

## Prep Standard - Chemical Standard Summary

**Order ID :** Q2750

**Test :** TO-15

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VL080425,

**Standard ID :**

AP2641,AP2642,AP2643,AP2644,AP2645,

**Chemical ID :**

A1117,A1138,A1139,A1140,

## 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 | <a href="#">AP2641</a> | 07/16/2025       | 08/16/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                       |                        |                  |                        |                     |                |                  | 07/28/2025           |

**FROM** 1455.00000SCCM of A1117 + 45.00000SCCM of A1140 = 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 | <a href="#">AP2642</a> | 07/16/2025       | 08/16/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                       |                        |                  |                        |                     |                |                  | 07/28/2025           |

**FROM** 26.00000psi of A1117 + 4.00000psi of AP2641 = 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> |
|------------------|------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 2668             | 0.5 PPBV CAL.MIX | <a href="#">AP2643</a> | 07/16/2025       | 08/16/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                  |                        |                  |                        |                     |                |                  | 07/28/2025           |

**FROM** 29.00000psi of A1117 + 1.00000psi of AP2641 = 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="#">AP2644</a> | 07/16/2025       | 08/16/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                       |                        |                  |                        |                     |                |                  | 07/28/2025           |

**FROM** 1455.00000SCCM of A1117 + 45.00000SCCM of A1139 = 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>        |
|--------------------------------------------------------------------------------------------|-----------------------------------------|------------------------|------------------|------------------------|---------------------|----------------|------------------|-----------------------------|
| 47                                                                                         | Internal Standard/Surrogate Mix-80 ppbv | <a href="#">AP2645</a> | 07/22/2025       | 08/23/2025             | Semsettin Yesilyurt | None           | None             | Mahesh Dadoda<br>07/28/2025 |
| <b><u>FROM</u></b> 2.40000psi of A1138 + 27.60000psi of A1117 = Final Quantity: 30.000 psi |                                         |                        |                  |                        |                     |                |                  |                             |

## CHEMICAL RECEIPT LOG BOOK

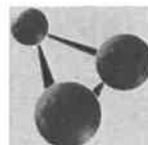
| Supplier    | ItemCode / ItemName       | Lot #          | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|-------------|---------------------------|----------------|-----------------|-------------------------|-----------------------------|----------------|
| 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) | 040424-003AR | 04/16/2026      | 07/16/2025 / SAM        | 07/14/2025 / SAM            | A1139          |

| 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) | 040424-003BR | 04/16/2026      | 07/16/2025 / SAM        | 07/14/2025 / SAM            | A1140          |

# 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:

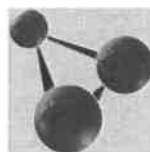
Signature:

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.

Rec 07/14/25

# CUSTOMGAS SOLUTIONS



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

A 1139

## Certificate of Analysis

### Customer:

ChemTech  
284 Sheffield Street  
Mountainside, NJ 07092

Cylinder Number: BC315629  
Cylinder Size/CGA: 170/180  
Fill Pressure: 1815 PSIA  
Gas Volume: 110 liters  
Date of Mfg: 04/16/2025  
Expiration Date: 04/16/2026  
Lot Number: 040424-003AR

Ship To : Chemtech  
284 Sheffield Street  
Mountainside, NJ 07092

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

| Component                     | Nominal Concentration | Actual Concentration* | Mixture Type           |
|-------------------------------|-----------------------|-----------------------|------------------------|
| Acetone                       | 500 ppb               | 519 ppb +/- 50 ppb    | Gravimetric Master Gas |
| Acetonitrile                  | 500 ppb               | 537 ppb +/- 50 ppb    |                        |
| Acrolein                      | 500 ppb               | 542 ppb +/- 50 ppb    |                        |
| Acrylonitrile                 | 500 ppb               | 532 ppb +/- 50 ppb    |                        |
| Allyl chloride                | 500 ppb               | 509 ppb +/- 50 ppb    |                        |
| Benzene                       | 500 ppb               | 486 ppb +/- 50 ppb    |                        |
| Benzyl Chloride               | 500 ppb               | 492 ppb +/- 50 ppb    |                        |
| Bromodichloromethane          | 500 ppb               | 512 ppb +/- 50 ppb    |                        |
| Bromoform                     | 500 ppb               | 497 ppb +/- 50 ppb    |                        |
| 1,3-Butadiene                 | 500 ppb               | 506 ppb +/- 50 ppb    |                        |
| tert-Butyl alcohol            | 500 ppb               | 529 ppb +/- 50 ppb    |                        |
| n-Butyl benzene               | 500 ppb               | 527 ppb +/- 50 ppb    |                        |
| sec-Butyl benzene             | 500 ppb               | 527 ppb +/- 50 ppb    |                        |
| tert-Butyl benzene            | 500 ppb               | 527 ppb +/- 50 ppb    |                        |
| Carbon disulfide              | 500 ppb               | 487 ppb +/- 50 ppb    |                        |
| Carbon tetrachloride          | 500 ppb               | 509 ppb +/- 50 ppb    |                        |
| Chlorobenzene                 | 500 ppb               | 494 ppb +/- 50 ppb    |                        |
| Chlorodibromomethane          | 500 ppb               | 490 ppb +/- 50 ppb    |                        |
| Chloroform                    | 500 ppb               | 495 ppb +/- 50 ppb    |                        |
| 2-Chlorotoluene               | 500 ppb               | 529 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 | 494 ppb +/- 50 ppb |  |
| 1,2-Dichloroethane             | 500 ppb | 499 ppb +/- 50 ppb |  |
| 1,1-Dichloroethylene           | 500 ppb | 496 ppb +/- 50 ppb |  |
| cis 1,2-Dichloroethylene       | 500 ppb | 491 ppb +/- 50 ppb |  |
| trans 1,2-Dichloroethylene     | 500 ppb | 491 ppb +/- 50 ppb |  |
| 1,2-Dichloropropane            | 500 ppb | 492 ppb +/- 50 ppb |  |
| cis 1,3-Dichloropropylene      | 500 ppb | 518 ppb +/- 50 ppb |  |
| trans 1,3-Dichloropropylene    | 500 ppb | 468 ppb +/- 50 ppb |  |
| 1,2-Dichlorotetrafluoroethane  | 500 ppb | 507 ppb +/- 50 ppb |  |
| 1,4-Dioxane                    | 500 ppb | 486 ppb +/- 50 ppb |  |
| Ethyl acetate                  | 500 ppb | 488 ppb +/- 50 ppb |  |
| Ethyl Alcohol                  | 500 ppb | 552 ppb +/- 50 ppb |  |
| Ethyl benzene                  | 500 ppb | 499 ppb +/- 50 ppb |  |
| Ethyl Chloride                 | 500 ppb | 509 ppb +/- 50 ppb |  |
| 4-Ethyltoluene                 | 500 ppb | 488 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 | 493 ppb +/- 50 ppb |  |
| n-Hexane                       | 500 ppb | 485 ppb +/- 50 ppb |  |
| Isopropyl alcohol              | 500 ppb | 511 ppb +/- 50 ppb |  |
| Isopropyl benzene              | 500 ppb | 524 ppb +/- 50 ppb |  |
| p-Isopropyl toluene            | 500 ppb | 532 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 | 529 ppb +/- 50 ppb |  |
| Methyl tertiary butyl ether    | 500 ppb | 483 ppb +/- 50 ppb |  |
| Methylene chloride             | 500 ppb | 498 ppb +/- 50 ppb |  |
| Naphthalene                    | 500 ppb | 539 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 | 532 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 | 501 ppb +/- 50 ppb |  |
| Vinyl chloride                 | 500 ppb | 509 ppb +/- 50 ppb |  |
| m-Xylene                       | 500 ppb | 495 ppb +/- 50 ppb |  |
| o-Xylene                       | 500 ppb | 482 ppb +/- 50 ppb |  |
| p-Xylene                       | 500 ppb | 488 ppb +/- 50 ppb |  |
| 2-Methyl Naphthalene           | 500 ppb | 498 ppb +/- 50 ppb |  |
| R-22                           | 500 ppb | 590 ppb +/- 50 ppb |  |
| Nitrogen                       | balance | balance            |  |
|                                |         |                    |  |
|                                |         |                    |  |

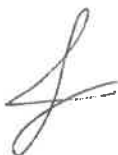
**NOTES:** Blend Tolerance: +/- 20 %  
Analytical Tolerance: +/- 10 %  
Traceability: NIST by weight set. NIST Traceability No MT001810.  
Internal Standards by analysis  
Reactive Mixtures: Analyzed twice with required agreement between analyses of 2%.  
Required wait time between analyses of >7 days.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

**Analyst Name:** Joseph A. Ernst

**QA Signature:**

**Signature:**

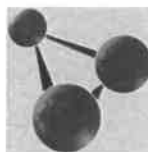
**Date:** 04/16/2025



\*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.

rev 07/14/25

# CUSTOMGAS SOLUTIONS



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

A1140

## Certificate of Analysis

### Customer:

ChemTech  
284 Sheffield Street  
Mountainside, NJ 07092

Cylinder Number: AD49101  
Cylinder Size/CGA: 170/180  
Fill Pressure: 1815 PSIA  
Gas Volume: 110 liters  
Date of Mfg: 04/16/2025  
Expiration Date: 04/16/2026  
Lot Number: 040424-003BR

Ship To : Chemtech  
284 Sheffield Street  
Mountainside, NJ 07092

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

| Component                     | Nominal Concentration | Actual Concentration* | Mixture Type           |
|-------------------------------|-----------------------|-----------------------|------------------------|
| Acetone                       | 500 ppb               | 460 ppb +/- 50 ppb    | Gravimetric Master Gas |
| Acetonitrile                  | 500 ppb               | 471 ppb +/- 50 ppb    |                        |
| Acrolein                      | 500 ppb               | 480 ppb +/- 50 ppb    |                        |
| Acrylonitrile                 | 500 ppb               | 476 ppb +/- 50 ppb    |                        |
| Allyl chloride                | 500 ppb               | 453 ppb +/- 50 ppb    |                        |
| Benzene                       | 500 ppb               | 431 ppb +/- 50 ppb    |                        |
| Benzyl Chloride               | 500 ppb               | 436 ppb +/- 50 ppb    |                        |
| Bromodichloromethane          | 500 ppb               | 454 ppb +/- 50 ppb    |                        |
| Bromoform                     | 500 ppb               | 441 ppb +/- 50 ppb    |                        |
| 1,3-Butadiene                 | 500 ppb               | 449 ppb +/- 50 ppb    |                        |
| tert-Butyl alcohol            | 500 ppb               | 469 ppb +/- 50 ppb    |                        |
| n-Butyl benzene               | 500 ppb               | 467 ppb +/- 50 ppb    |                        |
| sec-Butyl benzene             | 500 ppb               | 467 ppb +/- 50 ppb    |                        |
| tert-Butyl benzene            | 500 ppb               | 467 ppb +/- 50 ppb    |                        |
| Carbon disulfide              | 500 ppb               | 432 ppb +/- 50 ppb    |                        |
| Carbon tetrachloride          | 500 ppb               | 451 ppb +/- 50 ppb    |                        |
| Chlorobenzene                 | 500 ppb               | 438 ppb +/- 50 ppb    |                        |
| Chlorodibromomethane          | 500 ppb               | 474 ppb +/- 50 ppb    |                        |
| Chloroform                    | 500 ppb               | 438 ppb +/- 50 ppb    |                        |
| 2-Chlorotoluene               | 500 ppb               | 469 ppb +/- 50 ppb    |                        |
| Cyclohexane                   | 500 ppb               | 430 ppb +/- 50 ppb    |                        |
| 1,2-Dibromoethane             | 500 ppb               | 437 ppb +/- 50 ppb    |                        |
| 1,2-Dichlorobenzene           | 500 ppb               | 454 ppb +/- 50 ppb    |                        |
| 1,3-Dichlorobenzene           | 500 ppb               | 435 ppb +/- 50 ppb    |                        |
| 1,4-Dichlorobenzene           | 500 ppb               | 476 ppb +/- 50 ppb    |                        |
| Dichlorodifluoromethane (R12) | 500 ppb               | 452 ppb +/- 50 ppb    |                        |

|                                |         |                    |  |
|--------------------------------|---------|--------------------|--|
| 1,1-Dichloroethane             | 500 ppb | 438 ppb +/- 50 ppb |  |
| 1,2-Dichloroethane             | 500 ppb | 442 ppb +/- 50 ppb |  |
| 1,1-Dichloroethylene           | 500 ppb | 439 ppb +/- 50 ppb |  |
| cis 1,2-Dichloroethylene       | 500 ppb | 435 ppb +/- 50 ppb |  |
| trans 1,2-Dichloroethylene     | 500 ppb | 435 ppb +/- 50 ppb |  |
| 1,2-Dichloropropane            | 500 ppb | 436 ppb +/- 50 ppb |  |
| cis 1,3-Dichloropropylene      | 500 ppb | 460 ppb +/- 50 ppb |  |
| trans 1,3-Dichloropropylene    | 500 ppb | 415 ppb +/- 50 ppb |  |
| 1,2-Dichlorotetrafluoroethane  | 500 ppb | 450 ppb +/- 50 ppb |  |
| 1,4-Dioxane                    | 500 ppb | 431 ppb +/- 50 ppb |  |
| Ethyl acetate                  | 500 ppb | 433 ppb +/- 50 ppb |  |
| Ethyl Alcohol                  | 500 ppb | 489 ppb +/- 50 ppb |  |
| Ethyl benzene                  | 500 ppb | 442 ppb +/- 50 ppb |  |
| Ethyl Chloride                 | 500 ppb | 451 ppb +/- 50 ppb |  |
| 4-Ethyltoluene                 | 500 ppb | 432 ppb +/- 50 ppb |  |
| n-Heptane                      | 500 ppb | 434 ppb +/- 50 ppb |  |
| Hexachloro-1,3-butadiene       | 500 ppb | 436 ppb +/- 50 ppb |  |
| 2-Hexanone                     | 500 ppb | 437 ppb +/- 50 ppb |  |
| n-Hexane                       | 500 ppb | 432 ppb +/- 50 ppb |  |
| Isopropyl alcohol              | 500 ppb | 455 ppb +/- 50 ppb |  |
| Isopropyl benzene              | 500 ppb | 465 ppb +/- 50 ppb |  |
| p-Isopropyl toluene            | 500 ppb | 530 ppb +/- 50 ppb |  |
| Methyl Bromide                 | 500 ppb | 450 ppb +/- 50 ppb |  |
| Methyl Chloride                | 500 ppb | 453 ppb +/- 50 ppb |  |
| Methyl ethyl ketone            | 500 ppb | 442 ppb +/- 50 ppb |  |
| Methyl isobutyl ketone         | 500 ppb | 439 ppb +/- 50 ppb |  |
| Methyl methacrylate            | 500 ppb | 469 ppb +/- 50 ppb |  |
| Methyl tertiary butyl ether    | 500 ppb | 430 ppb +/- 50 ppb |  |
| Methylene chloride             | 500 ppb | 443 ppb +/- 50 ppb |  |
| Naphthalene                    | 500 ppb | 478 ppb +/- 50 ppb |  |
| n-Propylbenzene                | 500 ppb | 525 ppb +/- 50 ppb |  |
| Propylene                      | 500 ppb | 452 ppb +/- 50 ppb |  |
| Styrene                        | 500 ppb | 432 ppb +/- 50 ppb |  |
| 1,1,1,2-Tetrachloroethane      | 500 ppb | 471 ppb +/- 50 ppb |  |
| 1,1,2,2-Tetrachloroethane      | 500 ppb | 431 ppb +/- 50 ppb |  |
| Tetrachloroethylene            | 500 ppb | 434 ppb +/- 50 ppb |  |
| Tetrahydrofuran                | 500 ppb | 477 ppb +/- 50 ppb |  |
| Toluene                        | 500 ppb | 438 ppb +/- 50 ppb |  |
| 1,2,4-Trichlorobenzene         | 500 ppb | 440 ppb +/- 50 ppb |  |
| 1,1,1-Trichloroethane          | 500 ppb | 440 ppb +/- 50 ppb |  |
| 1,1,2-Trichloroethane          | 500 ppb | 440 ppb +/- 50 ppb |  |
| Trichloroethylene              | 500 ppb | 435 ppb +/- 50 ppb |  |
| Trichlorofluoromethane         | 500 ppb | 453 ppb +/- 50 ppb |  |
| 1,1,2-Trichlorotrifluoroethane | 500 ppb | 441 ppb +/- 50 ppb |  |
| 1,2,4-Trimethylbenzene         | 500 ppb | 440 ppb +/- 50 ppb |  |
| 1,3,5-Trimethylbenzene         | 500 ppb | 444 ppb +/- 50 ppb |  |
| 2,2,4-Trimethylpentane         | 500 ppb | 435 ppb +/- 50 ppb |  |
| Vinyl acetate                  | 500 ppb | 444 ppb +/- 50 ppb |  |
| Vinyl bromide                  | 500 ppb | 450 ppb +/- 50 ppb |  |
| Vinyl chloride                 | 500 ppb | 451 ppb +/- 50 ppb |  |
| m-Xylene                       | 500 ppb | 439 ppb +/- 50 ppb |  |
| o-Xylene                       | 500 ppb | 427 ppb +/- 50 ppb |  |
| p-Xylene                       | 500 ppb | 433 ppb +/- 50 ppb |  |
| 2-Methyl Naphthalene           | 500 ppb | 497 ppb +/- 50 ppb |  |
| R-22                           | 500 ppb | 435 ppb +/- 50 ppb |  |
| Nitrogen                       | balance | balance            |  |
|                                |         |                    |  |
|                                |         |                    |  |

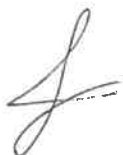
**NOTES:** **Blend Tolerance:** +/- 20 %  
**Analytical Tolerance:** +/- 10 %  
**Traceability:** NIST by weight set. NIST Traceability No MT001810.  
Internal Standards by analysis  
**Reactive Mixtures:** Analyzed twice with required agreement between analyses of 2%.  
Required wait time between analyses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

**Analyst Name:** Joseph A. Ernst

**QA Signature:**

**Signature:**

**Date:** 04/16/2025



\*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.