
| ppbv | 396 | 42.1 |
| 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 | 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| 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 |
| | | | | | |
| 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 |

| | | |
|---|---|---|
| 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 |
| 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 |
| | | |
| 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 |

| | | |
|---|---|---|
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 16549 | 86.1 |
| ppbv | 0 | 42.1 |
| 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 | 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| 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 |
| | | | | | |
| 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 |

| | | |
|---|---|---|
| 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 |
| 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 |
| | | |
| 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 |

| | | |
|---|---|---|
| ppbv | 1040 | 65.1 |
| ppbv | 5224 | 57.1 |
| ppbv | 116978 | 86.1 |
| ppbv | 0 | 42.1 |
| 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 | 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |
| 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 |
| | | | | | |
| 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 |

| | | |
|---|---|---|
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 8.83 | 0.08 |
| Vinyl Acetate | 9.02 | -1.00 |
| 2-Methylpentane | 0.00 | 0.00 |
| 2-Butanone | 9.32 | 0.18 |
| 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 | 11.61 | 0.05 |
| Carbon Tetrachloride | 11.76 | -0.25 |
| Cyclohexane | 0.00 | 0.00 |
| | | |
| 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 | 12.93 | 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 | 14.17 | 0.52 |
| Methylcyclohexane | 14.18 | 0.04 |
| 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 | 15.60 | 0.11 |
| 2-Methylheptane | 0.00 | 0.00 |
| 2-Hexanone | 0.00 | 0.00 |
| Dibromochloromethane | 16.22 | 0.04 |
| 3-Methylheptane | 0.00 | 0.00 |
| 1,2-Dibromoethane | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 0 | 65.1 |
| ppbv | 1268 | 57.1 |
| ppbv | 45829 | 86.1 |
| ppbv | 0 | 42.1 |
| ppbv | 53066 | 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 | 5380 | 77.1 |
| ppbv | 362 | 119 |
| ppbv | 0 | 69.1 |
| | | |
| 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 | 2550 | 131.9 |
| ppbv | 0 | 56.1 |
| ppbv | 0 | 69.1 |
| ppbv | 0 | 71.1 |
| ppbv | 0 | 77.1 |
| ppbv | 359098 | 58.1 |
| ppbv | 18883 | 55.1 |
| ppbv | 0 | 77.1 |
| ppbv | 0 | 99 |
| ppbv | 0 | 71 |
| ppbv | 1563 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 410 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |

| | | | | | |
|---|---|---|---|---|---|
| 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 | 8.97 | 0.45 | ppbv | 443389 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |
| 2-Butanone | 9.27 | 0.23 | ppbv | 83426 | 72.1 |
| 3-Methylpentane | 9.39 | 0.01 | ppbv | 3895 | 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 | 9.88 | 0.04 | ppbv | 1409 | 43.1 |
| Chloroform | 9.96 | -0.23 | ppbv | 4766 | 85 |
| Tetrahydrofuran | 10.46 | 0.08 | ppbv | 2366 | 72.1 |
| Ethyl Tert-Butyl Ether | 10.50 | 0.10 | ppbv | 1542 | 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 | 6688 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| | | | | | |
| 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 | 2551 | 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 | 15.58 | 0.11 | ppbv | 1935 | 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 |

| | | |
|---|---|---|
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 |
| Vinyl Acetate | 9.02 | -1.00 |
| 2-Methylpentane | 0.00 | 0.00 |
| 2-Butanone | 9.33 | 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 | 11.58 | 0.05 |
| Carbon Tetrachloride | 11.75 | -0.25 |
| Cyclohexane | 0.00 | 0.00 |
| | | |
| 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 | 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 | 15.60 | 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 |

| | | |
|---|---|---|
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 13277 | 86.1 |
| ppbv | 0 | 42.1 |
| ppbv | 14892 | 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 | 4905 | 77.1 |
| ppbv | 1265 | 119 |
| ppbv | 0 | 69.1 |
| | | |
| 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 | 2386 | 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 | 2327 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |

| | | | | | |
|---|---|---|---|---|---|
| 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 | 0.03 | ppbv | 83818 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |
| 2-Butanone | 9.29 | 0.15 | ppbv | 32185 | 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 | 11.57 | -1.00 | ppbv | 1932 | 77.1 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 | 119 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 | 69.1 |
| | | | | | |
| 2-Methylhexane | 0.00 | 0.00 | ppbv | 0 | 85 |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv | 0 | 43.1 |
| Tert Amyl Methyl Ether | 11.99 | 0.12 | ppbv | 15404 | 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 |

| | | |
|---|---|---|
| 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 |
| 2-Butanone | 9.29 | 0.10 |
| 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 |
| | | |
| 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 |

| | | |
|---|---|---|
| ppbv | 0 | 65.1 |
| ppbv | 0 | 57.1 |
| ppbv | 10714 | 86.1 |
| ppbv | 0 | 42.1 |
| ppbv | 16838 | 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 | 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 | 36458 | 86.1 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 | 42.1 |
| 2-Butanone | 9.28 | 0.13 | ppbv | 24654 | 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 |
| | | | | | |
| 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 |

| | | |
|---|---|---|
| 1,1-Dichloroethane | 0.00 | 0.00 |
| Methyl-t-Butyl-Ether | 8.82 | 0.08 |
| Vinyl Acetate | 9.00 | 0.14 |
| 2-Methylpentane | 0.00 | 0.00 |
| 2-Butanone | 9.33 | 0.17 |
| 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 | 11.61 | 0.05 |
| Carbon Tetrachloride | 0.00 | 0.00 |
| Cyclohexane | 0.00 | 0.00 |
| | | |
| 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 | 12.94 | 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 | 15.62 | 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 |

| | | |
|---|---|---|
| ppbv | 0 | 65.1 |
| ppbv | 813 | 57.1 |
| ppbv | 68126 | 86.1 |
| ppbv | 0 | 42.1 |
| ppbv | 13055 | 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 | 2116 | 77.1 |
| ppbv | 0 | 119 |
| ppbv | 0 | 69.1 |
| | | |
| 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 | 912 | 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 | 740 | 92.1 |
| ppbv | 0 | 43.1 |
| ppbv | 0 | 58.1 |
| ppbv | 0 | 126.9 |
| ppbv | 0 | 57.1 |
| ppbv | 0 | 109 |

| | | | | |
|---|---|---|---|---|
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv | 0 |
| Methyl-t-Butyl-Ether | 8.84 | 0.08 | ppbv | 487 |
| Vinyl Acetate | 8.84 | -1.00 | ppbv | 2150 |
| 2-Methylpentane | 0.00 | 0.00 | ppbv | 0 |
| 2-Butanone | 9.33 | 0.15 | ppbv | 8328 |
| 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 | 11.60 | 0.05 | ppbv | 1576 |
| Carbon Tetrachloride | 0.00 | 0.00 | ppbv | 0 |
| Cyclohexane | 0.00 | 0.00 | ppbv | 0 |
| | | | | |
| 2-Methylhexane | 12.00 | 0.01 | ppbv | 1252 |
| 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 |

| | | | |
|---|---|---|---|
| 1,1-Dichloroethane | 0.00 | 0.00 | ppbv |
| Methyl-t-Butyl-Ether | 0.00 | 0.00 | ppbv |
| Vinyl Acetate | 9.00 | 0.20 | ppbv |
| 2-Methylpentane | 0.00 | 0.00 | ppbv |
| 2-Butanone | 9.29 | 0.47 | ppbv |
| 3-Methylpentane | 9.40 | 0.01 | ppbv |
| 2-Chloroprene | 0.00 | 0.00 | ppbv |
| 1-Hexene | 0.00 | 0.00 | ppbv |
| cis-1,2-Dichloroethene | 0.00 | 0.00 | ppbv |
| Diisopropyl ether | 9.77 | 0.01 | ppbv |
| Ethyl Acetate | 0.00 | 0.00 | ppbv |
| n-Hexane | 0.00 | 0.00 | ppbv |
| Chloroform | 0.00 | 0.00 | ppbv |
| Tetrahydrofuran | 0.00 | 0.00 | ppbv |
| Ethyl Tert-Butyl Ether | 0.00 | 0.00 | ppbv |
| Methylcyclopentane | 0.00 | 0.00 | ppbv |
| 1,2-Dichloroethane | 0.00 | 0.00 | ppbv |
| 2,4-Dimethylpentane | 0.00 | 0.00 | ppbv |
| 1,1,1-Trichloroethane | 0.00 | 0.00 | ppbv |
| Benzene | 11.60 | 0.05 | ppbv |
| Carbon Tetrachloride | 11.77 | -0.25 | ppbv |
| Cyclohexane | 0.00 | 0.00 | ppbv |
| | | | |
| 2-Methylhexane | 0.00 | 0.00 | ppbv |
| 2,3-Dimethylpentane | 0.00 | 0.00 | ppbv |
| Tert Amyl Methyl Ether | 0.00 | 0.00 | ppbv |
| 3-methylhexane | 0.00 | 0.00 | ppbv |
| 1,2-Dichloropropane | 0.00 | 0.00 | ppbv |
| Ethyl acrylate | 0.00 | 0.00 | ppbv |
| Bromodichloromethane | 0.00 | 0.00 | ppbv |
| 1,4-Dioxane | 0.00 | 0.00 | ppbv |
| Trichloroethene | 12.93 | 0.04 | ppbv |
| Isooctane | 0.00 | 0.00 | ppbv |
| Methyl Methacrylate | 0.00 | 0.00 | ppbv |
| Heptane | 0.00 | 0.00 | ppbv |
| cis-1,3-Dichloropropene | 0.00 | 0.00 | ppbv |
| 4-Methy-2-Pentanone | 14.19 | 0.68 | ppbv |
| Methylcyclohexane | 14.19 | 0.05 | ppbv |
| trans-1,3-Dichloropropene | 0.00 | 0.00 | ppbv |
| 1,1,2-Trichloroethane | 0.00 | 0.00 | ppbv |
| 2,3,4-Trimethylpentane | 0.00 | 0.00 | ppbv |
| Toluene | 0.00 | 0.00 | ppbv |
| 2-Methylheptane | 0.00 | 0.00 | ppbv |
| 2-Hexanone | 0.00 | 0.00 | ppbv |
| Dibromochloromethane | 0.00 | 0.00 | ppbv |
| 3-Methylheptane | 0.00 | 0.00 | ppbv |
| 1,2-Dibromoethane | 0.00 | 0.00 | ppbv |

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|---|---|---|---|
| 0 | 65.1 | 1,1-Dichloroethane | 0.00 |
| 0 | 57.1 | Methyl-t-Butyl-Ether | 0.00 |
| 80384 | 86.1 | Vinyl Acetate | 9.00 |
| 0 | 42.1 | 2-Methylpentane | 0.00 |
| 71556 | 72.1 | 2-Butanone | 9.30 |
| 1245 | 56.1 | 3-Methylpentane | 0.00 |
| 0 | 88.1 | 2-Chloroprene | 0.00 |
| 0 | 41.1 | 1-Hexene | 0.00 |
| 0 | 96 | cis-1,2-Dichloroethene | 0.00 |
| 1154 | 87.1 | Diisopropyl ether | 0.00 |
| 0 | 61.1 | Ethyl Acetate | 0.00 |
| 0 | 43.1 | n-Hexane | 0.00 |
| 0 | 85 | Chloroform | 0.00 |
| 0 | 72.1 | Tetrahydrofuran | 0.00 |
| 0 | 87.1 | Ethyl Tert-Butyl Ether | 0.00 |
| 0 | 84.1 | Methylcyclopentane | 0.00 |
| 0 | 64.1 | 1,2-Dichloroethane | 0.00 |
| 0 | 57.1 | 2,4-Dimethylpentane | 0.00 |
| 0 | 99 | 1,1,1-Trichloroethane | 0.00 |
| 1794 | 77.1 | Benzene | 11.59 |
| 801 | 119 | Carbon Tetrachloride | 0.00 |
| 0 | 69.1 | Cyclohexane | 0.00 |
| | | | |
| 0 | 85 | 2-Methylhexane | 0.00 |
| 0 | 43.1 | 2,3-Dimethylpentane | 0.00 |
| 0 | 87.1 | Tert Amyl Methyl Ether | 0.00 |
| 0 | 71.1 | 3-methylhexane | 0.00 |
| 0 | 65.1 | 1,2-Dichloropropane | 0.00 |
| 0 | 73.1 | Ethyl acrylate | 0.00 |
| 0 | 85 | Bromodichloromethane | 0.00 |
| 0 | 58.1 | 1,4-Dioxane | 0.00 |
| 829 | 131.9 | Trichloroethene | 0.00 |
| 0 | 56.1 | Isooctane | 0.00 |
| 0 | 69.1 | Methyl Methacrylate | 0.00 |
| 0 | 71.1 | Heptane | 0.00 |
| 0 | 77.1 | cis-1,3-Dichloropropene | 0.00 |
| 137252 | 58.1 | 4-Methy-2-Pentanone | 0.00 |
| 6216 | 55.1 | Methylcyclohexane | 0.00 |
| 0 | 77.1 | trans-1,3-Dichloropropene | 0.00 |
| 0 | 99 | 1,1,2-Trichloroethane | 0.00 |
| 0 | 71 | 2,3,4-Trimethylpentane | 0.00 |
| 0 | 92.1 | Toluene | 0.00 |
| 0 | 43.1 | 2-Methylheptane | 0.00 |
| 0 | 58.1 | 2-Hexanone | 0.00 |
| 0 | 126.9 | Dibromochloromethane | 0.00 |
| 0 | 57.1 | 3-Methylheptane | 0.00 |
| 0 | 109 | 1,2-Dibromoethane | 0.00 |

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|---|---|---|
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.07 | ppbv | 54486 |
| 0.00 | ppbv | 0 |
| 0.29 | ppbv | 36132 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.05 | ppbv | 1763 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| | | |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
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| 0.00 | ppbv | 0 |
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| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |

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|---|---|---|---|---|
| 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 |
| 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 |
| | | | | |
| 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 |

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|---|---|
| 1,1-Dichloroethane | ppbv |
| Methyl-t-Butyl-Ether | ppbv |
| Vinyl Acetate | ppbv |
| 2-Methylpentane | ppbv |
| 2-Butanone | ppbv |
| 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 |
| | |
| 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 |

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|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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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|---|---|---|
| Octane | 17.15 | 0.02 |
| Tetrachloroethene | 17.35 | 0.03 |
| | | |
| 1,1,1,2-Tetrachloroethane | 18.43 | -1.00 |
| 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 |

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|---|---|---|
| ppbv | 776 | 85.1 |
| ppbv | 414 | 163.9 |
| | | |
| ppbv | 723 | 133 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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 |

| | | |
|---|---|---|
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| 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 | 85.1 |
| ppbv | 0 | 163.9 |
| | | |
| ppbv | 0 | 133 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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 |

| | | |
|---|---|---|
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| 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 | 85.1 |
| ppbv | 0 | 163.9 |
| | | |
| ppbv | 0 | 133 |
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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 |

| | | |
|---|---|---|
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| 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 | -18.72 |
| 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 | 26.75 | 0.01 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 |
| Naphthalene | 0.00 | 0.00 |
| Dodecane | 28.34 | 0.02 |
| Hexachlorobutadiene | 28.62 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| | | |
| ppbv | 0 | 133 |
| 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 | 661782 | 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 | 2053 | 71.1 |
| ppbv | 0 | 182 |
| ppbv | 0 | 0 |
| ppbv | 8153 | 71 |
| ppbv | 1240 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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 | 21.17 | -10.90 | ppbv | 894306 | 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 | 23.98 | -1.00 | ppbv | 1402 | 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 | 24.34 | 0.02 | ppbv | 1483 | 71.1 |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv | 0 | 134.2 |
| 1,2,3-Trimethylbenzene | 24.89 | 0.02 | ppbv | 2097 | 120.1 |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 148 |
| o-Cymene | 25.30 | 0.07 | ppbv | 2386 | 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 | 25.73 | 0.02 | ppbv | 2521 | 92.1 |
| Undecane | 26.69 | 0.02 | ppbv | 5141 | 71.1 |
| 1,2,4-Trichlorobenzene | 27.96 | 0.08 | ppbv | 5547 | 182 |
| Naphthalene | 28.12 | 0.13 | ppbv | 25451 | 0 |
| Dodecane | 28.26 | 0.02 | ppbv | 11089 | 71 |
| Hexachlorobutadiene | 28.61 | -1.00 | ppbv | 3242 | 226.9 |

| | | |
|---|---|---|
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| 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 | -16.47 |
| 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 | 25.31 | 0.06 |
| 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 | 28.32 | 0.01 |
| Hexachlorobutadiene | 28.62 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| | | |
| ppbv | 0 | 133 |
| 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 | 586889 | 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 | 839 | 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 | 2188 | 71 |
| ppbv | 1004 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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 | 21.17 | -43.89 | ppbv | 187210 | 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 | 28.31 | 0.14 | ppbv | 14651 | 71 |
| Hexachlorobutadiene | 0.00 | 0.00 | ppbv | 0 | 226.9 |

| | | |
|---|---|---|
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| 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 | -65.16 |
| 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 | 0.00 | 0.00 |
| Hexachlorobutadiene | 0.00 | 0.00 |

| | | |
|---|---|---|
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| | | |
| ppbv | 0 | 133 |
| 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 | 125882 | 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 | 0 | 71 |
| ppbv | 0 | 226.9 |

| | | | | | |
|---|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 | 85.1 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 | 163.9 |
| | | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 | 133 |
| 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 | -47.36 | ppbv | 186375 | 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 | 26.73 | 0.03 | ppbv | 2721 | 71.1 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 | 182 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 | 0 |
| Dodecane | 28.27 | 0.07 | ppbv | 6508 | 71 |
| Hexachlorobutadiene | 0.00 | 0.00 | ppbv | 0 | 226.9 |

| | | |
|---|---|---|
| Octane | 0.00 | 0.00 |
| Tetrachloroethene | 0.00 | 0.00 |
| | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 |
| 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 | 21.20 | -22.73 |
| 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 | 26.74 | 0.01 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 |
| Naphthalene | 0.00 | 0.00 |
| Dodecane | 28.33 | 0.07 |
| Hexachlorobutadiene | 28.62 | -1.00 |

| | | |
|---|---|---|
| ppbv | 0 | 85.1 |
| ppbv | 0 | 163.9 |
| | | |
| ppbv | 0 | 133 |
| 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 | 213660 | 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 | 863 | 71.1 |
| ppbv | 0 | 182 |
| ppbv | 0 | 0 |
| ppbv | 15745 | 71 |
| ppbv | 460 | 226.9 |

| | | | | |
|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 |
| | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 |
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| 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 | -22.08 | ppbv | 214094 |
| 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 | 0.00 | 0.00 | ppbv | 0 |
| 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 | 0.00 | 0.00 | ppbv | 0 |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| Naphthalene | 0.00 | 0.00 | ppbv | 0 |
| Dodecane | 28.34 | 0.03 | ppbv | 5129 |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv | 322 |

| | | | |
|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv |
| Tetrachloroethene | 0.00 | 0.00 | ppbv |
| | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv |
| Chlorobenzene | 0.00 | 0.00 | ppbv |
| Ethylbenzene | 0.00 | 0.00 | ppbv |
| m-Xylene | 0.00 | 0.00 | ppbv |
| p-Xylene | 0.00 | 0.00 | ppbv |
| Bromoform | 0.00 | 0.00 | ppbv |
| Styrene | 0.00 | 0.00 | ppbv |
| Butyl Acrylate | 0.00 | 0.00 | ppbv |
| 1,1,2,2-Tetrachloroethane | 0.00 | 0.00 | ppbv |
| o-Xylene | 0.00 | 0.00 | ppbv |
| Nonane | 0.00 | 0.00 | ppbv |
| Bromofluorobenzene | 21.19 | -19.85 | ppbv |
| Cumene | 0.00 | 0.00 | ppbv |
| Chlorotoluenes | 0.00 | 0.00 | ppbv |
| n-Propylbenzene | 22.22 | 0.10 | ppbv |
| m-Ethyltoluene | 0.00 | 0.00 | ppbv |
| 1,3,5-Trimethylbenzene | 0.00 | 0.00 | ppbv |
| 1,2,4-Trimethylbenzene | 0.00 | 0.00 | ppbv |
| Tert-Butyl Benzene | 0.00 | 0.00 | ppbv |
| 1-Ethyl-4-Methyl Benzene | 0.00 | 0.00 | ppbv |
| o-Ethyltoluene | 0.00 | 0.00 | ppbv |
| 1,3-Dichlorobenzene | 0.00 | 0.00 | ppbv |
| 1,4-Dichlorobenzene | 0.00 | 0.00 | ppbv |
| n-Decane | 0.00 | 0.00 | ppbv |
| Sec-Butyl Benzene | 0.00 | 0.00 | ppbv |
| 1,2,3-Trimethylbenzene | 0.00 | 0.00 | ppbv |
| 1,2-Dichlorobenzene | 0.00 | 0.00 | ppbv |
| o-Cymene | 0.00 | 0.00 | ppbv |
| 1,3-Diethylbenzene | 0.00 | 0.00 | ppbv |
| 1,2-Diethylbenzene | 0.00 | 0.00 | ppbv |
| n-Butyl Benzene | 0.00 | 0.00 | ppbv |
| Undecane | 0.00 | 0.00 | ppbv |
| 1,2,4-Trichlorobenzene | 0.00 | 0.00 | ppbv |
| Naphthalene | 0.00 | 0.00 | ppbv |
| Dodecane | 28.33 | 0.04 | ppbv |
| Hexachlorobutadiene | 28.62 | -1.00 | ppbv |

| | | | |
|---|---|---|---|
| 0 | 85.1 | Octane | 0.00 |
| 0 | 163.9 | Tetrachloroethene | 0.00 |
| | | | |
| 0 | 133 | 1,1,1,2-Tetrachloroethane | 0.00 |
| 0 | 114 | Chlorobenzene | 0.00 |
| 0 | 106.1 | Ethylbenzene | 0.00 |
| 0 | 106.1 | m-Xylene | 0.00 |
| 0 | 106.1 | p-Xylene | 0.00 |
| 0 | 174.9 | Bromoform | 0.00 |
| 0 | 78.1 | Styrene | 0.00 |
| 0 | 56.1 | Butyl Acrylate | 0.00 |
| 0 | 85 | 1,1,2,2-Tetrachloroethane | 0.00 |
| 0 | 106.1 | o-Xylene | 0.00 |
| 0 | 85.1 | Nonane | 0.00 |
| 264759 | 174 | Bromofluorobenzene | 21.19 |
| 0 | 120.1 | Cumene | 0.00 |
| 0 | 126.1 | Chlorotoluenes | 0.00 |
| 556 | 120.1 | n-Propylbenzene | 0.00 |
| 0 | 120.1 | m-Ethyltoluene | 0.00 |
| 0 | 120.1 | 1,3,5-Trimethylbenzene | 0.00 |
| 0 | 120.1 | 1,2,4-Trimethylbenzene | 24.06 |
| 0 | 91.1 | Tert-Butyl Benzene | 0.00 |
| 0 | 120.1 | 1-Ethyl-4-Methyl Benzene | 0.00 |
| 0 | 120.1 | o-Ethyltoluene | 0.00 |
| 0 | 148 | 1,3-Dichlorobenzene | 0.00 |
| 0 | 148 | 1,4-Dichlorobenzene | 0.00 |
| 0 | 71.1 | n-Decane | 24.33 |
| 0 | 134.2 | Sec-Butyl Benzene | 0.00 |
| 0 | 120.1 | 1,2,3-Trimethylbenzene | 24.91 |
| 0 | 148 | 1,2-Dichlorobenzene | 0.00 |
| 0 | 134.1 | o-Cymene | 25.31 |
| 0 | 105.1 | 1,3-Diethylbenzene | 0.00 |
| 0 | 105.1 | 1,2-Diethylbenzene | 25.74 |
| 0 | 92.1 | n-Butyl Benzene | 0.00 |
| 0 | 71.1 | Undecane | 26.69 |
| 0 | 182 | 1,2,4-Trichlorobenzene | 28.01 |
| 0 | 0 | Naphthalene | 28.17 |
| 9635 | 71 | Dodecane | 28.26 |
| 339 | 226.9 | Hexachlorobutadiene | 28.62 |

| | | |
|---|---|---|
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| | | |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| -19.58 | ppbv | 261711 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| -1.00 | ppbv | 2628 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.00 | ppbv | 0 |
| 0.02 | ppbv | 2823 |
| 0.00 | ppbv | 0 |
| 0.02 | ppbv | 2138 |
| 0.00 | ppbv | 0 |
| 0.07 | ppbv | 1229 |
| 0.00 | ppbv | 0 |
| 0.02 | ppbv | 1549 |
| 0.00 | ppbv | 0 |
| 0.08 | ppbv | 22035 |
| 0.08 | ppbv | 760 |
| 0.13 | ppbv | 9445 |
| 0.25 | ppbv | 71596 |
| -1.00 | ppbv | 823 |

| | | | | |
|---|---|---|---|---|
| Octane | 0.00 | 0.00 | ppbv | 0 |
| Tetrachloroethene | 0.00 | 0.00 | ppbv | 0 |
| | | | | |
| 1,1,1,2-Tetrachloroethane | 0.00 | 0.00 | ppbv | 0 |
| Chlorobenzene | 0.00 | 0.00 | ppbv | 0 |
| 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 |

| | |
|---|---|
| Octane | ppbv |
| Tetrachloroethene | ppbv |
| | |
| 1,1,1,2-Tetrachloroethane | ppbv |
| Chlorobenzene | ppbv |
| 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 |

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1809
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1769
308

| | 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 | |

| | | | | | |
|---|---|---|---|---|---|
| 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 | |

| | | | | | |
|---|---|---|---|---|---|
| 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 |

| | | | | | |
|---|---|---|---|---|---|
| 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 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 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 |
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| 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 |
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| 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 |
| 1.095918367 | -11.06838439 | 14.95243261 | -0.002595056 | 0.418266818 | 11.83236035 | 0.040492651 |
| 1.102040816 | -22.23742994 | 13.58229528 | 0.04102804 | -0.221281629 | 5.563826674 | 0.285765225 |
| 1.080612245 | 0.677819688 | 4.246947754 | -0.002709615 | 0.127928612 | 3.961778759 | 0.01658631 |
| 1.007142857 | 42.38058627 | 47.5017867 | 0.022606865 | 5.492688112 | 29.33598504 | 0.175177978 |
| 1.083673469 | -8.725560257 | 16.05096109 | -0.002206453 | -0.254353899 | 12.78670308 | 0.062306327 |
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| 0.973469388 | -26.59358833 | 18.84576933 | 0.018502084 | -0.571896523 | 10.50059006 | 0.20025123 |

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| 0.005656466 | 0.006163191 |
| 0.006640025 | 0.006688442 |
| 0.00441604 | 0.005060046 |
| 0.00330177 | 0.003332724 |
| 0.003761731 | 0.003804834 |
| 0.005862954 | 0.005887383 |
| 0.002445888 | 0.002438244 |
| 0.003623102 | 0.003238147 |
| 0.004817533 | 0.005364523 |
| 0.004868908 | 0.005086995 |
| 0.009954869 | 0.010805181 |
| 0.006703881 | 0.007262538 |
| 0.004252705 | 0.004655826 |
| 0.002982059 | 0.003323753 |
| 0.007048253 | 3.59755E-05 |
| 0.008007021 | 0.008757679 |
| 0.024049382 | 0.020943004 |
| 0.003816979 | 0.004214581 |
| 0.004951705 | 0.005570668 |
| 0.00440421 | 0.004762052 |
| 0.00497384 | 0.005414232 |
| 0.006134583 | 0.006965308 |
| 0.194543057 | 0.203864912 |
| 0.008314354 | 0.018109702 |
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| 0.014379333 | 0.015337956 |
| 0.00445972 | 0.00497073 |
| 0.009397953 | 0.010327959 |
| 0.005454865 | 0.006017398 |
| 0.005723001 | 0.006277417 |
| 0.003114941 | 0.003510798 |
| 0.003171013 | 0.006929984 |
| 0.001194031 | 0.001317166 |
| 0.007916213 | 0.017341453 |
| 0.004280977 | 0.004529973 |
| 0.013144688 | 0.013989704 |
| 0.003010958 | 0.003287474 |
| 0.008459997 | 0.009072915 |
| 0.021775673 | 0.02386436 |
| 0.276837441 | 0.305086159 |
| 0.004864171 | 0.005256282 |
| 0.114660872 | 0.115479879 |
| 0.004835659 | 0.005240275 |
| 0.003365472 | 0.00723233 |
| 0.353289648 | 0.385734615 |
| 0.006711231 | 0.014285335 |
| 0.005750696 | 0.005598127 |

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|---|---|---|
| 162466 | 844 | 1079 |
| 158564 | 1444 | 1579 |
| 155898 | 15224 | 13199 |
| 133827 | 0 | 0 |
| 62205 | 4491 | 4007 |
| 92944 | 1121 | 881 |
| 156832 | 4635 | 5416 |
| 314893 | 7280 | 6023 |
| 111310 | 839 | 883 |
| 110366 | 1398 | 1211 |
| 21640 | 3323 | 3504 |
| 20030 | 0 | 0 |
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| 129562 | 4246 | 3777 |
| 236270 | 66291 | 61893 |
| 17101 | 0 | 0 |
| 103516 | 302067 | 438611 |
| 68075 | 1481 | 0 |
| 99400 | 0 | 0 |
| 30738 | 510 | 444 |
| 50808 | 0 | 0 |
| 165329 | 13485 | 12157 |
| 3431 | 1676 | 1785 |
| 107797 | 1509 | 0 |
| 93887 | 589 | 570 |
| 52399 | 2676 | 1997 |
| 113789 | 0 | 0 |
| 21925 | 329 | 290 |
| 111301 | 860 | 792 |
| 117206 | 1195 | 971 |
| 126271 | 281 | 248 |
| 137938 | 5479 | 5003 |
| 136043 | 3733 | 3724 |
| 107034 | 0 | 0 |
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| 62443 | 0 | 0 |
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| 89697 | 3017 | 2666 |
| 33001 | 0 | 0 |
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| 102376 | 1780 | 1616 |
| 8947 | 0 | 0 |
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| 353555 | 1999 | 1769 |
| 35375 | 0 | 0 |
| 172285 | 1786 | 1457 |
| 25744 | 0 | 0 |

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|---|---|---|
| 985 | 833 | 817 |
| 1263 | 915 | 928 |
| 11637 | 4175 | 9532 |
| 39204 | 0 | 0 |
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| 942 | 1160 | 1081 |
| 742 | 1332 | 1063 |
| 7369 | 4014 | 3402 |
| 597 | 428 | 506 |
| 1154 | 1242 | 1180 |
| 1857 | 1579 | 2059 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 3933 | 3620 | 3855 |
| 52554 | 98320 | 47786 |
| 0 | 0 | 0 |
| 33040 | 18656 | 25131 |
| 1205 | 623 | 756 |
| 291 | 191 | 0 |
| 361 | 0 | 0 |
| 0 | 0 | 0 |
| 2979 | 0 | 0 |
| 328 | 0 | 0 |
| 1514 | 905 | 1059 |
| 264 | 266 | 452 |
| 1797 | 1478 | 1559 |
| 0 | 0 | 0 |
| 237 | 0 | 0 |
| 244 | 443 | 220 |
| 1130 | 0 | 537 |
| 0 | 0 | 0 |
| 1500 | 1645 | 1042 |
| 538 | 1028 | 770 |
| 0 | 0 | 0 |
| 3294 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 3459 | 313 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1610 | 1518 | 1659 |
| 0 | 0 | 0 |
| 378 | 370 | 363 |
| 1397 | 1212 | 1773 |
| 0 | 0 | 0 |
| 1755 | 738 | 893 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 871 | 819 | 160059 |
| 1306 | 890 | 155783 |
| 16233 | 2063 | 137857 |
| 0 | 0 | 130375 |
| 1537 | 696 | 62900 |
| 1177 | 1226 | 91529 |
| 1295 | 607 | 163594 |
| 3265 | 5165 | 216646 |
| 655 | 423 | 113343 |
| 1431 | 1395 | 110413 |
| 2520 | 0 | 48140 |
| 0 | 0 | 43091 |
| 0 | 0 | 158003 |
| 4341 | 4384 | 156299 |
| 50413 | 8063 | 266664 |
| 713 | 0 | 61629 |
| 30861 | 5238 | 84772 |
| 890 | 346 | 70326 |
| 172 | 142 | 101735 |
| 146 | 0 | 29601 |
| 0 | 0 | 47518 |
| 7439 | 0 | 162359 |
| 676 | 0 | 3510 |
| 1097 | 589 | 104452 |
| 465 | 0 | 94541 |
| 1448 | 1327 | 51992 |
| 0 | 0 | 110919 |
| 230 | 0 | 21851 |
| 341 | 106 | 112465 |
| 1561 | 0 | 118695 |
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| 2820 | 806 | 136361 |
| 821 | 356 | 140603 |
| 0 | 0 | 107490 |
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| 2316 | 0 | 63063 |
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| 10243 | 0 | 86870 |
| 0 | 0 | 33346 |
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| 1550 | 1520 | 105894 |
| 0 | 0 | 8819 |
| 438 | 389 | 29550 |
| 1532 | 1245 | 354484 |
| 0 | 0 | 32830 |
| 2086 | 544 | 173770 |
| 0 | 0 | 24627 |

| | | |
|---|---|---|
| 765 | 1122 | 1302 |
| 1136 | 1619 | 1580 |
| 5788 | 18440 | 18273 |
| 0 | 0 | 0 |
| 1661 | 4812 | 4845 |
| 907 | 1266 | 1078 |
| 985 | 7088 | 6935 |
| 3347 | 4623 | 5781 |
| 473 | 2172 | 2070 |
| 1417 | 1389 | 1337 |
| 2136 | 0 | 0 |
| 0 | 0 | 9505 |
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| 32814 | 106565 | 106743 |
| 0 | 9566 | 9505 |
| 10671 | 36739 | 35061 |
| 702 | 2670 | 2445 |
| 142 | 403 | 447 |
| 224 | 381 | 516 |
| 0 | 0 | 0 |
| 0 | 171531 | 172152 |
| 0 | 20262 | 20198 |
| 680 | 0 | 0 |
| 323 | 1017 | 1040 |
| 1529 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 690 | 666 |
| 322 | 1188 | 1285 |
| 428 | 9052 | 9581 |
| 0 | 252 | 226 |
| 1193 | 5411 | 5341 |
| 677 | 5500 | 5620 |
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| 0 | 23780 | 24673 |
| 0 | 0 | 0 |
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| 0 | 1620 | 1895 |
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| 1434 | 1805 | 2721 |
| 0 | 0 | 0 |
| 794 | 8902 | 9350 |
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| 1582 | 1453 | 2083 |
| 1353 | 1540 | 2665 |
| 15563 | 15913 | 26274 |
| 10824 | 0 | 0 |
| 8731 | 7770 | 10407 |
| 1085 | 0 | 1042 |
| 8288 | 7164 | 7008 |
| 6499 | 6735 | 6707 |
| 1379 | 1198 | 1761 |
| 1256 | 1237 | 1250 |
| 11591 | 0 | 0 |
| 28473 | 0 | 0 |
| 0 | 0 | 0 |
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| 162403 | 0 | 369621 |
| 28473 | 43718 | 71541 |
| 39642 | 44278 | 89636 |
| 1682 | 2634 | 7802 |
| 313 | 580 | 10005 |
| 854 | 0 | 21162 |
| 0 | 0 | 233139 |
| 289544 | 162242 | 436551 |
| 36525 | 19188 | 53891 |
| 10632 | 14807 | 32585 |
| 1430 | 1664 | 2215 |
| 1500 | 1979 | 15308 |
| 235 | 0 | 0 |
| 1012 | 656 | 0 |
| 1321 | 1438 | 0 |
| 15392 | 8764 | 33854 |
| 269 | 321 | 469 |
| 7211 | 5542 | 7278 |
| 5669 | 6539 | 7372 |
| 0 | 0 | 0 |
| 222821 | 113938 | 483550 |
| 45565 | 23425 | 95769 |
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| 189687 | 94445 | 421106 |
| 0 | 0 | 5953 |
| 0 | 0 | 0 |
| 1951 | 2124 | 2386 |
| 0 | 0 | 0 |
| 1242 | 2012 | 2541 |
| 2720 | 1946 | 4930 |
| 0 | 0 | 0 |
| 17966 | 11381 | 41614 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
| 2572 | 3283 | 749 |
| 2425 | 3081 | 696 |
| 18584 | 20747 | 1614 |
| 0 | 0 | 0 |
| 12659 | 8623 | 0 |
| 0 | 1132 | 0 |
| 7239 | 6945 | 424 |
| 4380 | 5693 | 2332 |
| 1469 | 1703 | 404 |
| 0 | 1214 | 1090 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 4707 | 0 | 0 |
| 5919 | 0 | 3612 |
| 0 | 0 | 5913 |
| 94740 | 79092 | 0 |
| 99688 | 128788 | 4301 |
| 5273 | 5646 | 332 |
| 625 | 712 | 0 |
| 4723 | 1390 | 0 |
| 0 | 0 | 0 |
| 503718 | 278353 | 0 |
| 62022 | 32790 | 0 |
| 38010 | 33550 | 401 |
| 2525 | 2651 | 0 |
| 2322 | 1678 | 1199 |
| 893 | 0 | 0 |
| 2672 | 1884 | 0 |
| 1682 | 1617 | 0 |
| 44019 | 24492 | 384 |
| 382 | 447 | 0 |
| 8119 | 13753 | 800 |
| 7701 | 8155 | 290 |
| 0 | 0 | 0 |
| 619369 | 340759 | 0 |
| 122456 | 67721 | 0 |
| 15171 | 0 | 0 |
| 529370 | 286397 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2816 | 2300 | 1315 |
| 0 | 0 | 0 |
| 2936 | 3775 | 0 |
| 5929 | 6707 | 997 |
| 0 | 0 | 0 |
| 48377 | 27483 | 0 |
| 0 | 0 | 0 |

| | | |
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| 143624 | 696 | 4552 |
| 138614 | 720 | 3831 |
| 123687 | 4419 | 33943 |
| 115708 | 0 | 0 |
| 57388 | 2240 | 12090 |
| 82736 | 1225 | 1568 |
| 146279 | 1286 | 6920 |
| 181293 | 2975 | 5192 |
| 102718 | 444 | 1708 |
| 99284 | 1121 | 1327 |
| 42121 | 1738 | 0 |
| 39759 | 0 | 44074 |
| 139059 | 0 | 0 |
| 140454 | 0 | 0 |
| 225567 | 101567 | 383464 |
| 52626 | 0 | 48212 |
| 115664 | 16138 | 153881 |
| 132685 | 552 | 8444 |
| 111887 | 0 | 895 |
| 26026 | 0 | 6566 |
| 42921 | 115 | 0 |
| 145754 | 0 | 572638 |
| 36450 | 0 | 71276 |
| 91703 | 837 | 24733 |
| 82639 | 313 | 2211 |
| 46445 | 1450 | 5241 |
| 97609 | 0 | 0 |
| 19663 | 0 | 3075 |
| 100729 | 0 | 1856 |
| 105414 | 0 | 51597 |
| 111475 | 0 | 395 |
| 119795 | 1556 | 28135 |
| 122082 | 875 | 7339 |
| 95262 | 0 | 6035 |
| 93139 | 0 | 741393 |
| 55699 | 0 | 143362 |
| 60169 | 0 | 0 |
| 77018 | 367 | 617616 |
| 28681 | 0 | 0 |
| 34169 | 0 | 0 |
| 92386 | 0 | 3353 |
| 7830 | 0 | 0 |
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| 312205 | 1295 | 10365 |
| 28189 | 0 | 0 |
| 140987 | 971 | 57153 |
| 21681 | 0 | 0 |

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| 5263 | 7142 | 8083 |
| 4604 | 6582 | 5903 |
| 34206 | 57442 | 30163 |
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| 1179 | 3185 | 1594 |
| 7097 | 6193 | 6437 |
| 5721 | 4726 | 5705 |
| 1429 | 1501 | 1937 |
| 1291 | 1257 | 1406 |
| 0 | 0 | 0 |
| 41692 | 24366 | 13371 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 362146 | 329047 | 298970 |
| 48164 | 24366 | 13371 |
| 158881 | 273010 | 359289 |
| 7125 | 12602 | 39454 |
| 1098 | 1355 | 2749 |
| 6923 | 2431 | 1969 |
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| 575606 | 300056 | 136207 |
| 70193 | 37228 | 15956 |
| 25072 | 13669 | 8052 |
| 2251 | 1682 | 1147 |
| 1623 | 1727 | 1241 |
| 0 | 174 | 317 |
| 2873 | 2036 | 1540 |
| 1853 | 1242 | 1183 |
| 51133 | 16682 | 5685 |
| 421 | 392 | 390 |
| 28414 | 39834 | 27232 |
| 7115 | 5970 | 4486 |
| 5671 | 0 | 744 |
| 730526 | 284377 | 145540 |
| 142566 | 49020 | 15360 |
| 0 | 0 | 0 |
| 611335 | 211817 | 58854 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2960 | 2035 | 2086 |
| 0 | 0 | 0 |
| 3165 | 2682 | 3655 |
| 9752 | 7990 | 6533 |
| 0 | 0 | 0 |
| 57093 | 21931 | 8414 |
| 181 | 0 | 0 |

| | | |
|---|---|---|
| 4159 | 2657 | 1671 |
| 3265 | 2604 | 1456 |
| 21494 | 18486 | 10859 |
| 0 | 0 | 0 |
| 6983 | 5224 | 31885 |
| 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 |
| 101589 | 53893 | 16538 |
| 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 |
| 486 | 52061 | 1291 |
| 1146 | 74609 | 23280 |
| 339 | 136042 | 732 |
| 2013 | 164975 | 1957 |
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| 0 | 7306 | 0 |
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| 5584 | 5677 | 5649 |
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| 1220 | 1275 | 2846 |
| 927 | 901 | 1152 |
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| 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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| 18701 | 18677 | 14624 |
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| 0 | 0 | 0 |
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| 0 | 0 | 0 |
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| 2251 | 3156 |
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| 11146 | 13395 |
| 5816 | 0 |
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| 3680 | 7161 |
| 901 | 1217 |
| 1018 | 929 |
| 4227 | 10215 |
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| 1691 | 3093 |
| 268 | 486 |
| 880 | 1070 |
| 0 | 0 |
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| 1135 | 1201 |
| 0 | 0 |
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| 891 | 994 |
| 953 | 2243 |
| 250 | 323 |
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| 0 | 43 |
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| 0.317104231 | 0.542550114 |
| 0.020006134 | 0.105541218 |
| 0.611993058 | 11.19391509 |
| 0.003370121 | 0.02486297 |
| -0.000143211 | 0.002083596 |
| 0.035137914 | 0.041417538 |
| -0.002630827 | -0.002630827 |
| 0.166714016 | 0.166325001 |
| 1.236730998 | 1.269804695 |
| 0.011448982 | 0.011448982 |
| 0.00103731 | 0.000258702 |
| 0.033611608 | 0.034752348 |
| 0.013707065 | 0.013707065 |
| 0.029044472 | 0.036662075 |
| 0.008784239 | 0.00956911 |
| 0.02421018 | 0.035161622 |
| -0.004801768 | -0.004310201 |
| 0.064576542 | 0.059754938 |
| 0.024955197 | 0.022632664 |
| 0.011646211 | 0.011646211 |
| 0.046947474 | 0.083251797 |
| 0.008205976 | 0.024427912 |
| 0.009465692 | 0.010151356 |
| 0.060962518 | 0.10133511 |
| -0.002595056 | -0.002595056 |
| 0.04102804 | 0.04102804 |
| 0.010166552 | 0.009418303 |
| 0.022606865 | 0.022606865 |
| 0.052883825 | 0.080101498 |
| 0.028610564 | 0.040258231 |
| 0.060989282 | 0.060989282 |
| 0.031479512 | 0.046101311 |
| 0.018502084 | 0.018502084 |

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|---|---|---|
| 0.003713256 | 0.003263617 | 0.003495434 |
| 0.007673474 | 0.008694574 | 0.007170917 |
| 0.025574156 | 0.03283327 | 0.029739396 |
| 0 | 0 | 0 |
| 0.02147303 | 0.01247395 | 0.024844397 |
| 0.008443712 | 0.005940956 | 0.010578431 |
| 0.001914812 | 0 | 0.00259901 |
| 0.004788985 | 0.001485911 | 0.001987517 |
| 0 | 0 | 0.000265052 |
| 0.005901494 | 0.007015021 | 0.006159062 |
| 0.027337306 | 0.036456246 | 0.034470714 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.017198618 | 0.018172279 | 0 |
| 0.326680524 | 0.097431984 | 0.387906869 |
| 0 | 0 | 0 |
| 0.159764388 | 0.088361985 | 0.157162623 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0.004525067 | 0.011022552 | 0.004525067 |
| 0 | 0 | 0 |
| 0.010021576 | 0.010021576 | 0.010021576 |
| 0.010128441 | 0.010128441 | 0.010128441 |
| 0.018689897 | 0.016766276 | 0.019065916 |
| 0 | 0 | 0 |
| 0.036145833 | 0.036428339 | 0.039124738 |
| 0.013707065 | 0.013707065 | 0.013707065 |
| 0.008424562 | 0.008424562 | 0.008424562 |
| 0.004523478 | 0.00361683 | 0.001393719 |
| 0.015993998 | 0.019066414 | 0.015993998 |
| 0 | 0 | 0 |
| 0.01160369 | 0.008815925 | 0.012329797 |
| 0.004455591 | 0.002485838 | 0.004279386 |
| 0.011646211 | 0.011646211 | 0.011646211 |
| 0.009024407 | 0.009024407 | 0.009024407 |
| 0 | 0 | 0 |
| 0.009465692 | 0.009465692 | 0.009465692 |
| 0.017670672 | 0.014084522 | 0.018847878 |
| 0 | 0 | 0 |
| 0.04102804 | 0.04102804 | 0.04102804 |
| 0.009566697 | 0 | 0 |
| 0.022606865 | 0.022606865 | 0.022606865 |
| 0.00909295 | 0.007820086 | 0.010455634 |
| 0.024428384 | 0.024899224 | 0.025107887 |
| 0.060989282 | 0.060989282 | 0.060989282 |
| 0.024549823 | 0.024745881 | 0.026842738 |
| 0.018502084 | 0.018502084 | 0.018502084 |

| | |
|---|---|
| 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 | 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 |
| 1.058163265 | -10.89128012 | 11.2391768 | 0.020566877 | 0.011776453 | 8.0917654 | 0.07176648 |
| 0.753061224 | -188.6242011 | 42.43859932 | 0.016159904 | -3.505587541 | 19.12770243 | 0.31068303 |
| 1.124489796 | -5.692249917 | 15.05334252 | 0.005770729 | -0.176306222 | 12.73463557 | 0.040999488 |
| 1.070408163 | -1.816608591 | 4.363639173 | 0.021098394 | 0.005987556 | 2.800620439 | 0.105517589 |
| 2.12755102 | -0.769668423 | 2.979526945 | 0.018557261 | -0.005315275 | 1.892197159 | 0.129879865 |
| 1.063265306 | -5.392154527 | 7.204889375 | 0.028860779 | -0.024433568 | 4.440862236 | 0.117559639 |
| 0.546938776 | -1.71491242 | 4.602876707 | 0.11933918 | 2.559948231 | 3.050650267 | 0.134088584 |
| 1.066326531 | -1.21083078 | 6.342436454 | 0.008603558 | 0.034165878 | 5.057227548 | 0.058391598 |
| 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 |
| 1.067346939 | -3.977985698 | 5.908282541 | 0.031941592 | -0.032503461 | 3.222751475 | 0.143568939 |
| 1.171428571 | -2.358895446 | 8.411733662 | 0.008177705 | -0.126951227 | 7.081710175 | 0.019149249 |
| 1.125 | 1.531744314 | 2.936807 | -0.005070606 | 0.603548347 | 3.278798114 | -0.040067945 |
| 1.123958333 | 0.132221914 | 3.427691667 | -0.002778093 | 0.155407257 | 3.052009398 | 0.008632833 |
| 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 |
| 1.044791667 | -0.02911255 | 3.606574009 | 0.008402262 | 0.327746707 | 2.827313032 | 0.057070893 |
| 2.063541667 | -1.804021576 | 3.796539807 | 0.035093533 | 0.021828007 | 1.624796709 | 0.178970894 |
| 1.125 | -25.0260588 | 13.76483904 | 0.110868788 | -0.087891061 | 3.465794405 | 0.456097939 |
| 1.126041667 | 0.002520049 | 2.906045823 | 0.014064988 | 0.115163132 | 2.743896947 | -0.003383766 |
| 2.141666667 | -0.10284077 | 1.07840862 | 0.041727336 | 0.015378496 | 0.712293148 | 0.091406979 |
| 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 |
| 0 | | | | 0.030928549 | 1.092278059 | 0.241952936 |
| 1.021875 | -0.776148446 | 2.57444179 | 0.012528592 | 0.029856078 | 1.108493699 | 0.200139898 |
| 1.04375 | -0.918806327 | 2.796064658 | 0.031947427 | 0.03700032 | 1.285644299 | 0.183811702 |
| 2.097916667 | -0.073787722 | 0.932478117 | 0.036285586 | 0.017051395 | 0.551043968 | 0.100598083 |
| 2.120833333 | -0.042800866 | 0.850573989 | 0.041902601 | 0.018853013 | 0.469398516 | 0.135483157 |
| 1.09375 | -0.195541974 | 1.584344492 | 0.028893889 | 0.053297341 | 0.895770583 | 0.122623367 |
| 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 |
| 1.107291667 | 1.419198445 | 2.728721193 | 0.040148938 | 0.442117202 | 1.278368652 | 0.220662398 |
| 1.109375 | 2.851521384 | 1.650751918 | 0.05338539 | 0.546873812 | 0.746947702 | 0.272042178 |
| 1.046875 | -0.216343846 | 2.163342195 | 0.048585857 | 0.16861904 | 1.03885196 | 0.204441768 |
| 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 |

| | |
|---|---|
| 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 |

| | | |
|---|---|---|
| 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 |
| 119123 | 0 | 1346 |
| 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 |
| 0 | 0 | 0 |
| 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 |
| 0 | 0 | 112154 |
| 0 | 0 | 112154 |
| 0 | 0 | 96217 |
| 0 | 0 | 281040 |
| 0 | 0 | 287970 |
| 0 | 0 | 167230 |
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| 0 | 0 | 106194 |
| 0 | 0 | 69334 |
| 0 | 0 | 76682 |
| 1230 | 0 | 112417 |
| 0 | 0 | 202768 |
| 0 | 0 | 112722 |
| 0 | 0 | 86153 |
| 319 | 0 | 161830 |
| 0 | 0 | 84502 |
| 0 | 0 | 101994 |
| 0 | 0 | 290225 |
| 1141 | 0 | 108943 |
| 662 | 0 | 95990 |
| 1011 | 0 | 148436 |

| | | |
|---|---|---|
| 7340 | 191167 | 191250 |
| 295 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1005 | 2220302 | 2224818 |
| 0 | 574 | 458 |
| 0 | 0 | 0 |
| 1067 | 1270 | 1284 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 1345 | 1599 |
| 205 | 173 | 200 |
| 432 | 0 | 0 |
| 403 | 0 | 0 |
| 1103 | 4367 | 4114 |
| 1115 | 5135 | 5119 |
| 1079 | 5236 | 6220 |
| 1246 | 1060 | 1021 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 442 | 0 | 0 |
| 1225 | 4193 | 3716 |
| 0 | 11591 | 463 |
| 207596 | 226457 | 221404 |
| 1279 | 694 | 518 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 1135 |
| 2015 | 741 | 0 |
| 0 | 1283 | 0 |
| 1020 | 0 | 0 |
| 0 | 0 | 0 |
| 1004 | 0 | 0 |
| 0 | 0 | 0 |
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| 1025 | 45015 | 44380 |
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| 1086 | 0 | 985 |
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| 0 | 0 | 3294 |
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| 2616 | 5811 | 2946 |
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| 1154 | 1221 | 1346 |
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| 2384 | 4169 | 0 |
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| 5264 | 1960 | 3349 |
| 1034 | 853 | 859 |
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| 2742 | 1393 | 786 |
| 224867 | 179714 | 191283 |
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| 0 | 68266 | 941 |
| 0 | 104968 | 1466 |

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| 91924 | 92324 | 1192263 |
| 348 | 404 | 856 |
| 0 | 0 | 1215 |
| 795 | 828 | 930 |
| 510 | 0 | 1266 |
| 0 | 0 | 0 |
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| 282 | 343 | 474 |
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| 0 | 0 | 0 |
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| 1995 | 2117 | 5044 |
| 1906 | 2142 | 4265 |
| 804 | 772 | 884 |
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| 576 | 386 | 1008 |
| 174963 | 180696 | 181300 |
| 491 | 618 | 944 |
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| 0 | 0 | 945 |
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| 75630 | 105196 |
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| 517 | 1863 |
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| 3245 | 8315 |
| 869 | 981 |
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| 713 | 1363 |
| 177829 | 199114 |
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| 0.062714627 | 0.063273983 | 0.079044387 |
| 0.033738797 | 0.034721446 | 0.043520573 |
| 0.021069374 | 0.020390466 | 0.021303778 |
| 0.035093533 | 0.035093533 | 0.035093533 |
| 0.110868788 | 0.110868788 | 0.110868788 |
| 0.014064988 | 0.014064988 | 0.014064988 |
| 0.048563716 | 0.047830122 | 0.05621047 |
| 0.051331266 | 0.047948273 | 0.057513671 |
| 0 | 0 | 0 |
| 0.02530094 | 0.026345916 | 0.028692522 |
| 0 | 0 | 0 |
| 0.012528592 | 0.012528592 | 0.012528592 |
| 0.031947427 | 0.031947427 | 0.056610048 |
| 0.036285586 | 0.036285586 | 0.039850469 |
| 0.041902601 | 0.045571529 | 0.047638565 |
| 0.028893889 | 0.028893889 | 0.028893889 |
| 0.041639953 | 0.041639953 | 0.041639953 |
| 0.020245732 | 0.014021974 | 0.020952249 |
| 0.040148938 | 0.040148938 | 0.040148938 |
| 0.05338539 | 0.05338539 | 0.05338539 |
| 0.1568165 | 0.067450708 | 0.107830751 |
| 0.031570722 | 0.031570722 | 0.031570722 |
| 0.032734524 | 0.032616602 | 0.04140731 |
| 0.048122897 | 0.048122897 | 0.048122897 |
| 0.070496754 | 0.035294252 | 0.142916284 |
| 0.046188521 | 0.046188521 | 0.046188521 |
| 0.057379349 | 0.057379349 | 0.057379349 |
| 0.065491987 | 0.065491987 | 0.065491987 |
| 0.068199293 | 0.068211097 | 0.049186679 |
| 0.030928297 | 0.029840407 | 0.029082977 |
| 0.052030497 | 0.048860267 | 0.053389809 |

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|---|---|
| 1.197906015 | 1.550539135 |
| 0.020566877 | 0.020566877 |
| 0.016159904 | 0.016159904 |
| 0.005770729 | 0.005770729 |
| 0.030036974 | 0.044839625 |
| 1.573140837 | 16.27068873 |
| 0.03720883 | 0.058355561 |
| 0.125499897 | 0.137371674 |
| 0.022468681 | 0.022605312 |
| 0.046380401 | 0.05949952 |
| 0.014646467 | 0.014646467 |
| 0.054532064 | 0.080530919 |
| 0.014874411 | 0.014035438 |
| -0.005070606 | -0.005070606 |
| -0.002778093 | -0.002778093 |
| 0.028150722 | 0.04746056 |
| 0.063633143 | 0.106254445 |
| 0.039179167 | 0.058619359 |
| 0.021240093 | 0.021628469 |
| 0.035093533 | 0.035093533 |
| 0.110868788 | 0.110868788 |
| 0.014064988 | 0.014064988 |
| 0.049540838 | 0.070049963 |
| 0.05293167 | 0.061529459 |
| 0 | 0 |
| 0.025984183 | 0.028859996 |
| 0 | 0 |
| 0.065118639 | 0.124809359 |
| 0.031947427 | 0.070747262 |
| 0.036285586 | 0.043288209 |
| 0.041902601 | 0.053837399 |
| 0.028893889 | 0.028893889 |
| 0.041639953 | 0.050294308 |
| 0.014021974 | 0.014021974 |
| 0.040148938 | 0.040148938 |
| 0.05338539 | 0.05338539 |
| 0.074466294 | 0.082660891 |
| 0.031570722 | 0.066161162 |
| 0.0337697 | 0.047509234 |
| 0.048122897 | 0.048122897 |
| 0.0784666 | 0.126730664 |
| 0.046188521 | 0.046188521 |
| 0.057379349 | 0.064658608 |
| 0.065491987 | 0.065491987 |
| 0.064230379 | 0.069289738 |
| 0.027986858 | 0.027708491 |
| 0.054013102 | 0.049520502 |

| | | |
|---|---|---|
| 0.027929247 | 0.132440481 | 0.027929247 |
| 0.024116879 | 0.026675249 | 0.026307741 |
| 0.016159904 | 0.016159904 | 0.016159904 |
| 0.005770729 | 0.005770729 | 0.005770729 |
| 0.021098394 | 0.021098394 | 0.021098394 |
| 0.023347339 | 0.024074266 | 0.022674061 |
| 0.028860779 | 0.028860779 | 0.028860779 |
| 0.11933918 | 0.11933918 | 0.11933918 |
| 0.021732578 | 0.021073237 | 0.019021558 |
| 0.039074221 | 0.039074221 | 0.039074221 |
| 0.014646467 | 0.014646467 | 0.014646467 |
| 0.038234575 | 0.031941592 | 0.038625015 |
| 0.008177705 | 0.011355978 | 0.008177705 |
| 0 | 0 | 0 |
| 0 | 0.002263045 | 0 |
| 0.022227057 | 0.024630052 | 0.021756577 |
| 0.054694673 | 0.056214318 | 0.053432658 |
| 0.027669789 | 0.02892521 | 0.028459826 |
| 0.022179974 | 0.024800383 | 0.020513505 |
| 0.035093533 | 0.035093533 | 0.035093533 |
| 0.110868788 | 0.110868788 | 0.110868788 |
| 0.014064988 | 0.018752285 | 0.014064988 |
| 0.04483933 | 0.046546052 | 0.044097785 |
| 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 |

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

---

(#) = 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 |
| --- | --- | |
| | 110818012 | 110818012 |
| Ambient | Ambient dup | |
| 1872732 | 1872732 | |
| 7296445 | 7296445 | |
| 1928263 | 1928263 | |
| | | |
| 109217 | 109217 | |
| 79208 | 79208 | |
| 2198 | 2198 | |
| 10871 | 10871 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 449507 | 449507 | |
| 14894 | 14894 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 25448 | 25448 | |
| 15781 | 15781 | |
| 11636 | 11636 | |
| 38618 | 38618 | |
| 1039708 | 1039708 | |
| 0 | 0 | |
| 1327 | 1327 | |
| 41328 | 41328 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |
| 26464 | 26464 | |
| 0 | 0 | |
| 43547 | 43547 | |
| 0 | 0 | |
| 0 | 0 | |
| 22922 | 22922 | |
| 0 | 0 | |
| 0 | 0 | |
| 0 | 0 | |

| | | |
|---|---|---|
| 1587 | 877 | 657 |
| 2218 | 2443 | 2331 |
| --- | --- | --- |
| 111318010 | | |
| System blank | Batch Blank 2 | Trip Blank |
| 1480076 | NA | 448525 |
| 5127555 | NA | 1547630 |
| 1493331 | NA | 561236 |
| | | |
| 72439 | NA | 44669 |
| 60165 | NA | 31860 |
| 1813 | NA | 0 |
| 21772 | NA | 4737 |
| 0 | NA | 24502 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 354674 | NA | 256438 |
| 12792 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 8685 | NA | 0 |
| 0 | NA | 0 |
| 4010 | NA | 584 |
| 21275 | NA | 22208 |
| 7297 | NA | 2328 |
| 196819 | NA | 6417 |
| 29404 | NA | 12420 |
| 531497 | NA | 556645 |
| 0 | NA | 0 |
| 0 | NA | 589 |
| 14969 | NA | 9358 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2294 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 1134 |
| 0 | NA | 19219 |
| 0 | NA | 0 |
| 34031 | NA | 14258 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 217993 | NA | 14930 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |

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

| Field Blank | Inst blank | 1 ppb |
|---|---|---|
| 438877 | NA | NA |
| 1508200 | NA | NA |
| 554465 | NA | NA |
| | | |
| 42127 | NA | NA |
| 31531 | NA | NA |
| 1570 | NA | NA |
| 3874 | NA | NA |
| 17758 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 253345 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 997 | NA | NA |
| 21749 | NA | NA |
| 1531 | NA | NA |
| 10256 | NA | NA |
| 11824 | NA | NA |
| 630705 | NA | NA |
| 0 | NA | NA |
| 1104 | NA | NA |
| 7804 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 2763 | NA | NA |
| 0 | NA | NA |
| 1127 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 12841 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 10077 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |

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

| batch blank 1 | Sample 1 | Sample 1dup |
|---|---|---|
| 426438 | NA | NA |
| 1427120 | NA | NA |
| 474414 | NA | NA |
| | | |
| 39932 | NA | NA |
| 30696 | NA | NA |
| 1114 | NA | NA |
| 5106 | NA | NA |
| 16819 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 254694 | NA | NA |
| 0 | NA | NA |
| 3188 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 1021 | NA | NA |
| 17284 | NA | NA |
| 0 | NA | NA |
| 6565 | NA | NA |
| 4468 | NA | NA |
| 315803 | NA | NA |
| 0 | NA | NA |
| 609 | NA | NA |
| 6092 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 12284 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 17572 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |

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

--- --- ---

| Sample 2 | Sample 3 | Sample 4 |
|---|---|---|
| 323482 | 1532702 | 1448952 |
| 951794 | 5363513 | 4860468 |
| 261395 | 1365735 | 1281611 |
| | | |
| 13772 | 76548 | 70370 |
| 12292 | 58363 | 54342 |
| 660 | 2678 | 2407 |
| 1326 | 5877 | 5462 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 99435 | 382931 | 344866 |
| 0 | 0 | 11713 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 756 |
| 7662 | 41426 | 40426 |
| 0 | 3226 | 3798 |
| 0 | 16736 | 0 |
| 1726 | 15074 | 31809 |
| 94748 | 607559 | 1120168 |
| 0 | 0 | 0 |
| 487 | 1731 | 1999 |
| 2772 | 32917 | 53386 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 2199 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 1345 | 0 |
| 4244 | 27379 | 0 |
| 0 | 0 | 0 |
| 6471 | 36422 | 32637 |
| 0 | 0 | 0 |
| 168 | 0 | 512 |
| 2493 | 14611 | 44660 |
| 0 | 0 | 0 |
| 150 | 0 | 0 |
| 0 | 0 | 0 |

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

---

| Sample 5 | Sample 6 | Inst blank |
|---|---|---|
| 441695 | 301926 | NA |
| 1538394 | 892984 | NA |
| 565617 | 240491 | NA |
| | | |
| 46315 | 12496 | NA |
| 31029 | 9280 | NA |
| 2760 | 577 | NA |
| 4542 | 0 | NA |
| 28607 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 265047 | 97707 | NA |
| 8188 | 0 | NA |
| 4429 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 46799 | 6615 | NA |
| 1326 | 0 | NA |
| 24622 | 0 | NA |
| 22173 | 1566 | NA |
| 1926520 | 93696 | NA |
| 0 | 0 | NA |
| 2293 | 447 | NA |
| 43139 | 1519 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 1677 | 0 | NA |
| 3419 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 11131 | 4588 | NA |
| 0 | 0 | NA |
| 13060 | 6410 | NA |
| 0 | 1768 | NA |
| 0 | 0 | NA |
| 4834 | 2717 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |

| | | | |
|---|---|---|---|
| | 39347 | 0 | 31318 |
| | 175679 | 1796 | 1976 |
| --- | --- | --- | --- |
| 1 ppb | | batch blank 1 | Sample 7 |
| | NA | 426438 | 292492 |
| | NA | 1427120 | 997686 |
| | NA | 474414 | 344165 |
| | | | |
| | NA | 39932 | 31610 |
| | NA | 30696 | 0 |
| | NA | 1114 | 0 |
| | NA | 5106 | 0 |
| | NA | 16819 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 254694 | 186951 |
| | NA | 0 | 0 |
| | NA | 3188 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 1021 | 0 |
| | NA | 17284 | 25736 |
| | NA | 0 | 0 |
| | NA | 6565 | 29198 |
| | NA | 4468 | 15318 |
| | NA | 315803 | 550222 |
| | NA | 0 | 0 |
| | NA | 609 | 0 |
| | NA | 6092 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 12284 | 10534 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 17572 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |
| | NA | 0 | 0 |

| | | |
|---|---|---|
| 31675 | 38623 | 23472 |
| 1574 | 2721 | 9587 |
| --- | --- | --- |
| Sample 7dup | Sample 8 | Sample 9 |
| 292492 | 282704 | 421407 |
| 997686 | 930259 | 1424464 |
| 344165 | 359433 | 491549 |
| | | |
| 31610 | 0 | 41678 |
| 0 | 24833 | 28749 |
| 0 | 0 | 1075 |
| 0 | 0 | 2404 |
| 0 | 0 | 13898 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 186951 | 168751 | 242480 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 25736 | 11441 | 14223 |
| 0 | 0 | 0 |
| 29198 | 0 | 6864 |
| 15318 | 0 | 5141 |
| 550222 | 172791 | 397453 |
| 0 | 0 | 10350 |
| 0 | 0 | 460 |
| 0 | 0 | 12435 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 10534 | 10385 | 12001 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 3643 | 4351 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 2547 |

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

| Sample 10 | Sample 11 | Sample 12 |
|---|---|---|
| 1381863 | NA | 432404 |
| 4509352 | NA | 1441742 |
| 1134132 | NA | 501476 |
| | | |
| 63815 | NA | 42350 |
| 56076 | NA | 30416 |
| 5124 | NA | 1359 |
| 5902 | NA | 3466 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 320642 | NA | 245107 |
| 0 | NA | 0 |
| 10116 | NA | 3529 |
| 321724 | NA | 950 |
| 0 | NA | 17089 |
| 0 | NA | 2149 |
| 0 | NA | 545 |
| 70883 | NA | 20724 |
| 4154 | NA | 499 |
| 11953 | NA | 0 |
| 9910 | NA | 25586 |
| 251078 | NA | 283163 |
| 7925 | NA | 0 |
| 4211 | NA | 1068 |
| 8837 | NA | 4704 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2851 | NA | 1429 |
| 3390 | NA | 373 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 5103 |
| 0 | NA | 0 |
| 32152 | NA | 12390 |
| 0 | NA | 0 |
| 917 | NA | 250 |
| 11601 | NA | 4325 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |

| | | |
|---|---|---|
| 0 | 34603 | 800 |
| 1044 | 155267 | 4405 |
| --- | --- | --- |
| Inst blank | 1 ppb | batch blank 1 |
| NA | NA | 426438 |
| NA | NA | 1427120 |
| NA | NA | 474414 |
| NA | NA | 39932 |
| NA | NA | 30696 |
| NA | NA | 1114 |
| NA | NA | 5106 |
| NA | NA | 16819 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 254694 |
| NA | NA | 0 |
| NA | NA | 3188 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 1021 |
| NA | NA | 17284 |
| NA | NA | 0 |
| NA | NA | 6565 |
| NA | NA | 4468 |
| NA | NA | 315803 |
| NA | NA | 0 |
| NA | NA | 609 |
| NA | NA | 6092 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 12284 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 17572 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |

| | | |
|---|---|---|
| 3011 | 2467 | 2889 |
| 1795 | 1613 | 1990 |
| --- | --- | --- |
| Sample 13 | Sample 13dup | Sample 14 |
| 145242 | 145242 | 289265 |
| 621227 | 621227 | 941851 |
| 298763 | 298763 | 363759 |
| | | |
| 59970 | 59970 | 0 |
| 44894 | 44894 | 0 |
| 534 | 534 | 0 |
| 0 | 0 | 0 |
| 44397 | 44397 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 174934 | 174934 | 168438 |
| 0 | 0 | 0 |
| 2109 | 2109 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 108465 | 108465 | 14956 |
| 0 | 0 | 0 |
| 0 | 0 | 10222 |
| 2430 | 2430 | 13106 |
| 170817 | 170817 | 303724 |
| 4096 | 4096 | 0 |
| 349 | 349 | 0 |
| 5678 | 5678 | 6583 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 6170 | 6170 | 8948 |
| 0 | 0 | 0 |
| 1869 | 1869 | 8702 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 2297 | 2297 | 4012 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1625 | 1625 | 0 |

| | | |
|---|---|---|
| | 2882 | 2711 |
| | 1610 | 1993 |
| --- | --- | |
| | | Blanks |
| Sample 15 | Sample 16 | |
| | 1180274 | 134062 |
| | 4323830 | 603208 |
| | 994660 | 320317 |
| | | |
| | 0 | 41503 |
| | 0 | 28976 |
| | 0 | 1394 |
| | 0 | 0 |
| | 0 | 37888 |
| | 0 | 1378 |
| | 0 | 1026 |
| | 296696 | 149402 |
| | 0 | 0 |
| | 0 | 9570 |
| | 0 | 0 |
| | 0 | 716 |
| | 0 | 0 |
| | 0 | 0 |
| | 0 | 55910 |
| | 0 | 655 |
| | 0 | 9007 |
| | 0 | 1799 |
| | 279810 | 206606 |
| | 0 | 9390 |
| | 0 | 2572 |
| | 34915 | 5684 |
| | 0 | 1471 |
| | 0 | 0 |
| | 0 | 3812 |
| | 0 | 1050 |
| | 0 | 1939 |
| | 0 | 2023 |
| | 12590 | 7222 |
| | 0 | 1308 |
| | 32228 | 1064 |
| | 0 | 1052 |
| | 0 | 1617 |
| | 41391 | 3478 |
| | 0 | 1425 |
| | 0 | 1051 |
| | 0 | 2464 |

| | | | |
|---|---|---|---|
| | 0.330607837 | 0.006515061 | 0.005267618 |
| | 0.96864081 | 0.008935029 | 0.008462215 |
| | | | |
| data file | | 110818012 | 110818012 |
| | Ambient | Ambient dup | |

| | | | |
|---|---|---|---|
| | 0.006064752 | 0.00339796 | 0.002488146 |
| | 0.008476131 | 0.00946547 | 0.008827807 |
| | 111318010 | | 1116180004 |
| System blank | Batch Blank 2 | Trip Blank | |

| | | | |
|---|---|---|---|
| | 0.00472081 | 0 | 0.218971417 |
| | 0.008955372 | 0.006512095 | 0.86202606 |
| | | | |
| | 111618002 | | |
| Field Blank | Inst blank | 1 ppb | |

| | | | |
|---|---|---|---|
| | 0.010210449 | 0.009734893 | 0.009359891 |
| | 0.021147088 | 0.008192668 | 0.006731808 |
| | 111418017 | | |
| batch blank 1 | Sample 1 | Sample 1dup | |

| | | | | | |
|---|---|---|---|---|---|
| | 0.020650788 | | 0.031261535 | | 0.011583972 |
| | 0.007989851 | | 0.010014256 | | 0.006906183 |
| | | | | | |
| | 110618008 | | 111318008 | | 111318012 |
| Sample 2 | | Sample 3 | | Sample 4 | |

| | | | | | |
|---|---|---|---|---|---|
| | 0.015331298 | | 0.066364397 | | 0 |
| | 0.005338161 | | 0.010368854 | | 0.005354966 |
| | | | | | |
| | 111518007 | | 110618010 | | |
| Sample 5 | | Sample 6 | | Inst blank | |

| | | | |
|---|---|---|---|
| | 0.196310968 | 0 | 0.098966974 |
| | 0.876501756 | 0.00774238 | 0.006244292 |
| | | | |
| | | 111418017 | 111418008 |
| 1 ppb | batch blank 1 | Sample 7 | |

| | | | |
|---|---|---|---|
| | 0.102734839 | 0.125778319 | 0.080482511 |
| | 0.005105119 | 0.008861114 | 0.032872607 |
| | | | |
| | 111418008 | 111418010 | 111418001 |
| Sample 7dup | | Sample 8 | Sample 9 |

| | | |
|---|---|---|
| 0.12928253 | 0.026079237 | 0.009611861 |
| 0.008549208 | 0.016455596 | 0.008193783 |
| | | |
| 111318014 | | 111518010 |
| Sample 10 | Sample 11 | Sample 12 |

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

111418017

Inst blank 1 ppb batch blank 1

| | | |
|---|---|---|
| 0.013153756 | 0.010622403 | 0.011691055 |
| 0.007841578 | 0.006945252 | 0.008053029 |
| | | |
| 3071904 | 3071904 | 111418012 |
| Sample 13 | Sample 13dup | Sample 14 |

| | | | |
|---|---|---|---|
| | 0.011805476 | | 0.010134769 |
| | 0.006595009 | | 0.007450607 |
| | | | |
| | 111318001 | | 30719007 |
| Sample 15 | | Sample 16 | |

| | | |
|---|---|---|
| 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 |

| | |
|---|---|
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 91127 | 91127 |
| 0 | 0 |
| 41473 | 41473 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1098 | 1098 |
| 6929 | 6929 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 17512 | 17512 |
| 0 | 0 |
| 5008 | 5008 |
| 0 | 0 |
| 0 | 0 |
| | |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 2946 | 2946 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 97626 | 97626 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 1474 | 1474 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |

| | | |
|---|---|---|
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 443389 | NA | 64280 |
| 0 | NA | 0 |
| 83426 | NA | 58748 |
| 3895 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 1409 | NA | 0 |
| 4766 | NA | 415 |
| 2366 | NA | 0 |
| 1542 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 6688 | NA | 1487 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| | NA | |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2551 | NA | 936 |
| 0 | NA | 1967 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 1935 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |

| | | |
|---|---|---|
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 54486 | NA | NA |
| 0 | NA | NA |
| 36132 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 1763 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
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| 0 | NA | NA |
| 0 | NA | NA |
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| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |

| | | |
|---|---|---|
| 0 | NA | NA |
| 0 | NA | NA |
| 3638 | NA | NA |
| 50151 | NA | NA |
| 0 | NA | NA |
| 9904 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 1419 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
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| 0 | NA | NA |
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| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |

| | | |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 0 | 1040 |
| 0 | 1268 | 5224 |
| 16549 | 45829 | 116978 |
| 0 | 0 | 0 |
| 7550 | 53066 | 98505 |
| 0 | 0 | 0 |
| 0 | 0 | 1805 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 237 | 0 | 0 |
| 0 | 0 | 2601 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 842 | 5380 | 4607 |
| 0 | 362 | 0 |
| 0 | 0 | 0 |
| | | |
| 956 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 635 | 2550 | 2096 |
| 0 | 0 | 1152 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 359098 | 68336 |
| 0 | 18883 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 1563 | 1453 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 410 | 0 |
| 0 | 0 | 0 |

| | | |
|---|---|---|
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| 0 | 0 | NA |
| 0 | 0 | NA |
| 80384 | 11805 | NA |
| 0 | 0 | NA |
| 71556 | 5967 | NA |
| 1245 | 830 | NA |
| 0 | 0 | NA |
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| 0 | 0 | NA |
| 1154 | 0 | NA |
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| 0 | 0 | NA |
| 0 | 0 | NA |
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| 0 | 0 | NA |
| 0 | 0 | NA |
| 1794 | 1009 | NA |
| 801 | 0 | NA |
| 0 | 0 | NA |
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| 0 | 589 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
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| 0 | 0 | NA |
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| 0 | 0 | NA |
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| 829 | 595 | NA |
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| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 137252 | 0 | NA |
| 6216 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |

| | | |
|---|---|---|
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 3638 | 0 |
| NA | 50151 | 83818 |
| NA | 0 | 0 |
| NA | 9904 | 32185 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 1419 | 1932 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | | |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 15404 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
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| NA | 0 | 0 |
| NA | 0 | 0 |
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| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |

| | | |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 487 |
| 83818 | 10714 | 2150 |
| 0 | 0 | 0 |
| 32185 | 16838 | 8328 |
| 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 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1932 | 0 | 1576 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| | | |
| 0 | 0 | 1252 |
| 0 | 0 | 0 |
| 15404 | 0 | 0 |
| 0 | 0 | 0 |
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| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
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| | | |
|---|---|---|
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 813 |
| 13277 | NA | 68126 |
| 0 | NA | 0 |
| 14892 | NA | 13055 |
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| 0 | NA | 0 |
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| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 4905 | NA | 2116 |
| 1265 | NA | 0 |
| 0 | NA | 0 |
| | NA | |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2386 | NA | 912 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2327 | NA | 740 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |

| | | |
|---|---|---|
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 3638 |
| NA | NA | 50151 |
| NA | NA | 0 |
| NA | NA | 9904 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 1419 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
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| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
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| NA | NA | 0 |
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| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |

| | | |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 45106 | 45106 | 36458 |
| 0 | 0 | 0 |
| 10720 | 10720 | 24654 |
| 287 | 287 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 183 | 183 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 839 | 839 | 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 |
| 0 | 0 | 0 |
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| 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 | 1583 |
| 0 | 1425 |
| 0 | 39893 |
| 0 | 396 |
| 0 | 17472 |
| 0 | 1587 |
| 0 | 913 |
| 0 | 371 |
| 0 | 453 |
| 0 | 2208 |
| 0 | 0 |
| 0 | 1252 |
| 0 | 1120 |
| 0 | 518 |
| 0 | 738 |
| 0 | 0 |
| 0 | 1036 |
| 0 | 1056 |
| 0 | 1265 |
| 0 | 1953 |
| 0 | 1364 |
| 0 | 0 |
| | |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1484 |
| 0 | 0 |
| 0 | 0 |
| 0 | 984 |
| 0 | 0 |
| 0 | 385 |
| 0 | 3286 |
| 0 | 0 |
| 0 | 1221 |
| 0 | 0 |
| 0 | 0 |
| 0 | 509 |
| 0 | 0 |
| 0 | 245 |
| 0 | 1387 |
| 0 | 1842 |
| 0 | 515 |
| 0 | 756 |
| 0 | 450 |
| 0 | 876 |

| | |
|---|---|
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| | |
| 0 | 0 |
| 1215 | 1215 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 530 | 530 |
| 0 | 0 |
| 0 | 0 |
| 1265 | 1265 |
| 0 | 0 |
| 0 | 0 |
| 1191508 | 1191508 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 2537 | 2537 |
| 0 | 0 |
| 3565 | 3565 |
| 0 | 0 |
| 1692 | 1692 |
| 0 | 0 |
| 1934 | 1934 |
| 0 | 0 |
| 11936 | 11936 |
| 2308 | 2308 |
| 0 | 0 |
| 95456 | 95456 |
| 1911 | 1911 |

| | | |
|---|---|---|
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| | NA | |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 894306 | NA | 277454 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 1402 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 1483 | NA | 1395 |
| 0 | NA | 0 |
| 2097 | NA | 0 |
| 0 | NA | 0 |
| 2386 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2521 | NA | 0 |
| 5141 | NA | 5284 |
| 5547 | NA | 0 |
| 25451 | NA | 0 |
| 11089 | NA | 9059 |
| 3242 | NA | 397 |

| | | |
|---|---|---|
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 261711 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 2628 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 2823 | NA | NA |
| 0 | NA | NA |
| 2138 | NA | NA |
| 0 | NA | NA |
| 1229 | NA | NA |
| 0 | NA | NA |
| 1549 | NA | NA |
| 0 | NA | NA |
| 22035 | NA | NA |
| 760 | NA | NA |
| 9445 | NA | NA |
| 71596 | NA | NA |
| 823 | NA | NA |

| | | |
|---|---|---|
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 201622 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
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| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 1809 | NA | NA |
| 0 | NA | NA |
| 0 | NA | NA |
| 1769 | NA | NA |
| 308 | NA | NA |

| | | |
|---|---|---|
| 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 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 112864 | 661782 | 664193 |
| 0 | 0 | 1403 |
| 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 |
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| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 1581 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 2053 | 1218 |
| 0 | 0 | 1319 |
| 1752 | 0 | 0 |
| 2651 | 8153 | 5826 |
| 557 | 1240 | 1053 |

| | | |
|---|---|---|
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| | | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
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| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 264759 | 113646 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 556 | 0 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 2199 | NA |
| 0 | 862 | NA |
| 0 | 0 | NA |
| 0 | 580 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 2241 | NA |
| 0 | 0 | NA |
| 0 | 1355 | NA |
| 0 | 0 | NA |
| 0 | 0 | NA |
| 0 | 1081 | NA |
| 0 | 1191 | NA |
| 0 | 0 | NA |
| 0 | 8350 | NA |
| 0 | 372 | NA |
| 0 | 4685 | NA |
| 9635 | 10296 | NA |
| 339 | 424 | NA |

| | | |
|---|---|---|
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | | |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 201622 | 187210 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
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| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 1809 | 0 |
| NA | 0 | 0 |
| NA | 0 | 0 |
| NA | 1769 | 14651 |
| NA | 308 | 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 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 187210 | 125882 | 214094 |
| 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 |
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| 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 |
| 14651 | 0 | 5129 |
| 0 | 0 | 322 |

| | | |
|---|---|---|
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| | NA | |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 586889 | NA | 213660 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
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| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 839 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 0 | NA | 863 |
| 0 | NA | 0 |
| 0 | NA | 0 |
| 2188 | NA | 15745 |
| 1004 | NA | 460 |

| | | |
|---|---|---|
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 201622 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 1809 |
| NA | NA | 0 |
| NA | NA | 0 |
| NA | NA | 1769 |
| NA | NA | 308 |

| | | |
|---|---|---|
| 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 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 225920 | 225920 | 186375 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 473 | 473 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 679 | 679 | 0 |
| 630 | 630 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 673 | 673 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 1266 | 1266 | 0 |
| 2514 | 2514 | 2721 |
| 2645 | 2645 | 0 |
| 3672 | 3672 | 0 |
| 3001 | 3001 | 6508 |
| 10449 | 10449 | 0 |

| | |
|---|---|
| 0 | 0 |
| 0 | 776 |
| 0 | 414 |
| | |
| 0 | 723 |
| 0 | 561 |
| 0 | 1511 |
| 0 | 1150 |
| 0 | 1498 |
| 0 | 380 |
| 0 | 0 |
| 0 | 0 |
| 0 | 637 |
| 0 | 1308 |
| 0 | 346 |
| 630311 | 222345 |
| 0 | 733 |
| 0 | 521 |
| 0 | 486 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 571 |
| 0 | 0 |
| 0 | 554 |
| 0 | 0 |
| 0 | 0 |
| 10038 | 766 |
| 0 | 839 |
| 0 | 543 |
| 0 | 0 |
| 0 | 552 |
| 0 | 0 |
| 0 | 0 |
| 0 | 0 |
| 0 | 1163 |
| 0 | 602 |
| 0 | 948 |
| 0 | 1735 |
| 8564 | 0 |

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

dilution factor

Compound
---
Internal Standards
d5 chlorobenzene response

Target Compounds
4:2 fluorotelomer alcohol
6:2 fluorotelomer alcohol
8:2 fluorotelomer alcohol

Internal Standards
d5 chlorobenzene

Target Compounds
4:2 fluorotelomer alcohol
6:2 fluorotelomer alcohol
8:2 fluorotelomer alcohol

Associated Blanks

Internal Standards
d5 chlorobenzene response

Target Compounds
4:2 fluorotelomer alcohol
6:2 fluorotelomer alcohol
8:2 fluorotelomer alcohol

*6:2 and 8:2 Fluorotelomer alcohols dropped over time but 4:2 cal standard did nto
NA=Not Analyzed
ND=Not Detected

samples
associated blanks

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 1 | | 1 |
| 032219020.D | | 041219002.D | | 041219004.D | |
| Fluorotelomer std | | Inst blank | | Ambient | |
| | | | | 744 | |
| Response | | Response | | Response | |
| | 9876701 | | 3430255 | | 4350077 |
| | 6665454 | | 0 | | 0 |
| | 2802001 | | 0 | | 0 |
| | 4544760 | | 0 | | 0 |
| | Conc (ppb) | | | | |
| | 20 | | | | |
| | 11.82 | N.D. | | N.D. | |
| | 11.59 | N.D. | | N.D. | |
| | 8.88 | N.D. | | N.D. | |

| | | |
|---|---|---|
| 032219020.D | | 110818012 |
| | 43652468 | |
| | N.D. | |
| | N.D. | |
| | N.D. | |

| | | |
|---|---|---|
| 1 | 1 | 1 |
| 041219006.D | 041219007.D | 041219009.D |
| Ambient dup | System blank | Batch Blank 2 |
| 744 | BTP1 | "N1" |
| Response | Response | Response |
| 4295150 | 3571269 | 3523249 |
| 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. |
| 110818012 | 111318010 | |
| 43652468 | 8407705.51 | |
| N.D. | N.D. | |
| N.D. | N.D. | |
| N.D. | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| | | | 1 | | 1 |
| 041219011.D | | 041219013.D | | 041519002.D | |
| Trip Blank | | Field Blank | | Inst blank | |
| RK8 Trip Blank | | "021" FB | | | |
| Response | | Response | | Response | |
| | 3672212 | | 3554009 | | 3495543 |
| | 0 | | 1601 | | |
| | 0 | | 0 | | |
| | 0 | | 0 | | |
| | N.D. | | 0.01 | | N.D. |
| | N.D. | | N.D. | | N.D. |
| | N.D. | | N.D. | | N.D. |
| | 111618004 | | 111618002 | | |
| | 8968950.453 | | 8845899.44 | | |
| N.D. | | N.D. | | | |
| N.D. | | N.D. | | | |
| N.D. | | N.D. | | | |

| | | | |
|---|---|---|---|
| | 1 | 1 | 2.561403509 |
| 041519004.D | 041519005.D | 041519006.D | |
| fluorotelomer std | batch blank 1 | Sample 1 | |
| | "068" | NP1 | |
| Response | Response | Response | |
| 5627414 | 3751443 | 4162168 | |
| | | | |
| 4958679 | 0 | 3442 | |
| 381515 | 0 | 0 | |
| 506011 | 0 | 0 | |
| | | | |
| 15.43 | N.D. | 0.025614035 | |
| 2.77 | N.D. | N.D. | |
| 1.74 | N.D. | N.D. | |
| | | | |
| | 111418017 | | |
| | | | |
| d | | | |
| | 8145753.76 | | |
| | | | |
| | N.D. | NA | |
| | N.D. | NA | |
| | N.D. | NA | |

| | | | |
|---|---|---|---|
| | 2.561403509 | 2.7 | 2.646017699 |
| 041519007.D | 041519009.D | 041519011.D | |
| Sample 1dup | Sample 2 | Sample 3 | |
| NP1 | 721 | 2504 | |
| Response | Response | Response | |
| | 4118915 | 4310327 | 4214647 |
| | | | |
| | 3468 | 8952 | 5536 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | | | |
| | 0.025614035 | 0.108 | 0.052920354 |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |
| | | | |
| | | 110618008 | 11318008 |
| | | | |
| | | 5223231.00 | 30073265.09 |
| NA | N.D. | N.D. | |
| NA | N.D. | N.D. | |
| NA | N.D. | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| | 2.622807018 | | 2.622807018 | | 2.614035088 |
| 041519013.D | | 041519015.D | | 041519017.D | |
| Sample 4 | | Sample 5 | | Sample 6 | |
| A378 | | 262 | | 404 | |
| Response | | Response | | Response | |
| | 4361686 | | 4319492 | | 4285880 |
| | 23819 | | 26878 | | 14590 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | 0.262280702 | | 0.288508772 | | 0.156842105 |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |
| | 111318012 | | 111518007 | | 110618010 |
| | 22118186.05 | | 8983255.43 | | 4820477.27 |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| | 1 | | 1 | | 1 |
| 041619002.D | | 041619004.D | | 041619005.D | |
| Inst blank | | fluorotelomer std | | batch blank 1 | |
| | | | | "068" | |
| Response | | Response | | Response | |
| | 3059046 | | 4867593 | | 3120002 |
| | | | | | |
| | 0 | | 3885668 | | 0 |
| | 0 | | 280104 | | 0 |
| | 0 | | 425963 | | 0 |
| | | | | | |
| N.D. | | 13.98 | | N.D. | |
| N.D. | | 2.35 | | N.D. | |
| N.D. | | 1.69 | | N.D. | |
| | | | | | |
| | | | | | 111418017 |
| | | | | | |
| | | | | | 8145753.76 |
| | | | | N.D. | |
| | | | | N.D. | |
| | | | | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| | 2.637168142 | | 2.637168142 | | 2.601769912 |
| 041619006.D | | 041619007.D | | 041619009.D | |
| Sample 7 | | Sample 7dup | | Sample 8 | |
| 751 | | 751 | | MTC48 | |
| Response | | Response | | Response | |
| | 4218827 | | 4117760 | | 4077393 |
| | | | | | |
| | 40427 | | 43558 | | 7887 |
| | 0 | | 0 | | 0 |
| | 0 | | 0 | | 0 |
| | | | | | |
| | 0.448318584 | | 0.501061947 | | 0.078053097 |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |
| | | | | | |
| | 111418008 | | 111418008 | | 111418010 |
| | | | | | |
| | 5970359.45 | | 5970359.45 | | 5650121.40 |
| | | | | | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |
| N.D. | | N.D. | | N.D. | |

| | | | | | |
|---|---|---|---|---|---|
| | 2.669642857 | | 2.584070796 | | 2.561403509 |
| 041619011.D | | 041619013.D | | 041619015.D | |
| Sample 9 | | Sample 10 | | Sample 11 | |
| 700 | | 2521 | | 651 | |
| Response | | Response | | Response | |
| | 3882711 | | 3627258 | | 3296947 |
| | | | | | |
| | 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. | |
| | | | | | |
| | 111418021 | | 111318014 | | |
| | | | | | |
| | 8009182.78 | | 24685050.31 | | |
| N.D. | | N.D. | | NA | |
| N.D. | | N.D. | | NA | |
| N.D. | | N.D. | | NA | |

| | | | |
|---|---|---|---|
| | 2.693693694 | | |
| 041619017.D | | 041719002.D | 041719004.D |
| Sample 12 | | Inst blank | fluorotelomer std |
| 793 | | | |
| Response | | Response | Response |
| | 3402995 | 2811538 | 4157593 |
| | | | |
| | 0 | 0 | 2904280 |
| | 0 | 0 | 146273 |
| | 0 | 0 | 228455 |
| | | | |
| N.D. | | N.D. | 12.24 |
| N.D. | | N.D. | 1.44 |
| N.D. | | N.D. | 1.06 |
| | | | |
| | 111518010 | | |
| | | | |
| | 8407705.51 | | |
| | | | |
| N.D. | | | |
| N.D. | | | |
| N.D. | | | |

| | | | |
|---|---|---|---|
| | | 2.622807018 | 2.622807018 |
| 041719005.D | 041719006.D | 041719007.D | |
| batch blank 1 | Sample 13 | Sample 13dup | |
| "068" | RK9 | RK9 | |
| Response | Response | Response | |
| 3045674 | 3121062 | 3169959 | |
| | | | |
| 0 | 0 | 3553 | |
| 0 | 0 | 0 | |
| 0 | 0 | 0 | |
| | | | |
| N.D. | N.D. | 0.05245614 | |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |
| | | | |
| 111418017 | 30718004 | 30718004 | |
| | | | |
| 8145753.76 | 4131014.23 | 4131014.23 | |
| | | | |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |
| N.D. | N.D. | N.D. | |

| | | | |
|---|---|---|---|
| | 2.565217391 | 2.7 | 2.865384615 |
| 041719009.D | 041719011.D | 041719013.D | |
| Sample 14 | Sample 15 | Sample 16 | |
| 253 | 723 | 321 | |
| Response | Response | Response | |
| | 3353403 | 3275290 | 3635786 |
| | | | |
| | 3956 | 0 | 0 |
| | 0 | 0 | 0 |
| | 0 | 0 | 0 |
| | | | |
| | 0.051304348 | N.D. | N.D. |
| N.D. | N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. | N.D. |
| | | | |
| | 111418012 | 111318001 | 30719007 |
| | | | |
| | 5481788.93 | 22118186.05 | 4359488.00 |
| | | | |
| N.D. | N.D. | N.D. | N.D. |
| N.D. | N.D. | N.D. | N.D. |
| N.D. | 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 | |

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(#) = 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 |

Batch blank 1

can 68 Data File Name 111418017.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| d5 chlorobenzene | 18.37 | 20.00 | ppbv | 8145753.755 | 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 |

Ambient

c an 744 Data File Name 110818012.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| d5 chlorobenzene | 18.36 | 20.00 | ppbv | 43652468.41 | 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 |

Sample 2 blank
Can 721 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 |

System Blank
can BTP1 Data File Name 111318010.D

| Name | Ret Time | Amount | Units | Target Response | Q1 Signal |
|---|---|---|---|---|---|
| d5 chlorobenzene | 18.36 | 20 | ppbv | 31473784.98 | 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 |

Sample 3 blank
can 2504 Data File Name 111318008.D

| Name | Ret Time | Amount | Units | Target Response |
|---|---|---|---|---|
| d5 chlorobenzene | 18.37 | 20.00 | ppbv | 30073265.09 |
| 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 |
| 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 |
| 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 |

Trip Blank
can RK8 Data File Name 111618004.D

| Name | Ret Time | Amount | Units | Target Response |
|---|---|---|---|---|
| d5 chlorobenzene | 18.37 | 20.00 | ppbv | 8968950.453 |
| 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 |
| 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 |
| 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv | 0 |

Sample 4 blk
A378 Data File Name 111318012.D

| Q1 Signal | Name | Ret Time | Amount | Units |
|---|---|---|---|---|
| 82.05 | d5 chlorobenzene | 18.36 | 20.00 | ppbv |
| 95 | 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 95.1 | 6:2 fluorotelomer alcohol | 17.35 | 0.07 | ppbv |
| 69.1 | 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |

Field Blank
can 021 Data File Name 111618002.D

| Q1 Signal | Name | Ret Time | Amount | Units |
|---|---|---|---|---|
| 82.05 | d5 chlorobenzene | 18.37 | 20.00 | ppbv |
| 95 | 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 95.1 | 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 69.1 | 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |

s5 blank
can 262

Data File Name 111518007.D

| Target Response | Q1 Signal | Name | Ret Time | Amount | Units |
|---|---|---|---|---|---|
| 27939659.02 | 82.05 | d5 chlorobenzene | 18.37 | 20.00 | ppbv |
| 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 46622.335 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |

| Target Response | Q1 Signal |
|---|---|
| 8845899.435 | 82.05 |
| 0 | 95 |
| 0 | 95.1 |
| 0 | 69.1 |

s6 blank
can 404

Data File Name 110618010.D

| Target Response | Q1 Signal | Name | Ret Time | Amount | Units |
|---|---|---|---|---|---|
| 8983255.425 | 82.05 | d5 chlorobenzene | 18.37 | 20 | ppbv |
| 0 | 95 | 4:2 fluorotelomer alcohol | 0 | 0 | ppbv |
| 0 | 95.1 | 6:2 fluorotelomer alcohol | 0 | 0 | ppbv |
| 0 | 69.1 | 8:2 fluorotelomer alcohol | 0 | 0 | ppbv |

s7 blank
can 751

Data File Name 111418008.D

| Target Response | Q1 Signal | Name | Ret Time | Amount | Units |
|---|---|---|---|---|---|
| 4820477.265 | 82.05 | d5 chlorobenzene | 18.35 | 20.00 | ppbv |
| 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 0 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |
| 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 | 0.00 | ppbv |

s8 blank
can MTC48 Data File Name

| Target Response | Q1 Signal | Name | Ret Time | Amount |
|---|---|---|---|---|
| 5970359.446 | 82.05 | d5 chlorobenzene | 18.36 | 20.00 |
| 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 | 0.00 |
| 0 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 | 0.00 |
| 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 | 0.00 |

s9 blank

111418010.D

can 700

| Units | Target Response | Q1 Signal | Name | Ret Time |
|---|---|---|---|---|
| ppbv | 5650121.4 | 82.05 | d5 chlorobenzene | 18.37 |
| ppbv | 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 |
| ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 |
| ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 |

S10 blank

Data File Name 111418021.D

can 2521

| Amount | Units | Target Response | Q1 Signal | Name | Ret Time |
|---|---|---|---|---|---|
| 20.00 | ppbv | 8009182.78 | 82.05 | d5 chlorobenzene | 18.36 |
| 0.00 | ppbv | 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 |
| 0.00 | ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 |
| 0.00 | ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 |

S12 blank

Data File Name 111318014.D

can 793

| Amount | Units | Target Response | Q1 Signal | Name | Ret Time |
|---|---|---|---|---|---|
| 20.00 | ppbv | 24685050.31 | 82.05 | d5 chlorobenzene | 18.38 |
| 0.00 | ppbv | 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 |
| 0.00 | ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 |
| 0.00 | ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 |

S13 blank

Data File Name 111518010.D

can RK9

| Amount | Units | Target Response | Q1 Signal | Name | Ret Time |
|---|---|---|---|---|---|
| 20.00 | ppbv | 8407705.51 | 82.05 | d5 chlorobenzene | 18.39 |
| 0.00 | ppbv | 0 | 95 | 4:2 fluorotelomer alcohol | 0.00 |
| 0.00 | ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol | 0.00 |
| 0.00 | ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol | 0.00 |

Sample 14 blk

Data File Name 030719004.D

can 253

| Amount | Units | Target Response | Q1 Signal | Name |
|---|---|---|---|---|
| 20.00 | ppbv | 4131014.228 | 82.05 | d5 chlorobenzene |
| 0.00 | ppbv | 0 | 95 | 4:2 fluorotelomer alcohol |
| 0.00 | ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol |
| 0.00 | ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol |

Sample 15

Data File Name 111418012.D

can 723

| Ret Time | Amount | Units | Target Response | Q1 Signal | Name |
|---|---|---|---|---|---|
| 18.35 | 20.00 | ppbv | 5481788.931 | 82.05 | d5 chlorobenzene |
| 0.00 | 0.00 | ppbv | 0 | 95 | 4:2 fluorotelomer alcohol |
| 0.00 | 0.00 | ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol |
| 0.00 | 0.00 | ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol |

Sample 16

Data File Name 111318001.D

can 321

| Ret Time | Amount | Units | Target Response | Q1 Signal | Name |
|---|---|---|---|---|---|
| 18.36 | 20.00 | ppbv | 22118186.05 | 82.05 | d5 chlorobenzene |
| 0.00 | 0.00 | ppbv | 0 | 95 | 4:2 fluorotelomer alcohol |
| 0.00 | 0.00 | ppbv | 0 | 95.1 | 6:2 fluorotelomer alcohol |
| 0.00 | 0.00 | ppbv | 0 | 69.1 | 8:2 fluorotelomer alcohol |

Data File Name 030719007.D

| Ret Time | Amount | Units | Target Response | Signal |
|---|---|---|---|---|
| 18.39 | 20 | ppbv | 4359488 | 117 |
| 0 | 0 | ppbv | 0 | 69.1 |
| 0 | 0 | ppbv | 0 | 69.1 |
| 0 | 0 | ppbv | 0 | 95.1 |

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 |

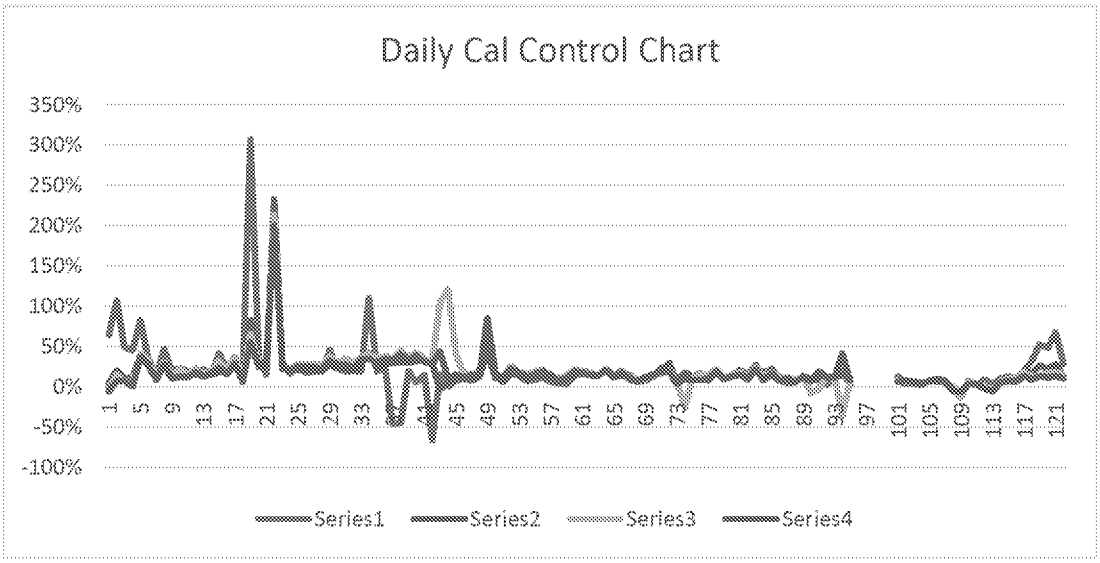
NEED TO UPDATE CALIBRATION

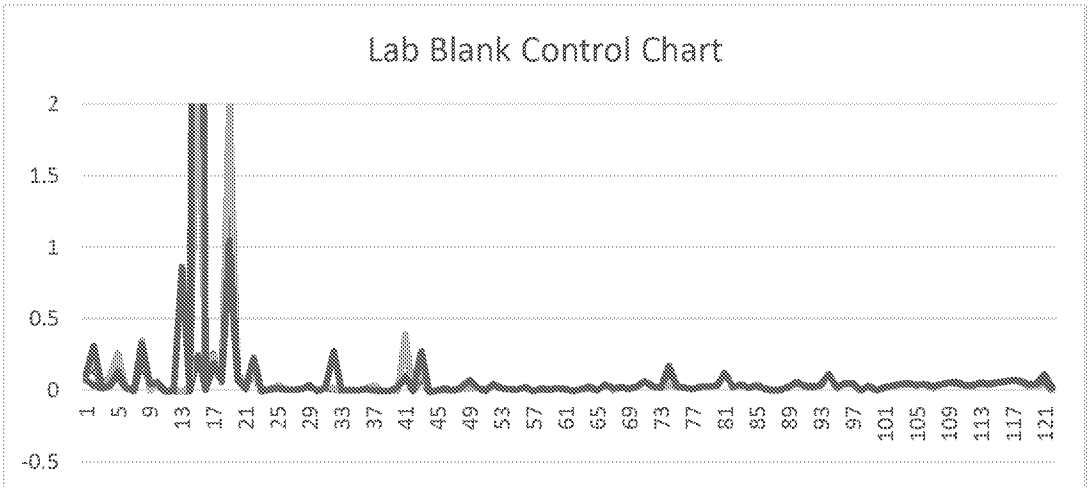
| Shaded is > 30% D | Shaded is > 30% D | Shaded is > 30% D |
|---|---|---|
| 65% | 5% | -4% |
| 107% | 20% | 15% |
| 49% | 11% | 7% |
| 45% | 11% | 4% |
| 83% | 41% | 41% |
| 35% | 26% | 32% |
| 13% | 9% | 12% |
| 47% | 31% | 30% |
| 19% | 12% | 14% |
| 23% | 19% | 22% |
| 19% | 15% | 15% |
| 17% | 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 |
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| 1.192138391 | 1.279931964 |
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| 1.18703469 | 1.239562946 |
| 1.251637806 | 1.283347453 |
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| 1.050360611 | 1.319404738 |
| 1.140386792 | 1.338329144 |
| 0.333375614 | 1.289117996 |
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| 1.126057522 | 1.07835346 |
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| 1.057907022 | 1.091989291 |
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| 1.163482403 | 1.193870802 |
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| 1.227208022 | 1.178199861 |

| | |
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| 1.272185925 | 1.252976992 |
| 1.268490893 | 1.253862779 |
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| 1.378717698 | 1.32408736 |
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| 1.3010797 | 1.231333381 |
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| 1.347966615 | 1.320666893 |
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| 1.122531042 | 1.118727078 |
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| 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 |
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| 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 |
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| 18% | | 0.011646211 |
| 17% | | 0.009024407 |
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| 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 |
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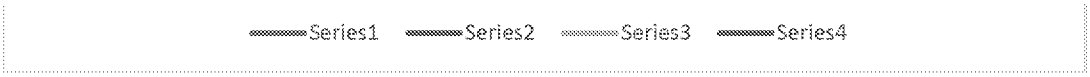
| 0.008815925 | 0.012329797 | 0.010076169 |
| 0.002485838 | 0.004279386 | 0.00247588 |
| 0.011646211 | 0.011646211 | 0.011646211 |
| 0.009024407 | 0.009024407 | 0.009024407 |
| -0.004547065 | -0.004547065 | -0.004547065 |
| 0.009465692 | 0.009465692 | 0.009465692 |
| 0.014084522 | 0.018847878 | 0.026755024 |
| -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

| | | |
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| 0.264470524 | 0.230871209 | 14% |
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| 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% |

| | | |
|---|---|---|
| 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% |
| 0.075924925 | 0.080186353 | -5% |
| -0.005194609 | -0.005319782 | -2% |
| 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% |
| 0.941858652 | 0.952090013 | -1% |
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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% |

| | | |
|---|---|---|
| 0.770367207 | 0.804718541 | -4% |
| 0.062229785 | 0.060310336 | 3% |
| 0.021328227 | 0.024887476 | -15% |
| 0.021284593 | 0.025105928 | -16% |
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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% |
| 0.005708743 | 0.005494387 | 4% |
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| 0.665436335 | 0.667964741 | 0% |
| 1.17744608 | 1.21929637 | -3% |
| 0.079500642 | 0.06403479 | 22% |
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| 0.181282153 | 0.191631827 | -6% |
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| 2.268095126 | 2.290528188 | -1% |
| 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% |
| 0.359871102 | 0.358387493 | 0% |
| -0.004391352 | -0.004238464 | 4% |
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| 0.035190927 | 0.034246138 | 3% |
| 0.057731041 | 0.055158775 | 5% |
| 5.503029304 | 5.527005972 | 0% |
| 1.897675641 | 1.920556099 | -1% |
| 0.009465692 | 0.009465692 | 0% |
| 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% |

| | | |
|---|---|---|
| 0.67856009 | 0.675306596 | 0% |
| 0.027808758 | 0.027446291 | 1% |
| 0.012288304 | 0.008667425 | 35% |
| 0.014480262 | 0.014280323 | 1% |
| 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% |
| 0.007533509 | 0.007621319 | -1% |
| 0.00491099 | 0.004366763 | 12% |
| 0.118065181 | 0.108234411 | 9% |
| -0.003487593 | -0.003487593 | 0% |
| -0.003516741 | -0.003516741 | 0% |
| 0.016556131 | -0.003399414 | 303% |
| 0.581824253 | 0.560006364 | 4% |
| 0.038894616 | -0.006570804 | 281% |
| 0.930898467 | 0.890456245 | 4% |
| 0.024460836 | 0.03538606 | -37% |
| -0.002934352 | -0.002934352 | 0% |
| 0.027277323 | 0.025507683 | 7% |
| -0.002630827 | -0.002630827 | 0% |
| 0.534994373 | 0.495720896 | 8% |
| 2.817736562 | 2.879090246 | -2% |
| 0.011448982 | 0.011448982 | 0% |
| 0.001423694 | 0.000151486 | 162% |
| 0.034244942 | 0.03127829 | 9% |
| 0.013707065 | 0.013707065 | 0% |
| 0.05077683 | 0.051679648 | -2% |
| 0.00943373 | 0.01030385 | -9% |
| 0.083813104 | 0.07748536 | 8% |
| -0.005138594 | -0.004953785 | 4% |
| 0.069900122 | 0.067778982 | 3% |
| 0.026316788 | 0.02417157 | 8% |
| 0.011646211 | 0.011646211 | 0% |
| 0.893939302 | 0.853187201 | 5% |
| 0.337557742 | 0.322148429 | 5% |
| 0.009465692 | 0.009465692 | 0% |
| 0.925958959 | 0.88914133 | 4% |
| -0.002595056 | -0.002595056 | 0% |
| 0.04102804 | 0.04102804 | 0% |
| 0.010739296 | 0.011149618 | -4% |
| 0.022606865 | 0.022606865 | 0% |
| 0.041843372 | 0.041291627 | 1% |
| 0.030305205 | 0.029167588 | 4% |
| 0.060989282 | 0.060989282 | 0% |

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|---|---|
| 1.257900506 | 1.289697795 |
| 1.08252644 | 1.05939336 |
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| 1.088450237 | 1.122416842 |
| 1.163510259 | 1.163065626 |
| 1.074145849 | 1.109433367 |
| 1.192586373 | 1.196176192 |
| 1.09384912 | 1.105714627 |
| 1.142894606 | 1.139460508 |
| 1.177201237 | 1.202056127 |
| 1.084509142 | 1.144813701 |
| 1.239990182 | 1.265696323 |
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| 1.182519856 | 1.133505503 |
| 1.126530237 | 1.083756042 |

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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% |
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| 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 |
| 19% | 0.027669789 |
| 12% | 0.022179974 |
| 11% | 0.035093533 |
| 15% | 0.110868788 |
| 9% | 0.014064988 |
| | 0.04483933 |
| 15% | 0.043833229 |
| | 0 |
| 9% | 0.025225551 |
| | 0 |
| 6% | 0.012528592 |
| 7% | 0.031947427 |
| 6% | 0.036285586 |
| 4% | 0.041902601 |
| 7% | 0.028893889 |
| 9% | 0.041639953 |
| 8% | 0.014021974 |
| -6% | 0.040148938 |
| -6% | 0.05338539 |
| 3% | 0.048585857 |
| 3% | 0.031570722 |
| -3% | 0.025802202 |
| -6% | 0.048122897 |
| 6% | 0.035294252 |
| 7% | 0.046188521 |
| 6% | 0.057379349 |
| 13% | 0.065491987 |
| 8% | 0.05699714 |

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|---|---|---|
| 0.024745881 | 0.026842738 | 0.026632675 |
| 0.018502084 | 0.018502084 | 0.018502084 |
| 0.132440481 | 0.027929247 | 0.17103238 |
| 0.026675249 | 0.026307741 | 0.027230318 |
| 0.016159904 | 0.016159904 | 0.016159904 |
| 0.005770729 | 0.005770729 | 0.005770729 |
| 0.021098394 | 0.021098394 | 0.02702887 |
| 0.024074266 | 0.022674061 | 0.024699472 |
| 0.028860779 | 0.028860779 | 0.028860779 |
| 0.11933918 | 0.11933918 | 0.11933918 |
| 0.021073237 | 0.019021558 | 0.020884837 |
| 0.039074221 | 0.039074221 | 0.039074221 |
| 0.014646467 | 0.014646467 | 0.014646467 |
| 0.031941592 | 0.038625015 | 0.031941592 |
| 0.011355978 | 0.008177705 | 0.008177705 |
| -0.000437063 | -0.005070606 | -0.000587515 |
| 0.002263045 | -0.002778093 | 0.00267916 |
| 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 |
| 0 | 0 | 0 |
| 0.030406928 | 0.024283108 | 0.030446926 |
| 0 | 0 | 0 |
| 0.012528592 | 0.012528592 | 0.020317852 |
| 0.031947427 | 0.031947427 | 0.031947427 |
| 0.043138229 | 0.036285586 | 0.042705305 |
| 0.041902601 | 0.041902601 | 0.046058507 |
| 0.034788394 | 0.028893889 | 0.033535199 |
| 0.041639953 | 0.041639953 | 0.041639953 |
| 0.023440478 | 0.014021974 | 0.024126901 |
| 0.040148938 | 0.040148938 | 0.040148938 |
| 0.05338539 | 0.05338539 | 0.05338539 |
| 0.056674651 | 0.048585857 | 0.048585857 |
| 0.036305505 | 0.031570722 | 0.036487892 |
| 0.034254035 | 0.025802202 | 0.033560376 |
| 0.050846009 | 0.048122897 | 0.048122897 |
| 0.042509161 | 0.035294252 | 0.041466696 |
| 0.052434067 | 0.046188521 | 0.051545829 |
| 0.063574252 | 0.057379349 | 0.057379349 |
| 0.068256708 | 0.065491987 | 0.068771764 |
| 0.065003644 | 0.05828026 | 0.061301248 |

| | | |
|---|---|---|
| 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% |
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| -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% |
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| 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% |

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|---|---|---|
| 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% |
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| 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% |

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| 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% |
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| 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% |
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| 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% |

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|---|---|---|
| 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 |
| --- | --- | --- |
| | | used single pt external |
| 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 |
| RECALC | RECALC | RECALC |
| 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 calc Conc | ppbv calc Conc |
|---|---|
| 20 | 20 |
| 0.12 | 0.19 |
| 0.05 | 0.06 |
| ND | ND |
| ND | ND |

| ppbv calc Conc | ppbv calc Conc |
|---|---|
| 20 | 20 |

| ppbv Sample 15 | ppbv 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

ND=Not Detected
NA=Not Analyzed
samples
associated blanks

| | | | |
|---|---|---|---|
| | 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. |

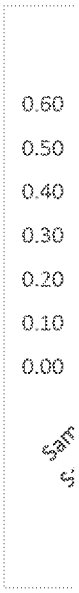
| | | |
|---|---|---|
| ppbv | ppbv | ppbv |
| | can N1 | can 793 |
| NA | N.D. | N.D. |
| NA | N.D. | N.D. |
| NA | N.D. | N.D. |
| NA | N.D. | N.D. |

| | | | | | |
|---|---|---|---|---|---|
| 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. |

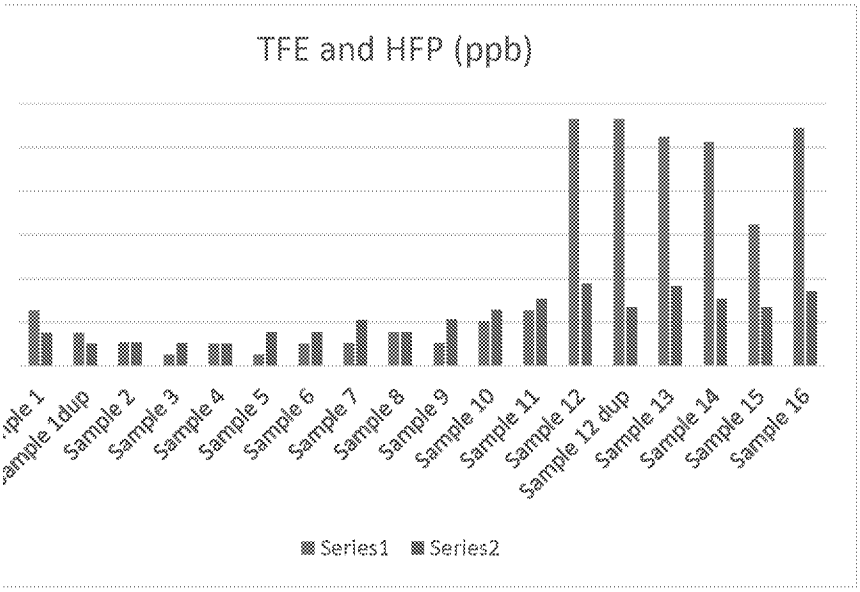
| | ppbv | ppbv | ppbv | ppbv | ppbv | ppbv |
|---|---|---|---|---|---|---|
| Target Compounds | TFE HFP E1E2 cal4 | batch blank 1 | Batch Blank 2 | Trip Blank | Trip Blank dup | Field Blank |
| TFE | 9.20 | ND | 0.01 | 0.04 | 0.02 | 0.01 |
| HFP | 4.10 | ND | 0.01 | 0.02 | 0.02 | 0.01 |
| E1 | 8.91 | 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. |
|---|---|
| Internal Standards | |
| d5 chlorobenzene | 27.003 |

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

| QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|
| 117 | 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

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 174811183 | 20 | ppbv | -0.06 |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_13.d
Acq On : 5 Mar 2019 6:20
Operator : unknown
Sample :
Misc : BLANK N1
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 23 16:28:56 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 | 27.007 | 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 16:35:46 2019

| Response | Conc | Units | Dev(Min) |
|---|---|---|---|
| 21372331 | 20 | ppbv | 0 |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2019\030419a\
Data File : 030419_7.d
Acq On : 4 Mar 2019 23:26
Operator : unknown
Sample :
Misc : BLANK 744
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 23 16:27:26 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 | 27.007 | 117 |
| | | |
| Compounds | | |
| TFE | 5.825 | 81 |
| HFP | 0 | |
| E1 | 0 | |
| E2 | 0 | |

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

Markes PFAS...,2019 quad.m Tue Jul 23 16:35:30 2019

| Response | conc | units | dev |
|---|---|---|---|
| 21372331 | 20 | ppbv | 0.01 |
| 36389 | 0.01 | ppbv | |
| | N.D. | | |
| | N.D. | | |
| | N.D. | | |

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_17.d
Acq On : 20 Nov 2018 20:30
Operator : BTP
Sample : CAN RK8-\PFAS BLANK CK
Misc : 10091809
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 23 16:31:07 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 | 27.007 | 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 16:41:31 2019

| Response | conc | units | dev |
|---|---|---|---|
| 137106319 | 20 | ppbv | 0.01 |

N.D.
N.D.
N.D.
N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_19.d
Acq On : 20 Nov 2018 22:50
Operator : BTP
Sample : CAN ID 021
Misc : 10151803
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 23 16:31:37 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 | | |
| 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 16:41:42 2019

| Response | conc | units | dev |
|---|---|---|---|
| 137093187 | 20 | ppbv | 0.01 |

N.D.
N.D.
N.D.
N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\TOF data\2018\112018\
Data File : 112018_21.d
Acq On : 21 Nov 2018 1:11
Operator : BTP
Sample : CAN ID BTP1
Misc : 10041811
ALS Vial : 0 Sample Multiplier: 1

Quant Time: Jul 23 16:32:34 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 | 26.94 | 117 |
| Compounds | | |
| TFE | 0 | N.D. |
| HFP | 0 | N.D. |
| E1 | 0 | N.D. |
| E2 | 0 | N.D. |

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

Markes PFAS...,2019 quad.m Tue Jul 23 16:42:06 2019

| Response | conc | units | dev |
|---|---|---|---|
| 149246296 | 20 | ppbv | 0.01 |

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041219005.D
Acq On : 12 Apr 2019 5:01 pm
Operator :
Sample : Ambient
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 column bleed.. Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.841 | 7.34 ppbv | 265471 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 74 |
| 3 | N-ethyl-1,3-dithioisoindoline $$... | 207 | C10H9NS2 | 035373-06-9 | 72 |
| 4 | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3 | 64 |
| 5 | 8-Methylisothiazolo[4,5-c]-2,1,3... | 207 | C8H5N3S2 | 074801-78-8 | 64 |

**********

Peak Number 2 (istd) Benzene, 1-bromo-4-fluoro- ... Concentration Rank 3

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.188 | 13.83 ppbv | 500092 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 3 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 86 |
| 4 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 83 |
| 5 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 83 |

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041219008.D
Acq On : 12 Apr 2019 7:58 pm
Operator :
Sample : System blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Unknown Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.376 | 1.46 ppbv | 47301 | Chlorobenzene-d5 | 18.396 |

| Hit# of 1 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | No Hits From C:\Database\Wiley275.L | 0 | | | 0 |

**********

Peak Number 2 (istd)4 bromo-fluoro benzene Concentration Rank 3
Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 14.22 ppbv | 461413 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 94 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 94 |
| 3 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 91 |
| 4 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 91 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 90 |

TOP_021319cal.M Thu Aug 22 10:31:09 2019

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041219010.D
Acq On : 12 Apr 2019 9:57 pm
Operator :
Sample : Batch Blank 2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 (istd) Benzene, 1-bromo-4-fluoro- ... Concentration Rank 4

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 12.30 ppbv | 390352 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 2 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 4 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 90 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 87 |

TOP_021319cal.M Thu Aug 22 10:32:15 2019

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041219012.D
Acq On : 12 Apr 2019 11:54 pm
Operator :
Sample : Trip Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Unknown Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.365 | 1.31 ppbv | 37676 | Bromochloromethane | 9.999 |

| Hit# of 1 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | No Hits From C:\Database\Wiley275.L | 0 | | | 0 |

**********

Peak Number 2 4 bromo-fluoro benzene Concentration Rank 3

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 12.15 ppbv | 362543 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 92 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 91 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 90 |
| 4 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 87 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 81 |

TOP_021319cal.M Thu Aug 22 10:32:42 2019

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041219014.D
Acq On : 13 Apr 2019 1:51 am
Operator :
Sample : Field Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

TARGET COMPOUND

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.870 | 181.07 ppbv | 5580650 | Bromochloromethane | 9.999 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 4 bromo-fluoro benzene Concentration Rank 4

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 13.85 ppbv | 420317 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 90 |
| 2 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 90 |
| 3 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 86 |
| 4 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 81 |
| 5 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 76 |

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041519008.D
Acq On : 16 Apr 2019 12:50 am
Operator :
Sample : Sample 1
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\methods\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Benzene, 1-bromo-4-fluoro- ... Concentration Rank 3

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 13.41 ppbv | 466121 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 4 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 91 |

TOP_021319cal.M Thu Aug 22 10:33:19 2019

Library Search Compound Report

TIC identified

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041519010.D
Acq On : 16 Apr 2019 2:46 am
Operator :
Sample : Sample 2
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Unknown Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.236 | 20.76 ppbv | 1787270 | Bromochloromethane | 9.989 |

| Hit# of 1 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | No Hits From C:\Database\Wiley275.L | 0 | | | 0 |

**********

Peak Number 2 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

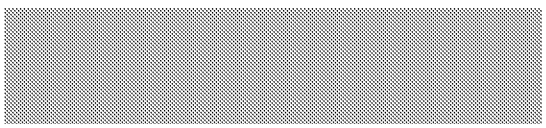
TARGET COMPOUND

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.870 | 741.24 ppbv | 63823900 | Bromochloromethane | 9.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 72 |

**********

Peak Number 3 Butanal (CAS) $$ n-Butanal ... Concentration Rank 19



Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041519012.D
Acq On : 16 Apr 2019 4:43 am
Operator :
Sample : Sample 3
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Nonane (CAS) $$ n-Nonane $$... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.544 | 5.13 ppbv | 181772 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane (CAS) $$ n-Nonane $$ Shel... | 128 | C9H20 | 000111-84-2 | 80 |
| 2 | Nonane (CAS) $$ n-Nonane $$ Shel... | 128 | C9H20 | 000111-84-2 | 53 |
| 3 | Octane (CAS) $$ n-Octane $$ Octa... | 114 | C8H18 | 000111-65-9 | 50 |
| 4 | Heptane, 2,3-dimethyl- (CAS) $$ ... | 128 | C9H20 | 003074-71-3 | 50 |
| 5 | Nonane (CAS) $$ n-Nonane $$ Shel... | 128 | C9H20 | 000111-84-2 | 47 |

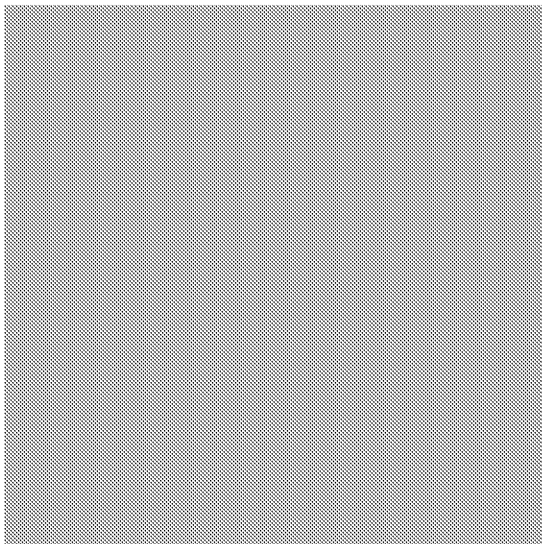
**********

Peak Number 2 Benzene, 1-bromo-4-fluoro- ... Concentration Rank 3

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.188 | 15.48 ppbv | 548279 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 91 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 87 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 83 |
| 5 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 58 |



Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041519014.D
Acq On : 16 Apr 2019 6:39 am
Operator :
Sample : Sample 4
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.890 | 707.66 ppbv | 84091600 | Bromochloromethane | 9.999 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 83 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 72 |
| 4 | Methane, nitroso- (CAS) $$ Nitro... | 45 | CH3NO | 000865-40-7 | 36 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 16 |

**********

Peak Number 2 Heptane, 2,4-dimethyl- (CAS... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.029 | 17.95 ppbv | 673238 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 83 |
| 2 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 78 |
| 3 | Octane (CAS) $$ n-Octane $$ Octa... | 114 | C8H18 | 000111-65-9 | 64 |
| 4 | Heptane, 2,4,6-trimethyl- $$ 2,4... | 142 | C10H22 | 002613-61-8 | 64 |
| 5 | Octane (CAS) $$ n-Octane $$ Octa... | 114 | C8H18 | 000111-65-9 | 64 |

Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041519016.D
Acq On : 16 Apr 2019 8:51 am
Operator :
Sample : Sample 5
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.900 | 194.33 ppbv | 67616000 | Bromochloromethane | 9.979 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 83 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 72 |

**********

Peak Number 2 .GAMMA. TERPINENE Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.238 | 0.63 ppbv | 147927 | Chlorobenzene-d5 | 18.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .GAMMA. TERPINENE | 136 | C10H16 | 000099-85-4 | 87 |
| 2 | .beta.-Phellandrene $$ Cyclohexe... | 136 | C10H16 | 000555-10-2 | 76 |
| 3 | 1,3,7-OCTATRIENE, 3,7-DIMETHYL- | 136 | C10H16 | 000502-99-8 | 76 |
| 4 | 1,3,6-Octatriene, 3,7-dimethyl-,... | 136 | C10H16 | 003779-61-1 | 76 |
| 5 | TRANS-OCIMENE | 136 | C10H16 | 027400-72-2 | 76 |

Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041519018.D
Acq On : 16 Apr 2019 10:48 am
Operator :
Sample : Sample 6
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.870 | 660.64 ppbv | 57552000 | Bromochloromethane | 9.999 |

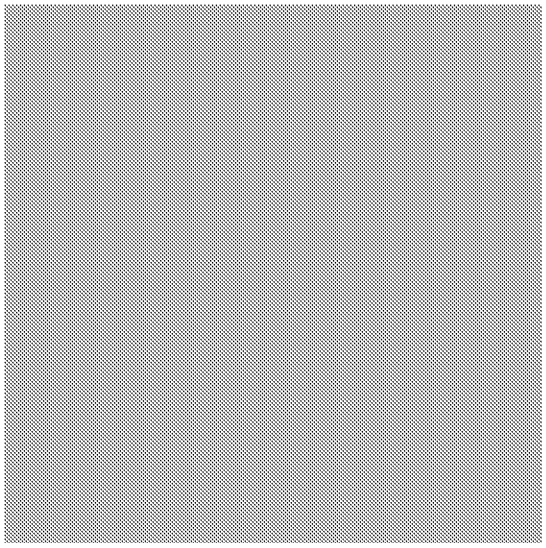
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 83 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 Heptane, 2,4-dimethyl- (CAS... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.029 | 33.35 ppbv | 1232430 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 86 |
| 2 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 78 |
| 3 | Heptane, 2,3-dimethyl- (CAS) $$ ... | 128 | C9H20 | 003074-71-3 | 72 |
| 4 | Octane (CAS) $$ n-Octane $$ Octa... | 114 | C8H18 | 000111-65-9 | 72 |
| 5 | Nonane (CAS) $$ n-Nonane $$ Shel... | 128 | C9H20 | 000111-84-2 | 72 |



Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041619008.D
Acq On : 17 Apr 2019 1:15 am
Operator :
Sample : Sample 7
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.880 | 729.69 ppbv | 102597000 | Bromochloromethane | 9.989 |

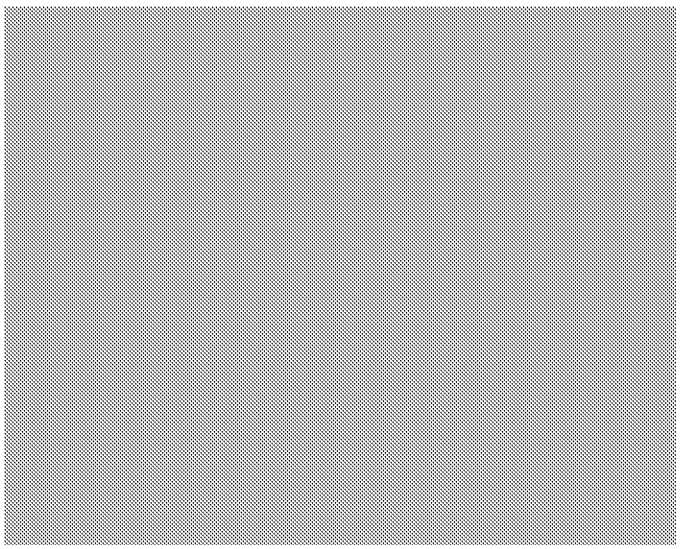
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 72 |

**********

Peak Number 2 Nonane (CAS) $$ n-Nonane $$... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.029 | 32.19 ppbv | 1130520 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane (CAS) $$ n-Nonane $$ Shel... | 128 | C9H20 | 000111-84-2 | 72 |
| 2 | Ether, hexyl pentyl (CAS) $$ Hex... | 172 | C11H24O | 032357-83-8 | 64 |
| 3 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 64 |
| 4 | Octane (CAS) $$ n-Octane $$ Octa... | 114 | C8H18 | 000111-65-9 | 64 |
| 5 | Octane, 4-methyl- (CAS) $$ 4-Met... | 128 | C9H20 | 002216-34-4 | 64 |



Library Search Compound Report

TIC identified

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041619010.D
Acq On : 17 Apr 2019 3:15 am
Operator :
Sample : Sample 8
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.880 | 781.91 ppbv | 67845000 | Bromochloromethane | 9.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 72 |

**********

Peak Number 2 column bleed Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.831 | 4.80 ppbv | 166979 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 91 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 83 |
| 3 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 83 |
| 4 | N-ethyl-1,3-dithioisoindoline $$... | 207 | C10H9NS2 | 035373-06-9 | 78 |
| 5 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 72 |

Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041619012.D
Acq On : 17 Apr 2019 5:14 am
Operator :
Sample : Sample 9
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 BUTANAL $$ BUTYRALDEHYDE Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.306 | 1.73 ppbv | 95048 | Bromochloromethane | 9.999 |

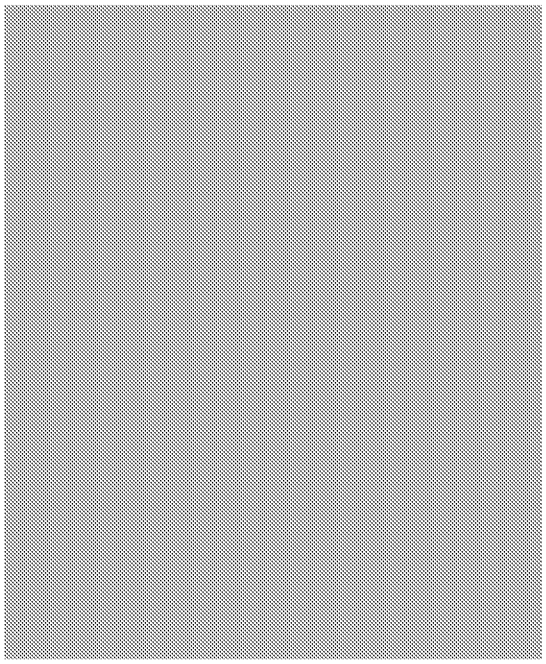
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | BUTANAL $$ BUTYRALDEHYDE | 72 | C4H8O | 000123-72-8 | 74 |
| 2 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 52 |
| 3 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 50 |
| 4 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 50 |
| 5 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 47 |

**********

Peak Number 2 Column bleed. Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.841 | 5.27 ppbv | 168533 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | N-ethyl-1,3-dithioisoindoline $$... | 207 | C10H9NS2 | 035373-06-9 | 83 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 83 |
| 3 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 4 | 1,3-dimethyl-4-azaphenanthrene | 207 | C15H13N | 000000-00-0 | 64 |
| 5 | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3 | 64 |



Library Search Compound Report

TIC identified

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041619014.D
Acq On : 17 Apr 2019 7:14 am
Operator :
Sample : Sample 10
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.890 | 852.59 ppbv | 45794800 | Bromochloromethane | 10.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 83 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 4 bromo-fluoro benzene Concentration Rank 4

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.188 | 16.07 ppbv | 478165 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 91 |
| 3 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 90 |
| 4 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 90 |
| 5 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 90 |

Library Search Compound Report

TIC identified

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041619016.D
Acq On : 17 Apr 2019 9:16 am
Operator :
Sample : Sample 11
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.890 | 778.34 ppbv | 30987000 | Bromochloromethane | 10.019 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 4 bromo-fluoro benzene Concentration Rank 5

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 14.82 ppbv | 409563 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 94 |
| 2 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 91 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 91 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 80 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 74 |

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041619018.D
Acq On : 17 Apr 2019 11:15 am
Operator :
Sample : Sample 12
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Column bleed Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.841 | 2.30 ppbv | 63122 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 72 |
| 3 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 56 |
| 4 | 1-METHYLALLYL(CYCLOOCTATETRAENE)... | 207 | C12H15Ti | 000000-00-0 | 53 |
| 5 | 1,1,1,3,5,5,5-Heptamethyltrisilo... | 222 | C7H22O2Si3 | 001873-88-7 | 50 |

**********

Peak Number 2 Benzene, 1-bromo-4-fluoro- ... Concentration Rank 3

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 15.11 ppbv | 415438 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 2 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 91 |
| 3 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 90 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 90 |
| 5 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 87 |

Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041719008.D
Acq On : 17 Apr 2019 10:32 pm
Operator :
Sample : Sample 13
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Benzene, 1-bromo-4-fluoro- ... Concentration Rank 4

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 14.46 ppbv | 391646 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 3 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 90 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 90 |
| 5 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 87 |

TOP_021319cal.M Thu Aug 22 12:06:34 2019

Library Search Compound Report

TIC identidied

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041719010.D
Acq On : 18 Apr 2019 12:31 am
Operator :
Sample : Sample 14
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.890 | 826.95 ppbv | 37800500 | Bromochloromethane | 10.009 |

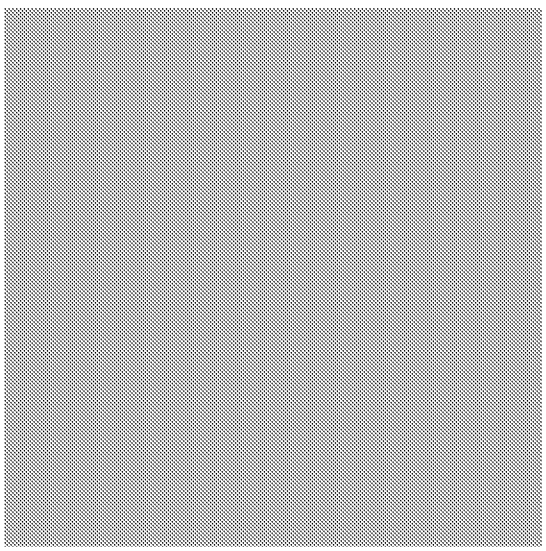
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 90 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 83 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 1-Propanol (CAS) $$ Propano... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.692 | 1.75 ppbv | 79870 | Bromochloromethane | 10.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Propanol (CAS) $$ Propanol $$ ... | 60 | C3H8O | 000071-23-8 | 80 |
| 2 | 1-Propanol (CAS) $$ Propanol $$ ... | 60 | C3H8O | 000071-23-8 | 72 |
| 3 | PROPANOL | 60 | C3H8O | 000071-23-8 | 59 |
| 4 | 1-Propanol (CAS) $$ Propanol $$ ... | 60 | C3H8O | 000071-23-8 | 56 |
| 5 | 1-Propanol (CAS) $$ Propanol $$ ... | 60 | C3H8O | 000071-23-8 | 9 |



Library Search Compound Report

No TIC's found

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041719012.D
Acq On : 18 Apr 2019 2:30 am
Operator :
Sample : Sample 15
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.880 | 493.55 ppbv | 14165200 | Bromochloromethane | 9.999 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 Column bleed Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.841 | 6.69 ppbv | 185012 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 86 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 3 | Tetrasiloxane, decamethyl- (CAS)... | 310 | C10H30O3Si4 | 000141-62-8 | 74 |
| 4 | 2-Methyl-7-phenylindole | 207 | C15H13N | 000000-00-0 | 72 |
| 5 | N-ethyl-1,3-dithioisoindoline $$... | 207 | C10H9NS2 | 035373-06-9 | 64 |

Library Search Compound Report

TIC identified

Data Path : E:\Agilent St Gobain plus pfas\
Data File : 041719014.D
Acq On : 18 Apr 2019 4:32 am
Operator :
Sample : Sample 16
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Method : C:\msdchem\1\METHODS\TOP_021319cal.M
Quant Title : TO15-PAMS

TIC Library : C:\Database\Wiley275.L
TIC Integration Parameters: rteint.p

**********

Peak Number 1 Ethanol (CAS) $$ Ethyl alco... Concentration Rank 1

Target Compound

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.880 | 585.79 ppbv | 16259300 | Bromochloromethane | 10.009 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 2 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 86 |
| 3 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 4 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |
| 5 | Ethanol (CAS) $$ Ethyl alcohol $... | 46 | C2H6O | 000064-17-5 | 78 |

**********

Peak Number 2 Cyclotrisiloxane, hexamethy... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.841 | 13.27 ppbv | 397226 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 91 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 90 |
| 3 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 86 |
| 4 | N-ethyl-1,3-dithioisoindoline $$... | 207 | C10H9NS2 | 035373-06-9 | 83 |
| 5 | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3 | 72 |

**********

Peak Number 3 Pentasiloxane, dodecamethyl... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.119 | 2.29 ppbv | 82850 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentasiloxane, dodecamethyl- (CA... | 384 | C12H36O4Si5 | 000141-63-9 | 78 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 72 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 72 |
| 4 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 72 |
| 5 | 6-HYDROXYWARFARIN $$ 2H-1-Benzop... | 324 | C19H16O5 | 017834-02-5 | 53 |

TOP_021319cal.M Thu Aug 22 12:21:19 2019

TOP_021319cal.M Thu Aug 22 12:21:38 2019

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.296 | 1.09 ppbv | 93519 | Bromochloromethane | 9.989 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 72 |
| 2 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 47 |
| 3 | Butanal (CAS) $$ n-Butanal $$ Bu... | 72 | C4H8O | 000123-72-8 | 47 |
| 4 | Pentanedial (CAS) $$ Glutaraldeh... | 100 | C5H8O2 | 000111-30-8 | 45 |
| 5 | 1-Hexyn-3-ol (CAS) $$ 1-Hexyne-3... | 98 | C6H10O | 000105-31-7 | 38 |

**********

Peak Number 4 column bleed Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.831 | 2.72 ppbv | 101958 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 90 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 83 |
| 3 | N-ethyl-1,3-dithioisoindoline $$... | 207 | C10H9NS2 | 035373-06-9 | 78 |
| 4 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 72 |
| 5 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 72 |

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Peak Number 5 (istd) Benzene, 1-bromo-4-fluoro- ... Concentration Rank 4

Internal std

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.188 | 14.56 ppbv | 545584 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 94 |
| 2 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 94 |
| 3 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 91 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 87 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 86 |

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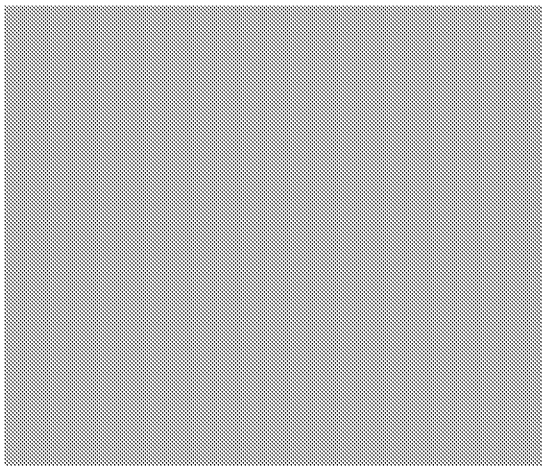
Peak Number 6 .ALPHA.-PINENE, (-)- $$ Bic... Concentration Rank 5



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Peak Number 3 .DELTA.3-Carene $$ Bicyclo[... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.901 | 3.56 ppbv | 126161 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .DELTA.3-Carene $$ Bicyclo[4.1.0... | 136 | C10H16 | 013466-78-9 | 87 |
| 2 | Pyridine, 4-methyl- (CAS) $$ .ga... | 93 | C6H7N | 000108-89-4 | 70 |
| 3 | 4-METHYLPYRIDINE | 93 | C6H7N | 000000-00-0 | 70 |
| 4 | Pyridine, 4-methyl- (CAS) $$ .ga... | 93 | C6H7N | 000108-89-4 | 70 |
| 5 | Pyridine, 4-methyl- (CAS) $$ .ga... | 93 | C6H7N | 000108-89-4 | 70 |

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Peak Number 4 .ALPHA.-PINENE $$ DIHYDRO-p... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 8.48 ppbv | 300511 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .ALPHA.-PINENE $$ DIHYDRO-para-C... | 136 | C10H16 | 000080-56-8 | 93 |
| 2 | .gamma.-TERPINENE | 136 | C10H16 | 000099-85-4 | 87 |
| 3 | .alpha.-pipene $$ .alpha.-pinene | 136 | C10H16 | 000080-56-8 | 87 |
| 4 | .DELTA.3-Carene $$ Bicyclo[4.1.0... | 136 | C10H16 | 013466-78-9 | 80 |
| 5 | CIS-OCIMENE | 136 | C10H16 | 027400-71-1 | 72 |

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Peak Number 5 LIMONENE Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.189 | 5.00 ppbv | 177267 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | LIMONENE | 136 | C10H16 | 000138-86-3 | 92 |
| 2 | dl-Limonene $$ Cyclohexene, 1-me... | 136 | C10H16 | 000138-86-3 | 90 |
| 3 | l-LIMONENE | 136 | C10H16 | 005989-54-8 | 80 |
| 4 | .DELTA.3-Carene $$ Bicyclo[4.1.0... | 136 | C10H16 | 013466-78-9 | 64 |
| 5 | .alpha.-Fenchene $$ Bicyclo[2.2.... | 136 | C10H16 | 000471-84-1 | 58 |

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Peak Number 3 TRANS-.BETA.-OCIMENE Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.356 | 1.39 ppbv | 52272 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TRANS-.BETA.-OCIMENE | 136 | C10H16 | 003779-61-1 | 78 |
| 2 | CIS-OCIMENE | 136 | C10H16 | 027400-71-1 | 72 |
| 3 | 1,3,6-Octatriene, 3,7-dimethyl-,... | 136 | C10H16 | 003338-55-4 | 72 |
| 4 | .alpha.-PINENE | 136 | C10H16 | 000080-56-8 | 64 |
| 5 | .BETA.-OCIMENE | 136 | C10H16 | 013877-91-3 | 64 |

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Peak Number 4 CIS-OCIMENE Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 8.11 ppbv | 304157 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | CIS-OCIMENE | 136 | C10H16 | 027400-71-1 | 87 |
| 2 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 81 |
| 3 | .gamma.-terpinene | 136 | C10H16 | 000099-85-4 | 76 |
| 4 | .ALPHA.-PINENE $$ DIHYDRO-para-C... | 136 | C10H16 | 000080-56-8 | 76 |
| 5 | TRANS-.BETA.-OCIMENE | 136 | C10H16 | 003779-61-1 | 72 |

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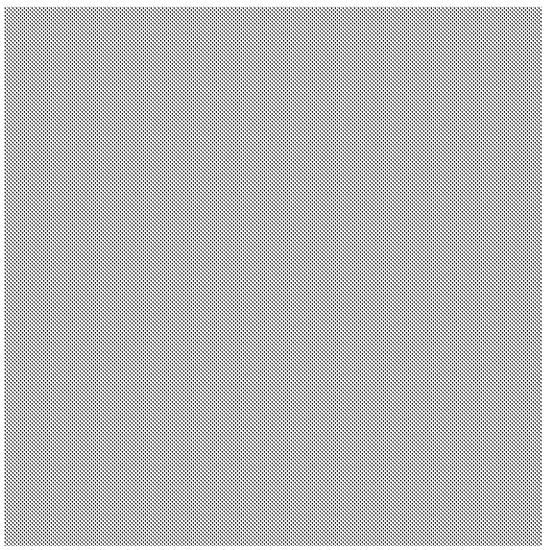

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Peak Number 3 column bleed Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.119 | 0.84 ppbv | 196986 | Chlorobenzene-d5 | 18.366 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentasiloxane, dodecamethyl- (CA... | 384 | C12H36O4Si5 | 000141-63-9 | 80 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 80 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 72 |
| 4 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 64 |
| 5 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 64 |

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Peak Number 3 .ALPHA.-PINENE $$ DIHYDRO-p... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 6.34 ppbv | 234420 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .ALPHA.-PINENE $$ DIHYDRO-para-C... | 136 | C10H16 | 000080-56-8 | 94 |
| 2 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 94 |
| 3 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 93 |
| 4 | .gamma.-Terpinene $$ 1,4-Cyclohe... | 136 | C10H16 | 000099-85-4 | 87 |
| 5 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 87 |

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Peak Number 4 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.337 | 143.10 ppbv | 5287630 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 78 |
| 2 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 72 |
| 3 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 72 |
| 4 | Pentane, 2,2,4,4-tetramethyl- (C... | 128 | C9H20 | 001070-87-7 | 59 |
| 5 | Pentane, 2,2,4-trimethyl- (CAS) ... | 114 | C8H18 | 000540-84-1 | 53 |

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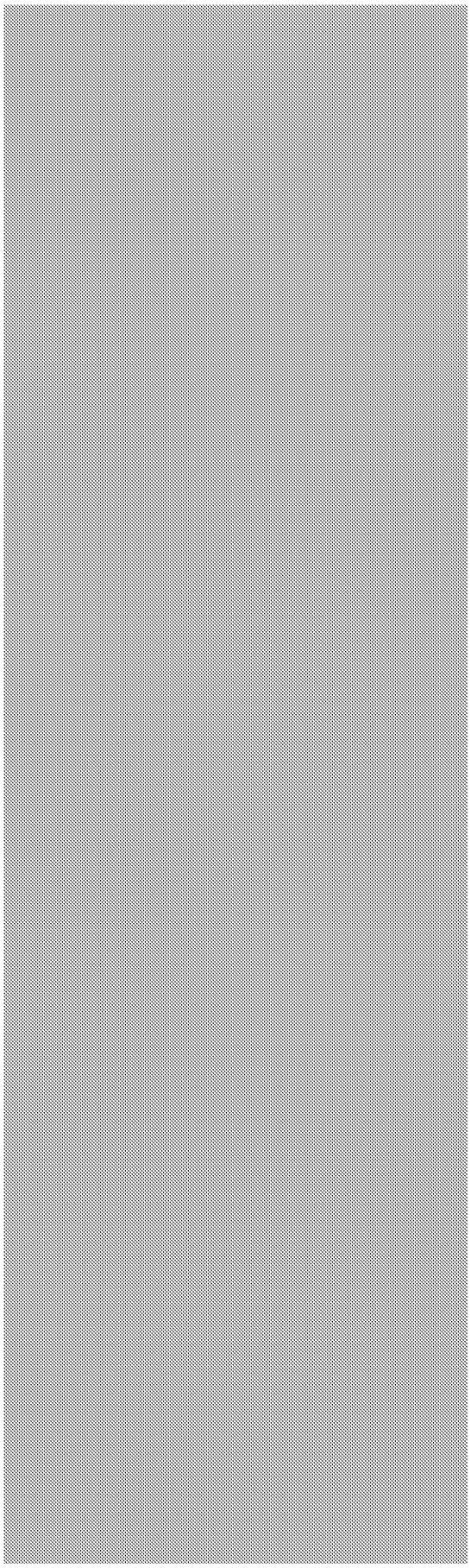
Peak Number 5 1,3-Pentadiene, (Z)- (CAS) ... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.179 | 5.10 ppbv | 188307 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,3-Pentadiene, (Z)- (CAS) $$ ci... | 68 | C5H8 | 001574-41-0 | 81 |
| 2 | 1,3-PENTADIENE | 68 | C5H8 | 001574-41-0 | 74 |
| 3 | dl-Limonene $$ Cyclohexene, 1-me... | 136 | C10H16 | 000138-86-3 | 74 |
| 4 | 1,3-Butadiene, 2-methyl- (CAS) $... | 68 | C5H8 | 000078-79-5 | 72 |
| 5 | 1,2-Pentadiene (CAS) $$ Ethylall... | 68 | C5H8 | 000591-95-7 | 64 |



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Peak Number 3 .ALPHA.-PINENE $$ DIHYDRO-p... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 5.40 ppbv | 189682 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .ALPHA.-PINENE $$ DIHYDRO-para-C... | 136 | C10H16 | 000080-56-8 | 87 |
| 2 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 74 |
| 3 | .alpha.-pipene $$ .alpha.-pinene | 136 | C10H16 | 000080-56-8 | 74 |
| 4 | .BETA.-OCIMENE-X $$ 1,3,6-Octatr... | 136 | C10H16 | 013877-91-3 | 70 |
| 5 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 005989-27-5 | 52 |

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Peak Number 4 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.337 | 187.39 ppbv | 6581420 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 83 |
| 2 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 78 |
| 3 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 78 |
| 4 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 50 |
| 5 | Butane, 2,2,3,3-tetramethyl- (CA... | 114 | C8H18 | 000594-82-1 | 50 |

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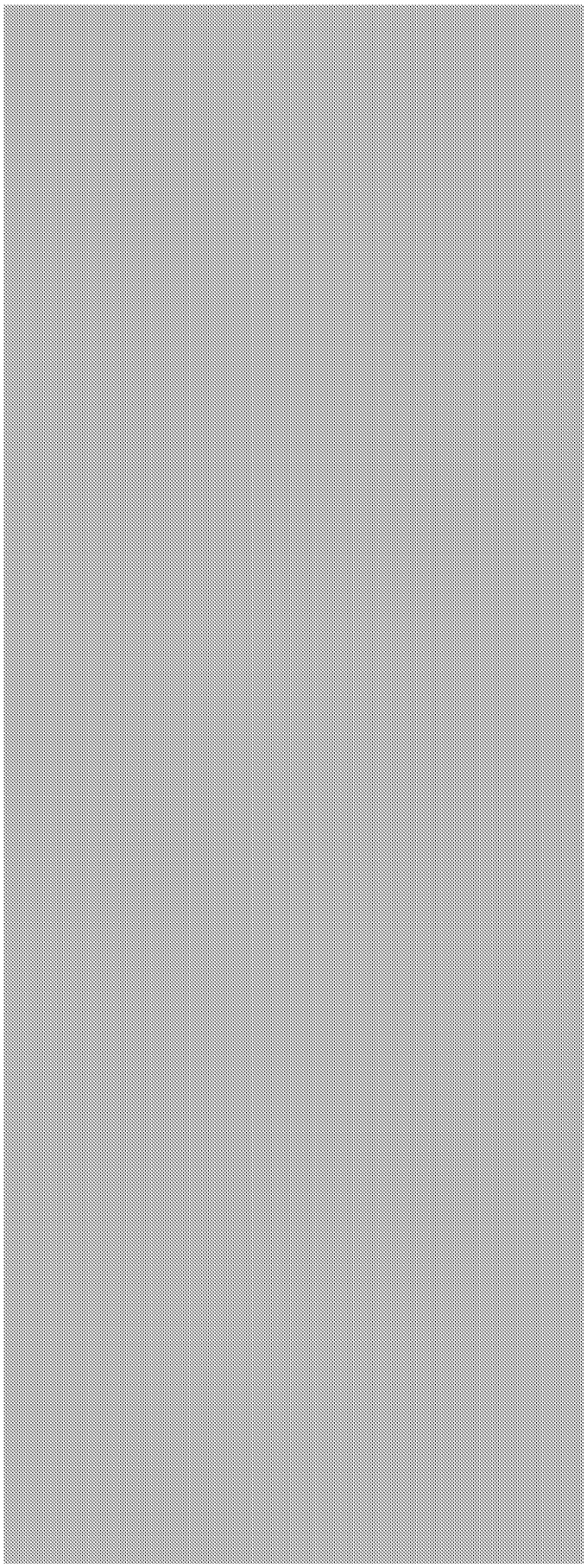
Peak Number 5 dl-Limonene $$ Cyclohexene,... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.189 | 3.43 ppbv | 120361 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | dl-Limonene $$ Cyclohexene, 1-me... | 136 | C10H16 | 000138-86-3 | 86 |
| 2 | 1,3-Butadiene, 2-methyl- (CAS) $... | 68 | C5H8 | 000078-79-5 | 60 |
| 3 | 1,3-Butadiene, 2-methyl- (CAS) $... | 68 | C5H8 | 000078-79-5 | 60 |
| 4 | dl-Limonene $$ Cyclohexene, 1-me... | 136 | C10H16 | 000138-86-3 | 53 |
| 5 | l-Limonene $$ Cyclohexene, 1-met... | 136 | C10H16 | 005989-54-8 | 52 |



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Peak Number 3 Octane, 4-methyl- (CAS) $$ ... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.535 | 11.13 ppbv | 387439 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 4-methyl- (CAS) $$ 4-Met... | 128 | C9H20 | 002216-34-4 | 86 |
| 2 | Nonane, 4,5-dimethyl- (CAS) $$ 4... | 156 | C11H24 | 017302-23-7 | 78 |
| 3 | Hexane, 3-ethyl- (CAS) $$ 3-Ethy... | 114 | C8H18 | 000619-99-8 | 72 |
| 4 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 64 |
| 5 | Pentane, 3-ethyl-2,4-dimethyl- (... | 128 | C9H20 | 001068-87-7 | 64 |

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Peak Number 4 .gamma.-terpinene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.891 | 4.34 ppbv | 151130 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-terpinene | 136 | C10H16 | 000099-85-4 | 93 |
| 2 | .gamma.-terpinene | 136 | C10H16 | 000099-85-4 | 91 |
| 3 | .gamma.-Terpinene $$ 1,4-Cyclohe... | 136 | C10H16 | 000099-85-4 | 87 |
| 4 | .GAMMA.-TERPINENE | 136 | C10H16 | 000099-85-4 | 87 |
| 5 | .alpha.-pipene $$ .alpha.-pinene | 136 | C10H16 | 000080-56-8 | 87 |

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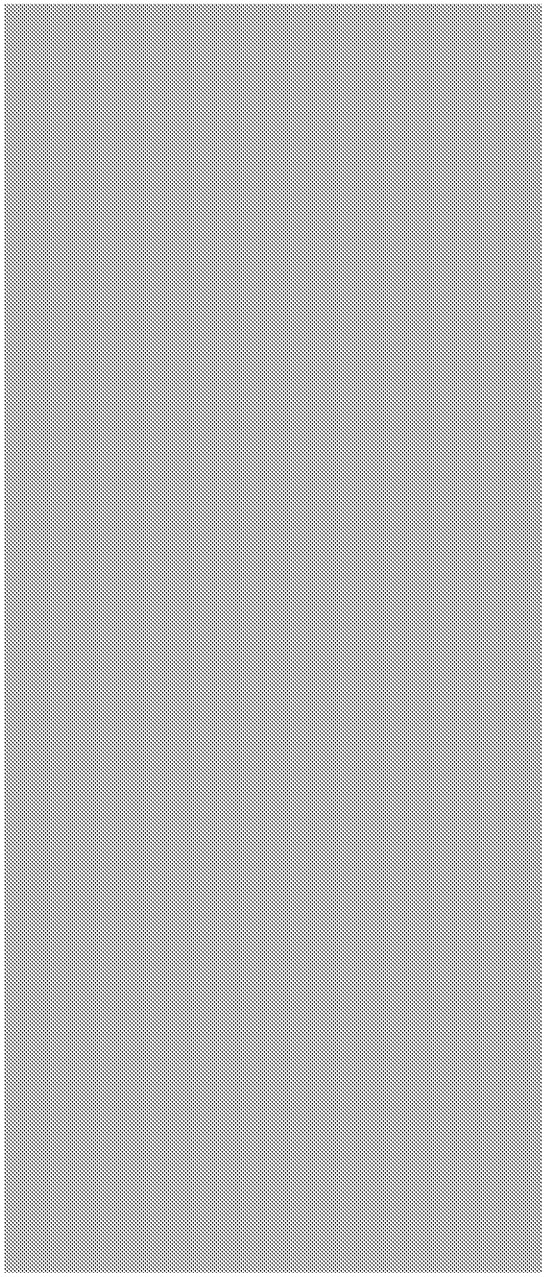
Peak Number 5 Column bleed Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.119 | 3.66 ppbv | 127602 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 86 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 80 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 80 |
| 4 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 72 |
| 5 | TRIMETHYLSILYL ESTER OF 4-METHYL... | 296 | C14H24O3Si2 | 000000-00-0 | 50 |



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Peak Number 3 4 bromo-fluoro benzene Concentration Rank 5

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.188 | 15.86 ppbv | 506986 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 94 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 93 |
| 4 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 5 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |

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Peak Number 4 TRANS-.BETA.-OCIMENE Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 3.03 ppbv | 96701 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | TRANS-.BETA.-OCIMENE | 136 | C10H16 | 003779-61-1 | 93 |
| 2 | CIS-OCIMENE | 136 | C10H16 | 027400-71-1 | 93 |
| 3 | (+)-3-CARENE | 136 | C10H16 | 000000-00-0 | 87 |
| 4 | .DELTA.3-Carene $$ Bicyclo[4.1.0... | 136 | C10H16 | 013466-78-9 | 87 |
| 5 | .BETA.-OCIMENE | 136 | C10H16 | 013877-91-3 | 86 |

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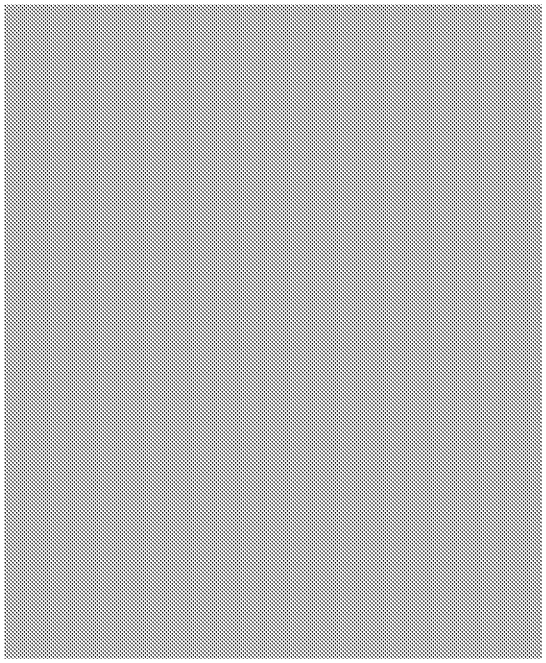
Peak Number 5 column bleed. Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.119 | 7.69 ppbv | 245690 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 86 |
| 4 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 83 |
| 5 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 72 |



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Peak Number 3 Camphene $$ Bicyclo[2.2.1]h... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.792 | 1.81 ppbv | 53903 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Camphene $$ Bicyclo[2.2.1]heptan... | 136 | C10H16 | 000079-92-5 | 81 |
| 2 | CAMPHENE | 136 | C10H16 | 000079-92-5 | 74 |
| 3 | Camphene $$ Bicyclo[2.2.1]heptan... | 136 | C10H16 | 000079-92-5 | 74 |
| 4 | Camphene $$ Bicyclo[2.2.1]heptan... | 136 | C10H16 | 000079-92-5 | 74 |
| 5 | CAMPHENE | 136 | C10H16 | 000079-92-5 | 74 |

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Peak Number 4 .ALPHA.-PINENE $$ DIHYDRO-p... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.723 | 3.08 ppbv | 91659 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .ALPHA.-PINENE $$ DIHYDRO-para-C... | 136 | C10H16 | 000080-56-8 | 91 |
| 2 | .gamma.-TERPINENE | 136 | C10H16 | 000099-85-4 | 90 |
| 3 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 90 |
| 4 | Sabinene $$ Bicyclo[3.1.0]hexane... | 136 | C10H16 | 003387-41-5 | 90 |
| 5 | SABINENE | 136 | C10H16 | 003387-41-5 | 90 |

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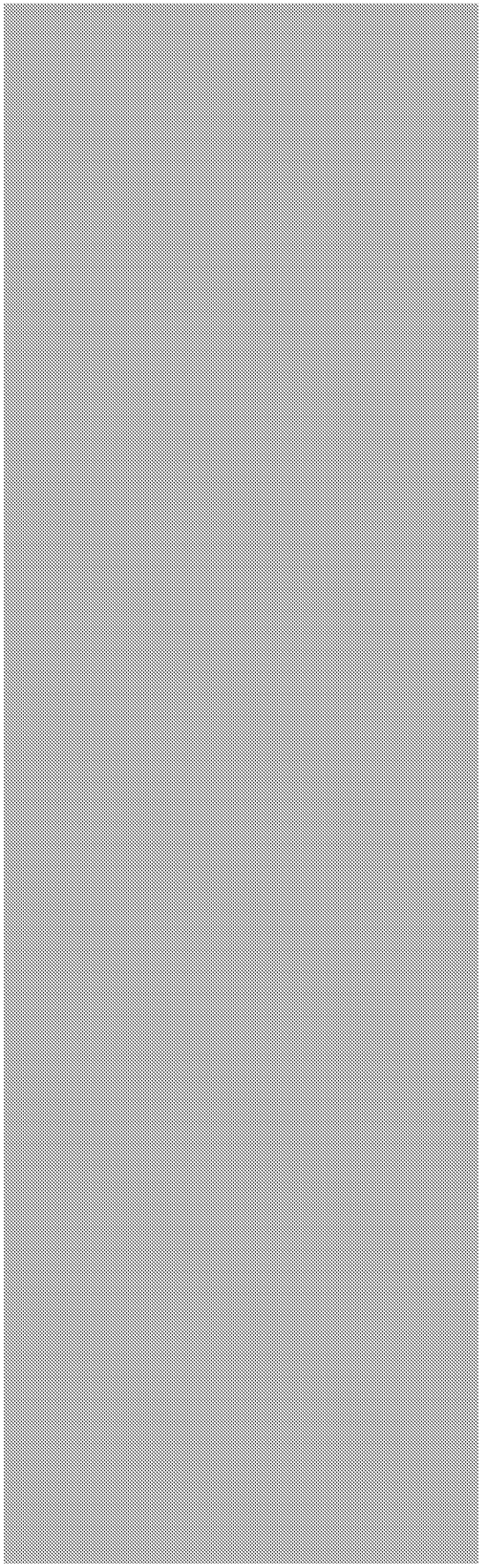
Peak Number 5 Heptane, 2,4-dimethyl- (CAS... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.308 | 3.35 ppbv | 99545 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,4-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002213-23-2 | 80 |
| 2 | Eicosane (CAS) $$ n-Eicosane | 282 | C20H42 | 000112-95-8 | 64 |
| 3 | Undecane, 2,7-dimethyl- (CAS) | 184 | C13H28 | 017301-24-5 | 59 |
| 4 | Tetradecane (CAS) $$ n-Tetradeca... | 198 | C14H30 | 000629-59-4 | 59 |
| 5 | Docosane, 7-butyl- (CAS) $$ 7-n-... | 366 | C26H54 | 055282-15-0 | 53 |



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Peak Number 3 .ALPHA.-PINENE, (-)- $$ Bic... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 1.56 ppbv | 43143 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 83 |
| 2 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 005989-27-5 | 80 |
| 3 | .DELTA.-4-CARENE $$ Bicyclo[4.1.... | 136 | C10H16 | 000554-61-0 | 72 |
| 4 | Z-.beta.-ocimene | 136 | C10H16 | 000000-00-0 | 72 |
| 5 | .alpha.-Thujene $$ Bicyclo[3.1.0... | 136 | C10H16 | 002867-05-2 | 68 |

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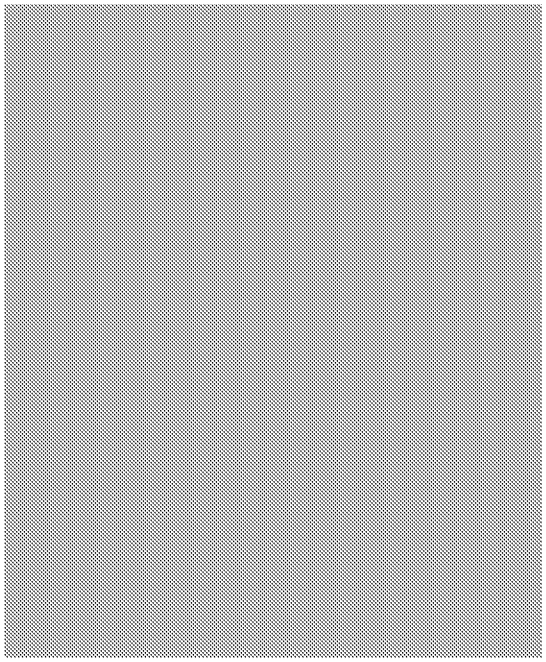

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**********
Peak Number 3 Ethene, trichloro- (CAS) $$... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.009 | 1.47 ppbv | 42219 | 1,4-Difluorobenzene | 12.088 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethene, trichloro- (CAS) $$ Tri ... | 130 | C2HCl3 | 000079-01-6 | 64 |
| 2 | Ethene, trichloro- (CAS) $$ Tri ... | 130 | C2HCl3 | 000079-01-6 | 58 |
| 3 | Ethene, trichloro- (CAS) $$ Tri ... | 130 | C2HCl3 | 000079-01-6 | 58 |
| 4 | Ethene, trichloro- (CAS) $$ Tri ... | 130 | C2HCl3 | 000079-01-6 | 52 |
| 5 | Ethene, trichloro- (CAS) $$ Tri ... | 130 | C2HCl3 | 000079-01-6 | 52 |

**********
Peak Number 4 Column bleed Concentration Rank 6

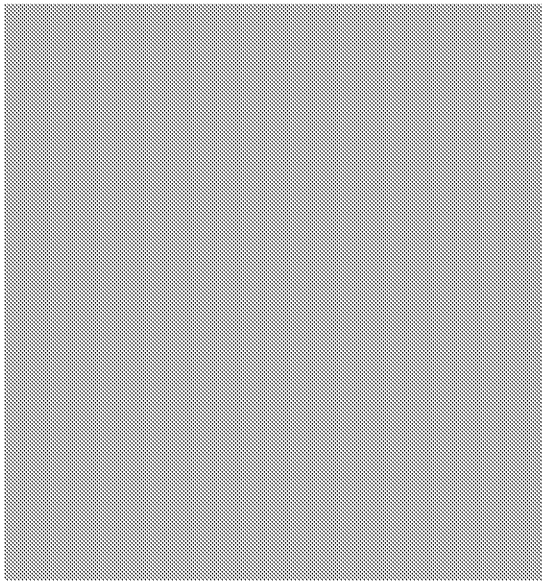
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.842 | 3.37 ppbv | 96658 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 86 |
| 2 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 3 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 4 | Cyclotrisiloxane, hexamethyl- (C... | 222 | C6H18O3Si3 | 000541-05-9 | 64 |
| 5 | 1,3-dimethyl-4-azaphenanthrene | 207 | C15H13N | 000000-00-0 | 64 |

**********
Peak Number 5 4 bromo-fluoro benzene Concentration Rank 4
Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 14.89 ppbv | 427400 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 94 |
| 2 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 87 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 87 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 72 |
| 5 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 58 |



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Peak Number 3 4 bromo-fluoro benzene Concentration Rank 5

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 12.76 ppbv | 353031 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 96 |
| 2 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 94 |
| 3 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 94 |
| 4 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 94 |
| 5 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 91 |

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Peak Number 4 Column Bleed Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.119 | 7.45 ppbv | 206066 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 86 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 80 |
| 4 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 80 |
| 5 | 3-Ethoxy-1,1,1,5,5,5-hexamethyl-... | 340 | C11H32O4Si4 | 000000-00-0 | 64 |

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Peak Number 3 4 bromo-fluoro benzene Concentration Rank 5

Internal standard

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.198 | 14.42 ppbv | 431822 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4 bromo-fluoro benzene | 174 | C6H4BrF | 000000-00-0 | 94 |
| 2 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 93 |
| 3 | Benzene, 1-bromo-4-fluoro- (CAS)... | 174 | C6H4BrF | 000460-00-4 | 90 |
| 4 | Benzene, 1-bromo-3-fluoro- (CAS)... | 174 | C6H4BrF | 001073-06-9 | 81 |
| 5 | Benzene, 1-bromo-2-fluoro- (CAS)... | 174 | C6H4BrF | 001072-85-1 | 81 |

**********

Peak Number 4 .ALPHA.-PINENE, (-)- $$ Bic... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.248 | 1.39 ppbv | 41509 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 90 |
| 2 | .alpha.-pipene $$ .alpha.-pinene | 136 | C10H16 | 000080-56-8 | 90 |
| 3 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 90 |
| 4 | .alpha.-pipene $$ .alpha.-pinene | 136 | C10H16 | 000080-56-8 | 90 |
| 5 | .alpha.-pipene $$ .alpha.-pinene | 136 | C10H16 | 000080-56-8 | 90 |

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 R.T.    EstConc        Area      Relative to ISTD       R.T.
-----------------------------------------------------------------
 22.248   9.95 ppbv      373079   Chlorobenzene-d5        18.386

 Hit# of  5   Tentative ID          MW  MolForm      CAS#      Qual
-----------------------------------------------------------------
 1 .ALPHA.-PINENE, (-)- $$ Bicyclo[... 136 C10H16       000080-56-8 94
 2 .gamma.-terpinene                 136 C10H16       000099-85-4 87
 3 .GAMMA.-TERPINENE                 136 C10H16       000099-85-4 87
 4 .alpha.-pipene $$ .alpha.-pinene   136 C10H16       000080-56-8 76
 5 .ALPHA.-PINENE $$ DIHYDRO-para-C... 136 C10H16       000080-56-8 70


*****************************************************************
Peak Number  7  .gamma.-TERPINENE            Concentration Rank 14

 R.T.    EstConc        Area      Relative to ISTD       R.T.
-----------------------------------------------------------------
 23.723   2.07 ppbv       77696   Chlorobenzene-d5        18.386

 Hit# of  5   Tentative ID          MW  MolForm      CAS#      Qual
-----------------------------------------------------------------
 1 .gamma.-TERPINENE                 136 C10H16       000099-85-4 87
 2 .ALPHA.-PINENE, (-)- $$ Bicyclo[... 136 C10H16       000080-56-8 87
 3 .alpha.-pipene $$ .alpha.-pinene   136 C10H16       000080-56-8 87
 4 .gamma.-terpinene                 136 C10H16       000099-85-4 87
 5 .ALPHA.-PINENE, (-)- $$ Bicyclo[... 136 C10H16       000080-56-8 87
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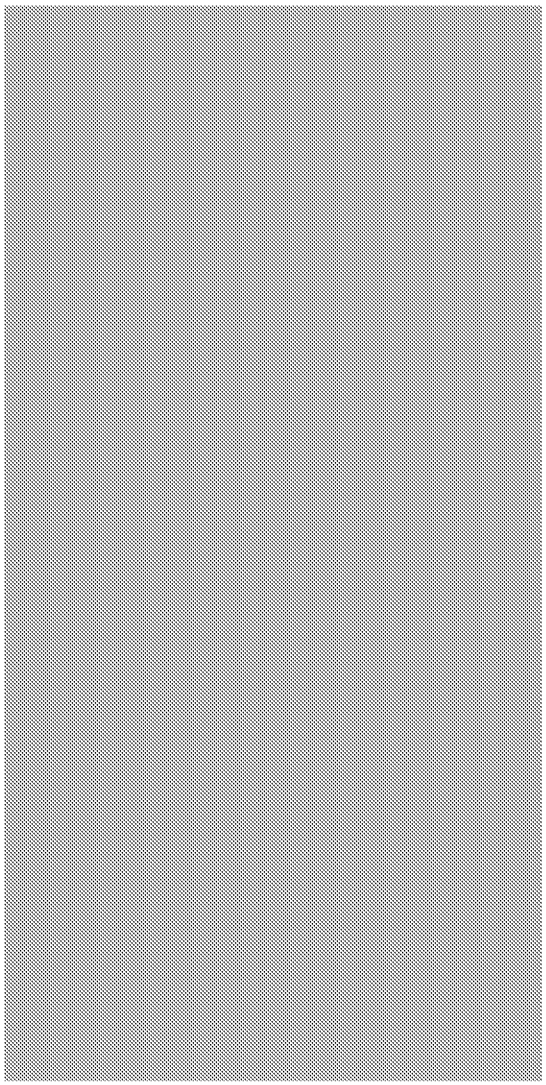

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Peak Number 6 susbtituted alkane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.911 | 11.13 ppbv | 394395 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 4,7-dimethyl- (CAS) | 184 | C13H28 | 017301-32-5 | 80 |
| 2 | Tetradecane (CAS) $$ n-Tetradeca... | 198 | C14H30 | 000629-59-4 | 72 |
| 3 | Docosane (CAS) $$ n-Docosane $$ ... | 310 | C22H46 | 000629-97-0 | 64 |
| 4 | Dodecane, 5-methyl- (CAS) $$ 5-M... | 184 | C13H28 | 017453-93-9 | 59 |
| 5 | Pentadecane (CAS) $$ n-Pentadeca... | 212 | C15H32 | 000629-62-9 | 59 |

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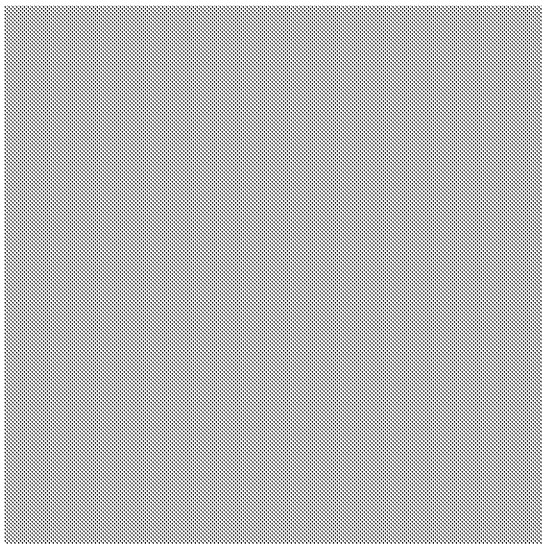

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Peak Number 6 2,2,4,4,-Tetramethyloctane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.387 | 18.63 ppbv | 654469 | Chlorobenzene-d5 | 18.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2,4,4,-Tetramethyloctane | 170 | C12H26 | 000000-00-0 | 72 |
| 2 | Nonane, 2,2,4,4,6,8,8-heptamethy... | 226 | C16H34 | 004390-04-9 | 64 |
| 3 | Nonane, 2,2,4,4,6,8,8-heptamethy... | 226 | C16H34 | 004390-04-9 | 64 |
| 4 | Heptane, 3,5-dimethyl- (CAS) $$ ... | 128 | C9H20 | 000926-82-9 | 50 |
| 5 | 2,2,4,4,5,5,7,7-Octamethyloctane | 226 | C16H34 | 000000-00-0 | 47 |

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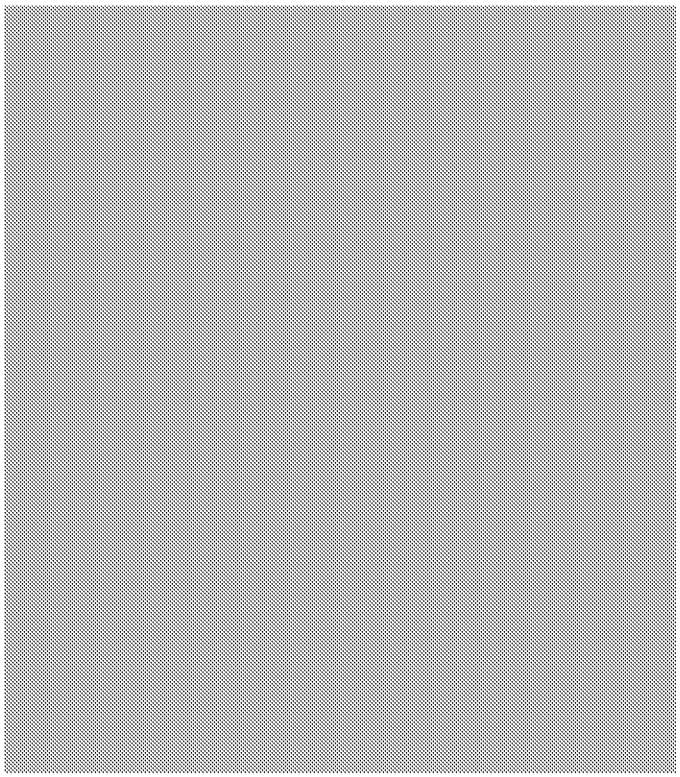

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Peak Number 6 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.337 | 202.28 ppbv | 7044000 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 83 |
| 2 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 74 |
| 3 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 64 |
| 4 | Pentane, 2,2,4-trimethyl- (CAS) ... | 114 | C8H18 | 000540-84-1 | 59 |
| 5 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 50 |

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Peak Number 7 2,2,4,4,-Tetramethyloctane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.377 | 20.84 ppbv | 725804 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,2,4,4,-Tetramethyloctane | 170 | C12H26 | 000000-00-0 | 78 |
| 2 | Nonane, 2,2,4,4,6,8,8-heptamethy... | 226 | C16H34 | 004390-04-9 | 64 |
| 3 | Heptane, 2,5-dimethyl- (CAS) $$ ... | 128 | C9H20 | 002216-30-0 | 53 |
| 4 | Heptane, 3-bromo- (CAS) $$ 3-Bro... | 178 | C7H15Br | 001974-05-6 | 50 |
| 5 | Nonane, 2,2,4,4,6,8,8-heptamethy... | 226 | C16H34 | 004390-04-9 | 50 |

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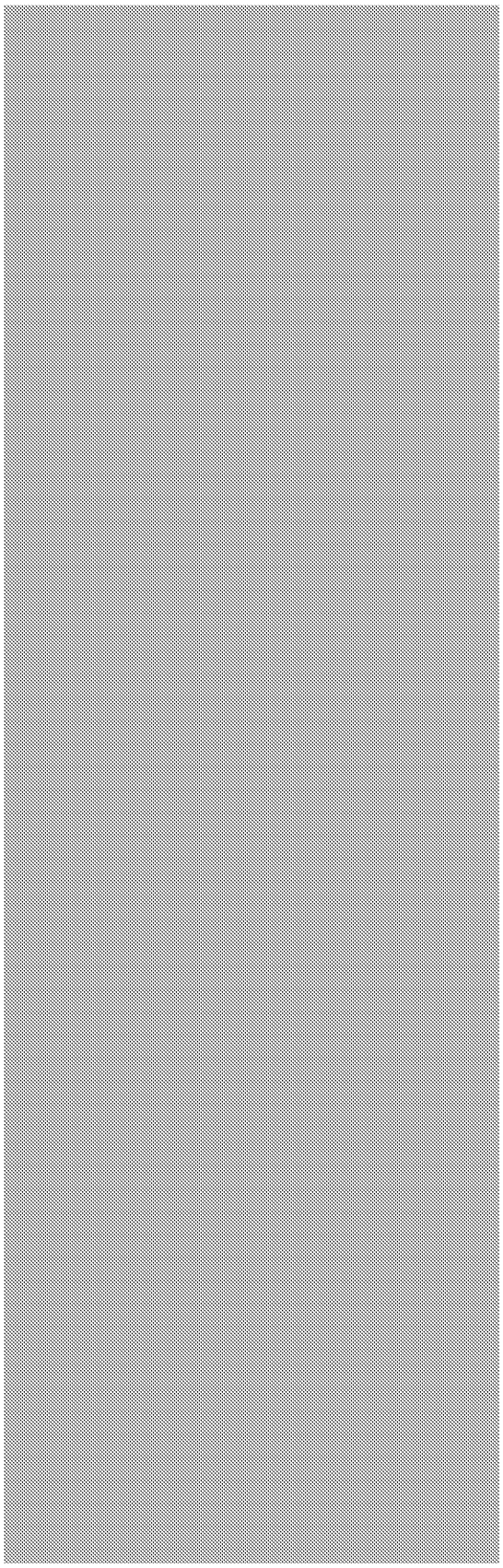
Peak Number 8 2,6-Dimethyldecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.040 | 7.65 ppbv | 266448 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6-Dimethyldecane | 170 | C12H26 | 013150-81-7 | 83 |
| 2 | Dodecane (CAS) $$ n-Dodecane $$ ... | 170 | C12H26 | 000112-40-3 | 80 |
| 3 | Eicosane (CAS) $$ n-Eicosane | 282 | C20H42 | 000112-95-8 | 64 |
| 4 | Ether, hexyl pentyl (CAS) $$ Hex... | 172 | C11H24O | 032357-83-8 | 64 |



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Peak Number 6 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.337 | 94.82 ppbv | 3030230 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 83 |
| 2 | Butane, 2,2,3,3-tetramethyl- (CA... | 114 | C8H18 | 000594-82-1 | 64 |
| 3 | Hexane, 2,2,5,5-tetramethyl- (CA... | 142 | C10H22 | 001071-81-4 | 64 |
| 4 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 64 |
| 5 | Heptane, 2,2,4,6,6-pentamethyl- ... | 170 | C12H26 | 013475-82-6 | 64 |

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Peak Number 7 Cyclohexene, 1-methyl-5-(1-... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.189 | 2.98 ppbv | 95289 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexene, 1-methyl-5-(1-methy... | 136 | C10H16 | 013898-73-2 | 93 |
| 2 | dl-Limonene $$ Cyclohexene, 1-me... | 136 | C10H16 | 000138-86-3 | 86 |
| 3 | .ALPHA.-PINENE, (-)- $$ Bicyclo[... | 136 | C10H16 | 000080-56-8 | 64 |
| 4 | 1,4-Pentadiene (CAS) $$ Penta-1,... | 68 | C5H8 | 000591-93-5 | 60 |
| 5 | 1,2-Pentadiene (CAS) $$ Ethylall... | 68 | C5H8 | 000591-95-7 | 60 |

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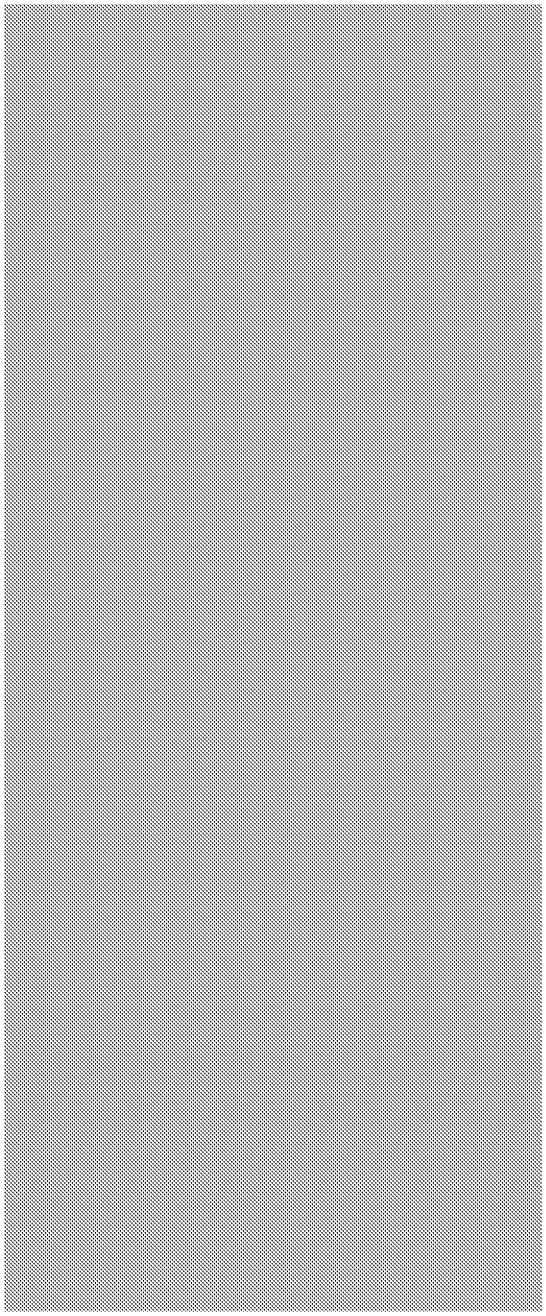

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Peak Number 6 Column bleed Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.119 | 2.93 ppbv | 84208 | Chlorobenzene-d5 | 18.396 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 86 |
| 2 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 80 |
| 3 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 59 |
| 4 | Benzene, 1-phenyl-4-(2-cyano-2-p... | 281 | C21H15N | 027869-56-3 | 47 |
| 5 | Cyclotetrasiloxane, octamethyl- ... | 296 | C8H24O4Si4 | 000556-67-2 | 42 |

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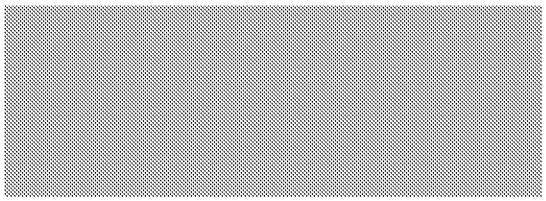
5 Heptadecane (CAS) $$ n-Heptadeca... 240 C17H36 000629-78-7 64

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