

Prep Standard - Chemical Standard Summary

Order ID : Q1772

Test : VOCMS Group3

Prepbatch ID :

Sequence ID/Qc Batch ID: vl041025,

Standard ID :

AP2591,AP2593,AP2594,AP2595,AP2596,

Chemical ID :

A1117,A1135,A1136,A1137,

Air STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|---|------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 47 | Internal Standard/Surrogate Mix-80 ppbv | AP2591 | 03/21/2025 | 04/21/2025 | Semsettin Yesilyurt | None | None | Maresh Dadoda |
| | | | | | | | | 04/03/2025 |

FROM 2.40000psi of A1135 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 2396 | TO-15 15 PPBV CAL MIX | AP2593 | 03/21/2025 | 04/21/2025 | Semsettin Yesilyurt | None | None | Maresh Dadoda |
| | | | | | | | | 04/03/2025 |

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1136 = Final Quantity: 30.000 psi

Air STANDARD PREPARATION LOG

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 2396 | TO-15 15 PPBV CAL MIX | AP2594 | 03/21/2025 | 04/21/2025 | Semsettin Yesilyurt | None | None | Maresh Dadoda |
| | | | | | | | | 04/03/2025 |

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1137 = Final Quantity: 30.000 psi

| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|------------------|-----------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 2397 | TO-15 -2 PPBV CAL.MIX | AP2595 | 03/25/2025 | 04/21/2025 | Semsettin Yesilyurt | None | None | Maresh Dadoda |
| | | | | | | | | 04/03/2025 |

FROM 26.00000psi of A1117 + 4.00000psi of AP2593 = Final Quantity: 30.000 psi



| <u>Recipe ID</u> | <u>NAME</u> | <u>NO.</u> | <u>Prep Date</u> | <u>Expiration Date</u> | <u>Prepared By</u> | <u>ScaleID</u> | <u>PipetteID</u> | <u>Supervised By</u> |
|---|------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|-----------------------------|
| 2668 | 0.5 PPBV CAL.MIX | AP2596 | 03/25/2025 | 04/21/2025 | Semsettin Yesilyurt | None | None | Mahesh Dadoda 04/03/2025 |
| <u>FROM</u> 29.00000psi of A1117 + 1.00000psi of AP2593 = Final Quantity: 30.000 psi | | | | | | | | |

CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------|---------------------------|----------------|-----------------|-------------------------|-----------------------------|----------------|
| AIR LIQUIDE | 365A-49 / AIR, Compressed | 90402401186-01 | 04/01/2026 | 04/01/2022 / apatel | 04/01/2022 / SAM | A1117 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---------------------|---|----------|-----------------|-------------------------|-----------------------------|----------------|
| CUSTOMGAS Solutions | TB500009-110 / TO-15 Internal Standard/Surrogate Standard | BC275465 | 07/16/2025 | 07/22/2024 / SAM | 07/22/2024 / SAM | A1135 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---------------------|---|-------------|-----------------|-------------------------|-----------------------------|----------------|
| CUSTOMGAS Solutions | TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene) | 040424-003A | 07/16/2025 | 07/25/2024 / SAM | 07/22/2024 / SAM | A1136 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|---------------------|---|-------------|-----------------|-------------------------|-----------------------------|----------------|
| CUSTOMGAS Solutions | TO15-80-6R-07092 / TO-15 Modified (80 comp) in Nitrogen (addition of 2-methylnaphthalene) | 040424-003B | 07/16/2025 | 07/25/2024 / SAM | 07/22/2024 / SAM | A1137 |

CUSTOMGAS SOLUTIONS



1750 East Club Boulevard

Durham, NC 27704

Phone: (919) 220-2570

Fax: (919) 220-4540

Certificate of Analysis

Customer:

Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

Tel: (908) 789-8900

Cylinder Number: BC275465
Cylinder Size/CGA: 170/180SS
Fill Pressure: 1815 PSIA
Gas Volume: ~170 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025

Ship To : Chem Tech
284 Sheffield Street
Mountainside, NJ 07092

| Customer Number | Ship VIA | Job No. | Customer PO | Mixture Type |
|-----------------|----------|------------|-------------|--------------|
| 00107092NJ | Best Way | 040424-003 | 240404-10 | Gravimetric |

| Component | Nominal Concentration | Actual Concentration* | Mixture Type |
|----------------------|-----------------------|------------------------|------------------------|
| Bromochloromethane | 1 ppm | 1.014 ppm +/- 0.02 ppm | Gravimetric Master Gas |
| 4-Bromofluorobenzene | 1 ppm | 1.008 ppm +/- 0.02 ppm | |
| Chlorobenzene-D5 | 1 ppm | 0.993 ppm +/- 0.02 ppm | |
| 1,4-Difluorobenzene | 1 ppm | 0.979 ppm +/- 0.02 ppm | |
| Nitrogen | balance | balance | |
| | | | |
| | | | |
| | | | |

NOTES: Blend Tolerance:

+/- 10 %

Analytical Tolerance:

+/- 5 %

Traceability:

NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis

Reactive Mixtures:

Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.

Caution:

Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature: 

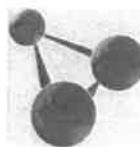
Signature: 

Date: 07/16/2024

*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS

SOLUTIONS



1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountainside, NJ 07092

Cylinder Number: BC917782
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003A

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

| Customer Number | Ship VIA | Job No. | Customer PO | Mixture Type |
|-----------------|----------|------------|-------------|--------------|
| 00107092NJ | Best Way | 040424-003 | 240404-10 | Gravimetric |

| Component | Nominal Concentration | Actual Concentration* | Mixture Type |
|-------------------------------|-----------------------|-----------------------|------------------------|
| Acetone | 500 ppb | 517 ppb +/- 50 ppb | Gravimetric Master Gas |
| Acetonitrile | 500 ppb | 534 ppb +/- 50 ppb | |
| Acrolein | 500 ppb | 545 ppb +/- 50 ppb | |
| Acrylonitrile | 500 ppb | 539 ppb +/- 50 ppb | - |
| Allyl chloride | 500 ppb | 509 ppb +/- 50 ppb | |
| Benzene | 500 ppb | 483 ppb +/- 50 ppb | |
| Benzyl Chloride | 500 ppb | 489 ppb +/- 50 ppb | |
| Bromodichloromethane | 500 ppb | 509 ppb +/- 50 ppb | |
| Bromoform | 500 ppb | 495 ppb +/- 50 ppb | |
| 1,3-Butadiene | 500 ppb | 504 ppb +/- 50 ppb | |
| tert-Butyl alcohol | 500 ppb | 532 ppb +/- 50 ppb | |
| n-Butyl benzene | 500 ppb | 529 ppb +/- 50 ppb | |
| sec-Butyl benzene | 500 ppb | 529 ppb +/- 50 ppb | |
| tert-Butyl benzene | 500 ppb | 529 ppb +/- 50 ppb | |
| Carbon disulfide | 500 ppb | 485 ppb +/- 50 ppb | |
| Carbon tetrachloride | 500 ppb | 506 ppb +/- 50 ppb | |
| Chlorobenzene | 500 ppb | 491 ppb +/- 50 ppb | |
| Chlorodibromomethane | 500 ppb | 488 ppb +/- 50 ppb | |
| Chloroform | 500 ppb | 492 ppb +/- 50 ppb | |
| 2-Chlorotoluene | 500 ppb | 532 ppb +/- 50 ppb | |
| Cyclohexane | 500 ppb | 482 ppb +/- 50 ppb | |
| 1,2-Dibromoethane | 500 ppb | 491 ppb +/- 50 ppb | |
| 1,2-Dichlorobenzene | 500 ppb | 510 ppb +/- 50 ppb | |
| 1,3-Dichlorobenzene | 500 ppb | 489 ppb +/- 50 ppb | |
| 1,4-Dichlorobenzene | 500 ppb | 490 ppb +/- 50 ppb | |
| Dichlorodifluoromethane (R12) | 500 ppb | 508 ppb +/- 50 ppb | |

| | | | |
|--------------------------------|---------|--------------------|--|
| 1,1-Dichloroethane | 500 ppb | 492 ppb +/- 50 ppb | |
| 1,2-Dichloroethane | 500 ppb | 497 ppb +/- 50 ppb | |
| 1,1-Dichloroethylene | 500 ppb | 493 ppb +/- 50 ppb | |
| cis 1,2-Dichloroethylene | 500 ppb | 488 ppb +/- 50 ppb | |
| trans 1,2-Dichloroethylene | 500 ppb | 488 ppb +/- 50 ppb | |
| 1,2-Dichloropropane | 500 ppb | 490 ppb +/- 50 ppb | |
| cis 1,3-Dichloropropylene | 500 ppb | 516 ppb +/- 50 ppb | |
| trans 1,3-Dichloropropylene | 500 ppb | 466 ppb +/- 50 ppb | |
| 1,2-Dichlorotetrafluoroethane | 500 ppb | 505 ppb +/- 50 ppb | |
| 1,4-Dioxane | 500 ppb | 484 ppb +/- 50 ppb | |
| Ethyl acetate | 500 ppb | 486 ppb +/- 50 ppb | |
| Ethyl Alcohol | 500 ppb | 555 ppb +/- 50 ppb | |
| Ethyl benzene | 500 ppb | 497 ppb +/- 50 ppb | |
| Ethyl Chloride | 500 ppb | 506 ppb +/- 50 ppb | |
| 4-Ethyltoluene | 500 ppb | 485 ppb +/- 50 ppb | |
| n-Heptane | 500 ppb | 487 ppb +/- 50 ppb | |
| Hexachloro-1,3-butadiene | 500 ppb | 489 ppb +/- 50 ppb | |
| 2-Hexanone | 500 ppb | 490 ppb +/- 50 ppb | |
| n-Hexane | 500 ppb | 485 ppb +/- 50 ppb | |
| Isopropyl alcohol | 500 ppb | 511 ppb +/- 50 ppb | |
| Isopropyl benzene | 500 ppb | 527 ppb +/- 50 ppb | |
| p-Isopropyl toluene | 500 ppb | 534 ppb +/- 50 ppb | |
| Methyl Bromide | 500 ppb | 505 ppb +/- 50 ppb | |
| Methyl Chloride | 500 ppb | 509 ppb +/- 50 ppb | |
| Methyl ethyl ketone | 500 ppb | 496 ppb +/- 50 ppb | |
| Methyl isobutyl ketone | 500 ppb | 493 ppb +/- 50 ppb | |
| Methyl methacrylate | 500 ppb | 532 ppb +/- 50 ppb | |
| Methyl tertiary butyl ether | 500 ppb | 483 ppb +/- 50 ppb | |
| Methylene chloride | 500 ppb | 498 ppb +/- 50 ppb | |
| Naphthalene | 500 ppb | 542 ppb +/- 50 ppb | |
| n-Propylbenzene | 500 ppb | 529 ppb +/- 50 ppb | |
| Propylene | 500 ppb | 508 ppb +/- 50 ppb | |
| Styrene | 500 ppb | 485 ppb +/- 50 ppb | |
| 1,1,1,2-Tetrachloroethane | 500 ppb | 483 ppb +/- 50 ppb | |
| 1,1,2,2-Tetrachloroethane | 500 ppb | 534 ppb +/- 50 ppb | |
| Tetrachloroethylene | 500 ppb | 487 ppb +/- 50 ppb | |
| Tetrahydrofuran | 500 ppb | 535 ppb +/- 50 ppb | |
| Toluene | 500 ppb | 491 ppb +/- 50 ppb | |
| 1,2,4-Trichlorobenzene | 500 ppb | 494 ppb +/- 50 ppb | |
| 1,1,1-Trichloroethane | 500 ppb | 494 ppb +/- 50 ppb | |
| 1,1,2-Trichloroethane | 500 ppb | 494 ppb +/- 50 ppb | |
| Trichloroethylene | 500 ppb | 488 ppb +/- 50 ppb | |
| Trichlorofluoromethane | 500 ppb | 508 ppb +/- 50 ppb | |
| 1,1,2-Trichlorotrifluoroethane | 500 ppb | 495 ppb +/- 50 ppb | |
| 1,2,4-Trimethylbenzene | 500 ppb | 494 ppb +/- 50 ppb | |
| 1,3,5-Trimethylbenzene | 500 ppb | 498 ppb +/- 50 ppb | |
| 2,2,4-Trimethylpentane | 500 ppb | 489 ppb +/- 50 ppb | |
| Vinyl acetate | 500 ppb | 499 ppb +/- 50 ppb | |
| Vinyl bromide | 500 ppb | 505 ppb +/- 50 ppb | |
| Vinyl chloride | 500 ppb | 507 ppb +/- 50 ppb | |
| m-Xylene | 500 ppb | 492 ppb +/- 50 ppb | |
| o-Xylene | 500 ppb | 480 ppb +/- 50 ppb | |
| p-Xylene | 500 ppb | 486 ppb +/- 50 ppb | |
| 2-Methyl Naphthalene | 500 ppb | 498 ppb +/- 50 ppb | |
| R-22 | 500 ppb | 590 ppb +/- 50 ppb | |
| Nitrogen | balance | balance | |
| | | | |
| | | | |

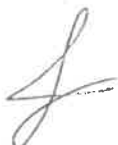
NOTES: Blend Tolerance: +/- 20 %
Analytical Tolerance: +/- 10 %
Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.
Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature: 

Signature:

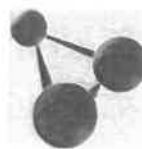
Date: 07/16/2024



*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.

CUSTOMGAS

SOLUTIONS



1750 East Club Boulevard
Durham, NC 27704
Phone: (919) 220-2570
Fax: (919) 220-4540

Certificate of Analysis

Customer:

ChemTech
284 Sheffield Street
Mountainside, NJ 07092

Cylinder Number: BC169552
Cylinder Size/CGA: 170/180
Fill Pressure: 1815 PSIA
Gas Volume: 110 liters
Date of Mfg: 07/16/2024
Expiration Date: 07/16/2025
Lot Number: 040424-003B

Ship To : Chemtech
284 Sheffield Street
Mountainside, NJ 07092

| Customer Number | Ship VIA | Job No. | Customer PO | Mixture Type |
|-----------------|----------|------------|-------------|--------------|
| 00107092NJ | Best Way | 040424-003 | 240404-10 | Gravimetric |

| Component | Nominal Concentration | Actual Concentration* | Mixture Type |
|-------------------------------|-----------------------|-----------------------|------------------------|
| Acetone | 500 ppb | 502 ppb +/- 50 ppb | Gravimetric Master Gas |
| Acetonitrile | 500 ppb | 530 ppb +/- 50 ppb | |
| Acrolein | 500 ppb | 540 ppb +/- 50 ppb | |
| Acrylonitrile | 500 ppb | 535 ppb +/- 50 ppb | |
| Allyl chloride | 500 ppb | 494 ppb +/- 50 ppb | |
| Benzene | 500 ppb | 470 ppb +/- 50 ppb | |
| Benzyl Chloride | 500 ppb | 476 ppb +/- 50 ppb | |
| Bromodichloromethane | 500 ppb | 495 ppb +/- 50 ppb | |
| Bromoform | 500 ppb | 481 ppb +/- 50 ppb | |
| 1,3-Butadiene | 500 ppb | 490 ppb +/- 50 ppb | |
| tert-Butyl alcohol | 500 ppb | 527 ppb +/- 50 ppb | |
| n-Butyl benzene | 500 ppb | 525 ppb +/- 50 ppb | |
| sec-Butyl benzene | 500 ppb | 525 ppb +/- 50 ppb | |
| tert-Butyl benzene | 500 ppb | 525 ppb +/- 50 ppb | |
| Carbon disulfide | 500 ppb | 471 ppb +/- 50 ppb | |
| Carbon tetrachloride | 500 ppb | 492 ppb +/- 50 ppb | |
| Chlorobenzene | 500 ppb | 478 ppb +/- 50 ppb | |
| Chlorodibromomethane | 500 ppb | 474 ppb +/- 50 ppb | |
| Chloroform | 500 ppb | 478 ppb +/- 50 ppb | |
| 2-Chlorotoluene | 500 ppb | 527 ppb +/- 50 ppb | |
| Cyclohexane | 500 ppb | 469 ppb +/- 50 ppb | |
| 1,2-Dibromoethane | 500 ppb | 477 ppb +/- 50 ppb | |
| 1,2-Dichlorobenzene | 500 ppb | 495 ppb +/- 50 ppb | |
| 1,3-Dichlorobenzene | 500 ppb | 475 ppb +/- 50 ppb | |
| 1,4-Dichlorobenzene | 500 ppb | 476 ppb +/- 50 ppb | |
| Dichlorodifluoromethane (R12) | 500 ppb | 494 ppb +/- 50 ppb | |

| | | | |
|--------------------------------|---------|--------------------|--|
| 1,1-Dichloroethane | 500 ppb | 478 ppb +/- 50 ppb | |
| 1,2-Dichloroethane | 500 ppb | 483 ppb +/- 50 ppb | |
| 1,1-Dichloroethylene | 500 ppb | 479 ppb +/- 50 ppb | |
| cis 1,2-Dichloroethylene | 500 ppb | 475 ppb +/- 50 ppb | |
| trans 1,2-Dichloroethylene | 500 ppb | 475 ppb +/- 50 ppb | |
| 1,2-Dichloropropane | 500 ppb | 476 ppb +/- 50 ppb | |
| cis 1,3-Dichloropropylene | 500 ppb | 501 ppb +/- 50 ppb | |
| trans 1,3-Dichloropropylene | 500 ppb | 466 ppb +/- 50 ppb | |
| 1,2-Dichlorotetrafluoroethane | 500 ppb | 491 ppb +/- 50 ppb | |
| 1,4-Dioxane | 500 ppb | 470 ppb +/- 50 ppb | |
| Ethyl acetate | 500 ppb | 472 ppb +/- 50 ppb | |
| Ethyl Alcohol | 500 ppb | 550 ppb +/- 50 ppb | |
| Ethyl benzene | 500 ppb | 483 ppb +/- 50 ppb | |
| Ethyl Chloride | 500 ppb | 492 ppb +/- 50 ppb | |
| 4-Ethyltoluene | 500 ppb | 472 ppb +/- 50 ppb | |
| n-Heptane | 500 ppb | 473 ppb +/- 50 ppb | |
| Hexachloro-1,3-butadiene | 500 ppb | 475 ppb +/- 50 ppb | |
| 2-Hexanone | 500 ppb | 477 ppb +/- 50 ppb | |
| n-Hexane | 500 ppb | 471 ppb +/- 50 ppb | |
| Isopropyl alcohol | 500 ppb | 497 ppb +/- 50 ppb | |
| Isopropyl benzene | 500 ppb | 522 ppb +/- 50 ppb | |
| p-Isopropyl toluene | 500 ppb | 530 ppb +/- 50 ppb | |
| Methyl Bromide | 500 ppb | 491 ppb +/- 50 ppb | |
| Methyl Chloride | 500 ppb | 494 ppb +/- 50 ppb | |
| Methyl ethyl ketone | 500 ppb | 482 ppb +/- 50 ppb | |
| Methyl isobutyl ketone | 500 ppb | 479 ppb +/- 50 ppb | |
| Methyl methacrylate | 500 ppb | 527 ppb +/- 50 ppb | |
| Methyl tertiary butyl ether | 500 ppb | 470 ppb +/- 50 ppb | |
| Methylene chloride | 500 ppb | 484 ppb +/- 50 ppb | |
| Naphthalene | 500 ppb | 537 ppb +/- 50 ppb | |
| n-Propylbenzene | 500 ppb | 525 ppb +/- 50 ppb | |
| Propylene | 500 ppb | 494 ppb +/- 50 ppb | |
| Styrene | 500 ppb | 472 ppb +/- 50 ppb | |
| 1,1,1,2-Tetrachloroethane | 500 ppb | 530 ppb +/- 50 ppb | |
| 1,1,2,2-Tetrachloroethane | 500 ppb | 470 ppb +/- 50 ppb | |
| Tetrachloroethylene | 500 ppb | 473 ppb +/- 50 ppb | |
| Tetrahydrofuran | 500 ppb | 520 ppb +/- 50 ppb | |
| Toluene | 500 ppb | 477 ppb +/- 50 ppb | |
| 1,2,4-Trichlorobenzene | 500 ppb | 480 ppb +/- 50 ppb | |
| 1,1,1-Trichloroethane | 500 ppb | 480 ppb +/- 50 ppb | |
| 1,1,2-Trichloroethane | 500 ppb | 481 ppb +/- 50 ppb | |
| Trichloroethylene | 500 ppb | 474 ppb +/- 50 ppb | |
| Trichlorofluoromethane | 500 ppb | 494 ppb +/- 50 ppb | |
| 1,1,2-Trichlorotrifluoroethane | 500 ppb | 481 ppb +/- 50 ppb | |
| 1,2,4-Trimethylbenzene | 500 ppb | 480 ppb +/- 50 ppb | |
| 1,3,5-Trimethylbenzene | 500 ppb | 484 ppb +/- 50 ppb | |
| 2,2,4-Trimethylpentane | 500 ppb | 475 ppb +/- 50 ppb | |
| Vinyl acetate | 500 ppb | 485 ppb +/- 50 ppb | |
| Vinyl bromide | 500 ppb | 491 ppb +/- 50 ppb | |
| Vinyl chloride | 500 ppb | 493 ppb +/- 50 ppb | |
| m-Xylene | 500 ppb | 479 ppb +/- 50 ppb | |
| o-Xylene | 500 ppb | 466 ppb +/- 50 ppb | |
| p-Xylene | 500 ppb | 473 ppb +/- 50 ppb | |
| 2-Methyl Naphthalene | 500 ppb | 497 ppb +/- 50 ppb | |
| R-22 | 500 ppb | 589 ppb +/- 50 ppb | |
| Nitrogen | balance | balance | |
| | | | |
| | | | |

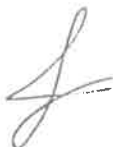
NOTES: Blend Tolerance: +/- 20 %
Analytical Tolerance: +/- 10 %
Traceability: NIST by weight set. NIST Traceability No MT001810.
Internal Standards by analysis
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.
Required wait time between analyses of >7 days.
Caution: Do not use below 150 PSIG.

Analyst Name: Joseph A. Ernst

QA Signature: 

Signature:

Date: 07/16/2024



*Every effort has been made to establish the actual concentration of the components using master gas blending technology however, Custom Gas Solutions shall have no liability in excess of the established charge for this material.