

## Prep Standard - Chemical Standard Summary

**Order ID :** Q3557

**Test :** TO-15

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VL110625,

**Standard ID :**

AP2684,AP2687,AP2688,AP2689,AP2690,

**Chemical ID :**

A1117,A1138,A1142,A1143,

## 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 | <a href="#">AP2684</a> | 10/14/2025       | 11/14/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                         |                        |                  |                        |                     |                |                  | 11/03/2025           |

**FROM** 2.40000psi of A1138 + 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 | <a href="#">AP2687</a> | 10/14/2025       | 11/14/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                       |                        |                  |                        |                     |                |                  | 11/03/2025           |

**FROM** 1455.00000SCCM of A1117 + 45.00000SCCM of A1142 = 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> |
|------------------|-----------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 2397             | TO-15 -2 PPBV CAL.MIX | <a href="#">AP2688</a> | 10/14/2025       | 11/14/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 11/03/2025       |                       |                        |                  |                        |                     |                |                  |                      |

**FROM** 26.00000psi of A1117 + 4.00000psi of AP2687 = 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 | <a href="#">AP2689</a> | 10/14/2025       | 11/14/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 11/03/2025       |                  |                        |                  |                        |                     |                |                  |                      |

**FROM** 29.00000psi of A1117 + 1.00000psi of AP2687 = 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                                                        | <a href="#">AP2690</a> | 10/14/2025       | 11/14/2025             | Semsettin Yesilyurt | None           | None             | Mahesh Dadoda<br>11/03/2025 |
| <u>FROM</u>      | 1455.00000SCCM of A1117 + 45.00000SCCM of A1143 = Final Quantity: 30.000 psi |                        |                  |                        |                     |                |                  |                             |

## CHEMICAL RECEIPT LOG BOOK

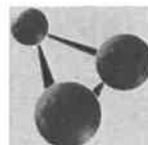
| Supplier    | ItemCode / ItemName       | Lot #          | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------|---------------------------|----------------|-----------------|-------------------------|-----------------------------|----------------|
| 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 | 12/16/2025      | 07/15/2025 / SAM        | 07/14/2025 / SAM            | A1138          |

| 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) | 051925-001A | 10/01/2026      | 10/13/2025 / sam        | 10/13/2025 / sam            | A1142          |

| 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) | 051925-001B | 10/01/2026      | 10/13/2025 / sam        | 10/13/2025 / sam            | A1143          |

# CUSTOMGAS SOLUTIONS



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

rec: 07/14/25  
A 1138

## 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: 012/16/2025

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:

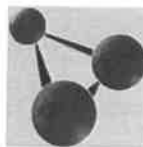
Signature:

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

A1142  
Rec 10/13/25

### Certificate of Analysis

#### Customer:

ChemTech  
284 Sheffield Street  
Mountainside, NJ 07092

Cylinder Number: BC993219  
Cylinder Size/CGA: 170/180  
Fill Pressure: 1815 PSIA  
Gas Volume: 110 liters  
Date of Mfg: 10/01/2025  
Expiration Date: 10/01/2026  
Lot Number: 051925-001A

Ship To : Chemtech  
284 Sheffield Street  
Mountainside, NJ 07092

| Customer Number | Ship VIA | Job No.    | Customer PO | Mixture Type |
|-----------------|----------|------------|-------------|--------------|
| 00107092NJ      | Best Way | 051925-001 | Email051925 | Gravimetric  |

| Component                     | Nominal Concentration | Actual Concentration* | Mixture Type           |
|-------------------------------|-----------------------|-----------------------|------------------------|
| Acetone                       | 500 ppb               | 508 ppb +/- 50 ppb    | Gravimetric Master Gas |
| Acetonitrile                  | 500 ppb               | 515 ppb +/- 50 ppb    |                        |
| Acrolein                      | 500 ppb               | 514 ppb +/- 50 ppb    |                        |
| Acrylonitrile                 | 500 ppb               | 519 ppb +/- 50 ppb    |                        |
| Allyl chloride                | 500 ppb               | 499 ppb +/- 50 ppb    |                        |
| Benzene                       | 500 ppb               | 475 ppb +/- 50 ppb    |                        |
| Benzyl Chloride               | 500 ppb               | 480 ppb +/- 50 ppb    |                        |
| Bromodichloromethane          | 500 ppb               | 500 ppb +/- 50 ppb    |                        |
| Bromoform                     | 500 ppb               | 486 ppb +/- 50 ppb    |                        |
| 1,3-Butadiene                 | 500 ppb               | 495 ppb +/- 50 ppb    |                        |
| tert-Butyl alcohol            | 500 ppb               | 512 ppb +/- 50 ppb    |                        |
| n-Butyl benzene               | 500 ppb               | 510 ppb +/- 50 ppb    |                        |
| sec-Butyl benzene             | 500 ppb               | 510 ppb +/- 50 ppb    |                        |
| tert-Butyl benzene            | 500 ppb               | 529 ppb +/- 50 ppb    |                        |
| Carbon disulfide              | 500 ppb               | 476 ppb +/- 50 ppb    |                        |
| Carbon tetrachloride          | 500 ppb               | 497 ppb +/- 50 ppb    |                        |
| Chlorobenzene                 | 500 ppb               | 483 ppb +/- 50 ppb    |                        |
| Chlorodibromomethane          | 500 ppb               | 488 ppb +/- 50 ppb    |                        |
| Chloroform                    | 500 ppb               | 483 ppb +/- 50 ppb    |                        |
| 2-Chlorotoluene               | 500 ppb               | 512 ppb +/- 50 ppb    |                        |
| Cyclohexane                   | 500 ppb               | 474 ppb +/- 50 ppb    |                        |
| 1,2-Dibromoethane             | 500 ppb               | 482 ppb +/- 50 ppb    |                        |
| 1,2-Dichlorobenzene           | 500 ppb               | 500 ppb +/- 50 ppb    |                        |
| 1,3-Dichlorobenzene           | 500 ppb               | 480 ppb +/- 50 ppb    |                        |
| 1,4-Dichlorobenzene           | 500 ppb               | 481 ppb +/- 50 ppb    |                        |
| Dichlorodifluoromethane (R12) | 500 ppb               | 499 ppb +/- 50 ppb    |                        |

|                                |         |                    |  |
|--------------------------------|---------|--------------------|--|
| 1,1-Dichloroethane             | 500 ppb | 483 ppb +/- 50 ppb |  |
| 1,2-Dichloroethane             | 500 ppb | 488 ppb +/- 50 ppb |  |
| 1,1-Dichloroethylene           | 500 ppb | 484 ppb +/- 50 ppb |  |
| cis 1,2-Dichloroethylene       | 500 ppb | 480 ppb +/- 50 ppb |  |
| trans 1,2-Dichloroethylene     | 500 ppb | 479 ppb +/- 50 ppb |  |
| 1,2-Dichloropropane            | 500 ppb | 481 ppb +/- 50 ppb |  |
| cis 1,3-Dichloropropylene      | 500 ppb | 507 ppb +/- 50 ppb |  |
| trans 1,3-Dichloropropylene    | 500 ppb | 457 ppb +/- 50 ppb |  |
| 1,2-Dichlorotetrafluoroethane  | 500 ppb | 496 ppb +/- 50 ppb |  |
| 1,4-Dioxane                    | 500 ppb | 475 ppb +/- 50 ppb |  |
| Ethyl acetate                  | 500 ppb | 477 ppb +/- 50 ppb |  |
| Ethyl Alcohol                  | 500 ppb | 513 ppb +/- 50 ppb |  |
| Ethyl benzene                  | 500 ppb | 488 ppb +/- 50 ppb |  |
| Ethyl Chloride                 | 500 ppb | 497 ppb +/- 50 ppb |  |
| 4-Ethyltoluene                 | 500 ppb | 477 ppb +/- 50 ppb |  |
| n-Heptane                      | 500 ppb | 478 ppb +/- 50 ppb |  |
| Hexachloro-1,3-butadiene       | 500 ppb | 480 ppb +/- 50 ppb |  |
| 2-Hexanone                     | 500 ppb | 482 ppb +/- 50 ppb |  |
| n-Hexane                       | 500 ppb | 476 ppb +/- 50 ppb |  |
| Isopropyl alcohol              | 500 ppb | 502 ppb +/- 50 ppb |  |
| Isopropyl benzene              | 500 ppb | 507 ppb +/- 50 ppb |  |
| p-Isopropyl toluene            | 500 ppb | 515 ppb +/- 50 ppb |  |
| Methyl Bromide                 | 500 ppb | 496 ppb +/- 50 ppb |  |
| Methyl Chloride                | 500 ppb | 499 ppb +/- 50 ppb |  |
| Methyl ethyl ketone            | 500 ppb | 487 ppb +/- 50 ppb |  |
| Methyl isobutyl ketone         | 500 ppb | 484 ppb +/- 50 ppb |  |
| Methyl methacrylate            | 500 ppb | 512 ppb +/- 50 ppb |  |
| Methyl tertiary butyl ether    | 500 ppb | 474 ppb +/- 50 ppb |  |
| Methylene chloride             | 500 ppb | 489 ppb +/- 50 ppb |  |
| Naphthalene                    | 500 ppb | 506 ppb +/- 50 ppb |  |
| n-Propylbenzene                | 500 ppb | 510 ppb +/- 50 ppb |  |
| Propylene                      | 500 ppb | 499 ppb +/- 50 ppb |  |
| Styrene                        | 500 ppb | 477 ppb +/- 50 ppb |  |
| 1,1,1,2-Tetrachloroethane      | 500 ppb | 515 ppb +/- 50 ppb |  |
| 1,1,2,2-Tetrachloroethane      | 500 ppb | 475 ppb +/- 50 ppb |  |
| Tetrachloroethylene            | 500 ppb | 478 ppb +/- 50 ppb |  |
| Tetrahydrofuran                | 500 ppb | 504 ppb +/- 50 ppb |  |
| Toluene                        | 500 ppb | 482 ppb +/- 50 ppb |  |
| 1,2,4-Trichlorobenzene         | 500 ppb | 485 ppb +/- 50 ppb |  |
| 1,1,1-Trichloroethane          | 500 ppb | 485 ppb +/- 50 ppb |  |
| 1,1,2-Trichloroethane          | 500 ppb | 485 ppb +/- 50 ppb |  |
| Trichloroethylene              | 500 ppb | 479 ppb +/- 50 ppb |  |
| Trichlorofluoromethane         | 500 ppb | 499 ppb +/- 50 ppb |  |
| 1,1,2-Trichlorotrifluoroethane | 500 ppb | 486 ppb +/- 50 ppb |  |
| 1,2,4-Trimethylbenzene         | 500 ppb | 485 ppb +/- 50 ppb |  |
| 1,3,5-Trimethylbenzene         | 500 ppb | 489 ppb +/- 50 ppb |  |
| 2,2,4-Trimethylpentane         | 500 ppb | 480 ppb +/- 50 ppb |  |
| Vinyl acetate                  | 500 ppb | 490 ppb +/- 50 ppb |  |
| Vinyl bromide                  | 500 ppb | 496 ppb +/- 50 ppb |  |
| Vinyl chloride                 | 500 ppb | 507 ppb +/- 50 ppb |  |
| m-Xylene                       | 500 ppb | 484 ppb +/- 50 ppb |  |
| o-Xylene                       | 500 ppb | 471 ppb +/- 50 ppb |  |
| p-Xylene                       | 500 ppb | 477 ppb +/- 50 ppb |  |
| 2-Methyl Naphthalene           | 500 ppb | 498 ppb +/- 50 ppb |  |
| R-22                           | 500 ppb | 590 ppb +/- 50 ppb |  |
| Nitrogen                       | balance | balance            |  |
|                                |         |                    |  |
|                                |         |                    |  |

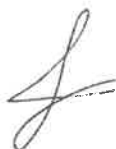
**NOTES:** Blend Tolerance: +/- 10 %  
Analytical Tolerance: +/- 10 %  
Traceability: NIST by weight set. NIST Traceability No MT001810.  
Internal Standards by analysis  
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.  
Required wait time between analyses of >7 days.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

**Analyst Name:** Joseph A. Ernst

**QA Signature:**

**Signature:**

**Date:** 10/01/2025



\*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

A 1143

Rec 10/13/25

### Certificate of Analysis

#### Customer:

ChemTech  
284 Sheffield Street  
Mountainside, NJ 07092

Cylinder Number: BC785565  
Cylinder Size/CGA: 170/180  
Fill Pressure: 1815 PSIA  
Gas Volume: 110 liters  
Date of Mfg: 10/01/2025  
Expiration Date: 10/01/2026  
Lot Number: 051925-001B

Ship To : Chemtech  
284 Sheffield Street  
Mountainside, NJ 07092

| Customer Number | Ship VIA | Job No.    | Customer PO | Mixture Type |
|-----------------|----------|------------|-------------|--------------|
| 00107092NJ      | Best Way | 051925-001 | Email051925 | Gravimetric  |

| Component                     | Nominal Concentration | Actual Concentration* | Mixture Type           |
|-------------------------------|-----------------------|-----------------------|------------------------|
| Acetone                       | 500 ppb               | 525 ppb +/- 50 ppb    | Gravimetric Master Gas |
| Acetonitrile                  | 500 ppb               | 525 ppb +/- 50 ppb    |                        |
| Acrolein                      | 500 ppb               | 534 ppb +/- 50 ppb    |                        |
| Acrylonitrile                 | 500 ppb               | 530 ppb +/- 50 ppb    |                        |
| Allyl chloride                | 500 ppb               | 517 ppb +/- 50 ppb    |                        |
| Benzene                       | 500 ppb               | 492 ppb +/- 50 ppb    |                        |
| Benzyl Chloride               | 500 ppb               | 497 ppb +/- 50 ppb    |                        |
| Bromodichloromethane          | 500 ppb               | 518 ppb +/- 50 ppb    |                        |
| Bromoform                     | 500 ppb               | 503 ppb +/- 50 ppb    |                        |
| 1,3-Butadiene                 | 500 ppb               | 512 ppb +/- 50 ppb    |                        |
| tert-Butyl alcohol            | 500 ppb               | 523 ppb +/- 50 ppb    |                        |
| n-Butyl benzene               | 500 ppb               | 510 ppb +/- 50 ppb    |                        |
| sec-Butyl benzene             | 500 ppb               | 520 ppb +/- 50 ppb    |                        |
| tert-Butyl benzene            | 500 ppb               | 520 ppb +/- 50 ppb    |                        |
| Carbon disulfide              | 500 ppb               | 493 ppb +/- 50 ppb    |                        |
| Carbon tetrachloride          | 500 ppb               | 515 ppb +/- 50 ppb    |                        |
| Chlorobenzene                 | 500 ppb               | 500 ppb +/- 50 ppb    |                        |
| Chlorodibromomethane          | 500 ppb               | 496 ppb +/- 50 ppb    |                        |
| Chloroform                    | 500 ppb               | 500 ppb +/- 50 ppb    |                        |
| 2-Chlorotoluene               | 500 ppb               | 523 ppb +/- 50 ppb    |                        |
| Cyclohexane                   | 500 ppb               | 491 ppb +/- 50 ppb    |                        |
| 1,2-Dibromoethane             | 500 ppb               | 499 ppb +/- 50 ppb    |                        |
| 1,2-Dichlorobenzene           | 500 ppb               | 518 ppb +/- 50 ppb    |                        |
| 1,3-Dichlorobenzene           | 500 ppb               | 497 ppb +/- 50 ppb    |                        |
| 1,4-Dichlorobenzene           | 500 ppb               | 498 ppb +/- 50 ppb    |                        |
| Dichlorodifluoromethane (R12) | 500 ppb               | 516 ppb +/- 50 ppb    |                        |

|                                |         |                    |  |
|--------------------------------|---------|--------------------|--|
| 1,1-Dichloroethane             | 500 ppb | 500 ppb +/- 50 ppb |  |
| 1,2-Dichloroethane             | 500 ppb | 505 ppb +/- 50 ppb |  |
| 1,1-Dichloroethylene           | 500 ppb | 501 ppb +/- 50 ppb |  |
| cis 1,2-Dichloroethylene       | 500 ppb | 497 ppb +/- 50 ppb |  |
| trans 1,2-Dichloroethylene     | 500 ppb | 496 ppb +/- 50 ppb |  |
| 1,2-Dichloropropane            | 500 ppb | 498 ppb +/- 50 ppb |  |
| cis 1,3-Dichloropropylene      | 500 ppb | 525 ppb +/- 50 ppb |  |
| trans 1,3-Dichloropropylene    | 500 ppb | 473 ppb +/- 50 ppb |  |
| 1,2-Dichlorotetrafluoroethane  | 500 ppb | 513 ppb +/- 50 ppb |  |
| 1,4-Dioxane                    | 500 ppb | 492 ppb +/- 50 ppb |  |
| Ethyl acetate                  | 500 ppb | 494 ppb +/- 50 ppb |  |
| Ethyl Alcohol                  | 500 ppb | 523 ppb +/- 50 ppb |  |
| Ethyl benzene                  | 500 ppb | 505 ppb +/- 50 ppb |  |
| Ethyl Chloride                 | 500 ppb | 515 ppb +/- 50 ppb |  |
| 4-Ethyltoluene                 | 500 ppb | 494 ppb +/- 50 ppb |  |
| n-Heptane                      | 500 ppb | 495 ppb +/- 50 ppb |  |
| Hexachloro-1,3-butadiene       | 500 ppb | 497 ppb +/- 50 ppb |  |
| 2-Hexanone                     | 500 ppb | 499 ppb +/- 50 ppb |  |
| n-Hexane                       | 500 ppb | 493 ppb +/- 50 ppb |  |
| Isopropyl alcohol              | 500 ppb | 520 ppb +/- 50 ppb |  |
| Isopropyl benzene              | 500 ppb | 518 ppb +/- 50 ppb |  |
| p-Isopropyl toluene            | 500 ppb | 524 ppb +/- 50 ppb |  |
| Methyl Bromide                 | 500 ppb | 514 ppb +/- 50 ppb |  |
| Methyl Chloride                | 500 ppb | 517 ppb +/- 50 ppb |  |
| Methyl ethyl ketone            | 500 ppb | 504 ppb +/- 50 ppb |  |
| Methyl isobutyl ketone         | 500 ppb | 501 ppb +/- 50 ppb |  |
| Methyl methacrylate            | 500 ppb | 523 ppb +/- 50 ppb |  |
| Methyl tertiary butyl ether    | 500 ppb | 491 ppb +/- 50 ppb |  |
| Methylene chloride             | 500 ppb | 506 ppb +/- 50 ppb |  |
| Naphthalene                    | 500 ppb | 517 ppb +/- 50 ppb |  |
| n-Propylbenzene                | 500 ppb | 519 ppb +/- 50 ppb |  |
| Propylene                      | 500 ppb | 516 ppb +/- 50 ppb |  |
| Styrene                        | 500 ppb | 494 ppb +/- 50 ppb |  |
| 1,1,1,2-Tetrachloroethane      | 500 ppb | 525 ppb +/- 50 ppb |  |
| 1,1,2,2-Tetrachloroethane      | 500 ppb | 492 ppb +/- 50 ppb |  |
| Tetrachloroethylene            | 500 ppb | 495 ppb +/- 50 ppb |  |
| Tetrahydrofuran                | 500 ppb | 510 ppb +/- 50 ppb |  |
| Toluene                        | 500 ppb | 499 ppb +/- 50 ppb |  |
| 1,2,4-Trichlorobenzene         | 500 ppb | 502 ppb +/- 50 ppb |  |
| 1,1,1-Trichloroethane          | 500 ppb | 502 ppb +/- 50 ppb |  |
| 1,1,2-Trichloroethane          | 500 ppb | 503 ppb +/- 50 ppb |  |
| Trichloroethylene              | 500 ppb | 496 ppb +/- 50 ppb |  |
| Trichlorofluoromethane         | 500 ppb | 517 ppb +/- 50 ppb |  |
| 1,1,2-Trichlorotrifluoroethane | 500 ppb | 503 ppb +/- 50 ppb |  |
| 1,2,4-Trimethylbenzene         | 500 ppb | 502 ppb +/- 50 ppb |  |
| 1,3,5-Trimethylbenzene         | 500 ppb | 506 ppb +/- 50 ppb |  |
| 2,2,4-Trimethylpentane         | 500 ppb | 497 ppb +/- 50 ppb |  |
| Vinyl acetate                  | 500 ppb | 507 ppb +/- 50 ppb |  |
| Vinyl bromide                  | 500 ppb | 514 ppb +/- 50 ppb |  |
| Vinyl chloride                 | 500 ppb | 515 ppb +/- 50 ppb |  |
| m-Xylene                       | 500 ppb | 501 ppb +/- 50 ppb |  |
| o-Xylene                       | 500 ppb | 488 ppb +/- 50 ppb |  |
| p-Xylene                       | 500 ppb | 494 ppb +/- 50 ppb |  |
| 2-Methyl Naphthalene           | 500 ppb | 498 ppb +/- 50 ppb |  |
| R-22                           | 500 ppb | 590 ppb +/- 50 ppb |  |
| Nitrogen                       | balance | balance            |  |
|                                |         |                    |  |
|                                |         |                    |  |

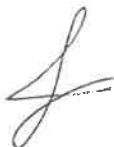
**NOTES:** Blend Tolerance: +/- 10 %  
Analytical Tolerance: +/- 10 %  
Traceability: NIST by weight set. NIST Traceability No MT001810.  
Internal Standards by analysis  
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.  
Required wait time between analyses of >7 days.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

**Analyst Name:** Joseph A. Ernst

**QA Signature:**

**Signature:**

**Date:** 10/01/2025



\*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.