

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789

8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

Order ID :	Q3626
Test :	TO-15
Prepbatch ID :	
Sequence ID/Qc Bate	ch ID: VL111925,VL112025,
Sequence ib/Qc Bat	CHID. VETT1925, VETT2025,
Standard ID : AP2691,AP2694,AP2	2695,AP2696,AP2697,
Chemical ID : A1117,A1141,A1142,A	A1143,





Air STANDARD PREPARATION LOG

Recipe ID	<u>NAME</u>	NO.	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Mahesh Dadoda
47	Internal Standard/Surrogate Mix-80 ppbv	<u>AP2691</u>	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	11/25/2025

FROM 2.40000psi of A1141 + 27.60000psi of A1117 = Final Quantity: 30.000 psi

Recipe ID	NAME.	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Mahesh Dadoda
2396	TO-15 15 PPBV CAL MIX	<u>AP2694</u>	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	11/25/2025

FROM 1455.00000SCCM of A1117 + 45.00000SCCM of A1142 = Final Quantity: 30.000 psi





Air STANDARD PREPARATION LOG

Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Mahesh Dadoda
2397	TO-15 -2 PPBV CAL.MIX	<u>AP2695</u>	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	11/25/2025

FROM	26.00000psi of A1117	+ 4.00000psi of AP2694	= Final Quantity: 30.000	psi
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Recipe ID	NAME	<u>NO.</u>	Prep Date	Expiration Date	Prepared By	<u>ScaleID</u>	<u>PipetteID</u>	Supervised By Mahesh Dadoda
2668	0.5 PPBV CAL.MIX	<u>AP2696</u>	11/18/2025	12/18/2025	Semsettin Yesilyurt	None	None	11/25/2025

FROM 29.00000psi of A1117 + 1.00000psi of AP2694 = Final Quantity: 30.000 psi





Air STANDARD PREPARATION LOG

Recipe ID 2396	NAME TO-15 15 PPBV CAL MIX	NO. AP2697	Prep Date 11/18/2025	Expiration Date 12/18/2025	Prepared By Semsettin Yesilyurt	<u>ScaleID</u> None	PipetteID None	Supervised By Mahesh Dadoda 11/25/2025
FROM	1455.00000SCCM of A1117 + 45.000	000SCCM o	f A1143 = Fin	al 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	BC884004	10/01/2026	10/14/2025 / sam	10/13/2025 / sam	A1141
	Standard					

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



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

Certificate of Analysis

A 1141

Customer:

Chem Tech 284 Sheffield Street Mountainside, NJ 07092

Tel: (908) 789-8900

Ship To:

Chem Tech

284 Sheffield Street Mountainside, NJ 07092

Cylinder Number: BC884004 Cylinder Size/CGA: 170/180SS Fill Pressure: 1815 PSIA

Gas Volume: ~170 liters Date of Mfg: 10/01/2025 Expiration Date: 10/01/2026

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

Component	Nominal Concentration	Actual Concentration*	Mixture Type
Bromochloromethane	1 ppm	1.019 ppm +/- 0.02 ppm	Gravimetric Master Gas
4-Bromofluorobenzene	1 ppm	1.013 ppm +/- 0.02 ppm	
Chlorobenzene-D5	1 ppm	0.993 ppm +/- 0.02 ppm	
1,4-Difluorbenzene	1 ppm	0.981 ppm +/- 0.02 ppm	DESTRUCTION OF
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: 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.



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

Phone: (919) 220-2570 Fax: (919) 220-4540 A1142 Rec 10/13/25

Certificate of Analysis

Customer:

ChemTech 284 Sheffield Street Mountianside, 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	The state of the s
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-Dichlororethylene	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 1	457 ppb:+/- 50 ppb >	
1,2-Dichlorotetrafluoroethane	500 ppb	496 ppb +/- 50 ppb	PERSONAL PROPERTY OF STREET
1,4-Dioxane	500 ppb	475 ppb #/- 50 ppb	自然的 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Ethyl acetate	500 ppb	477 ppb +/- 50 ppb	
Ethyl Alcohol Factors	500 ppb*)513 ppb ¥/4 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	Den En eksy (Aliana) a a a a a a
n-Heptane	500 ppb * *	478 ppb +/= 50 ppb * · · · //	
Hexachloro-1,3-butadiene	500 ppb	480 ppb +/- 50 ppb	
2-Hexanone	√500 ppb 4 / ∞		
n-Hexane	500 ppb	476 ppb +/- 50 ppb	District to the second of the Charles of
Isopropyl alcohol	500 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	PURE STUDIES JUST EST THE
Methyl Chloride	500 ppb	499 ppb +/- 50 ppb	Landy C. Landson, Landson
Methyl ethyl ketone	500 ppb	487 ppb +/- 50 ppb	
Methyl isobutyl ketone	500 ppb	484 ppb +/- 50 ppb	No. of the second second
Methyl methacrylate	500 ppb	512 ppb +/- 50 ppb	
Methyl tertiary outyl ether	500 ppb	474 ppb +/- 50 ppb.	
Methylene chloride	500 ppb	489 ppb +/- 50 ppb	
Naphthalene	500 ppb	506 ppb +/- 50 ppb	SW VIII DE LES
n-Propylbenzene	500 ppb	510 ppb +/- 50 ppb	
Propylene	500 ppb / ·	499 ppb #/~ 50 ppb	A market and the second
Styrene	500 ppb	477 ppb +/- 50 ppb	
1,1,1,2-Tetrachloroethane	Delta de la constante de la co	515 ppb #/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb	475 ppb +/- 50 ppb	Chief Carlotte Committee of the Committe
Tetrachloroethylenes	,500 ppb	478 ppb +/= 50 ppb	
Tetrahydrofuran	500 ppb	504 ppb +/- 50 ppb	
Poluene	500 ppb	482 ppb +/- 50 ppb	" Sales and the second
1,2,4-Trichlorobenzene	500 ppb	485 ppb +/- 50 ppb	
L.I. Trichloroethane		485 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	485 ppb +/- 50 ppb	ALI (1) 美国共享的现在分词
Prichloroethylene	And the second s	479 ppb -/- 50 ppb	ENDING ROLL WAS CONTIN
Trichlorofluoromethane	500 ppb	499 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	Management of the same of the	486 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	485 ppb +/- 50 ppb	STORES EN
,3,5-Trimethylbenzene		489 ppb +/- 50 ppb	
2,2,4- Trimethylpentane		480 ppb +/- 50 ppb	
Vinyl acetate	Contract of the Contract of th	490 ppb +/- 50 ppb	SACAL PROPERTY AND ASSOCIATE OF
Vinyl bromide		496 ppb +/- 50 ppb	
inyl chloride	And the second of the second o	507 ppb +/- 50 ppb	
n-Xylene		484 ppb +/- 50 ppb	
-Xylene		471 ppb +/- 50 ppb	
-Xylene		477 ppb +/- 50 ppb	
-Methyl Naphthalene		498 ppb +/- 50 ppb	
3-22		590 ppb +/- 50 ppb	
litrogen	The state of the s	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.



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Fax: (919) 220-4540

A 1143 Rec 10/13/25

Certificate of Analysis

Customer:

ChemTech 284 Sheffield Street Mountianside, 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	ALSO RESERVED
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	

	A STATE OF THE PARTY OF		
Nitrogen		balance?	
R-22	the state of the s	590 ppb +/- 50 ppb	CANAL VIOLETTING SERVICE
2-Methyl Naphthalene		Car de April de Caracter de Ca	
p-Xylene		488 ppb +/- 50 ppb 494 ppb +/- 50 ppb	
o-Xylene		501 ppb +/- 50 ppb	Call Section 1
m-Xylene		515 ppb +/- 50 ppb	tla — year and a dispersion of
Vinyl bromide Vinyl chloride		514 ppb +/- 50 ppb	
Vinyl acetate	500 ppb	507 ppb +/- 50 ppb	
2,2,4- Trimethylpentane	500 ppb	497 ppb +/- 50 ppb	
1,3,5-Trimethylbenzene		506 ppb +/- 50 ppb	
1,2,4-Trimethylbenzene	500 ppb	502 ppb +/- 50 ppb	
1,1,2-Trichlorotrifluoroethane	500 ppb	503 ppb +/- 50 ppb	
Trichlorofluoromethane	500 ppb	517 ppb +/- 50 ppb	
Trichloroethylene	500 ppb	496 ppb +/- 50 ppb	
1,1,2-Trichloroethane	500 ppb	503 ppb +/- 50 ppb	· · · · · · · · · · · · · · · · · · ·
1,14 Trichloroethane		-502 ppb #/-50 ppb	
1,2,4-Trichlorobenzene	500 ppb	502 ppb +/- 50 ppb	
		499 ppb 4/- 50 ppb	
Tetrahydrofuran	500 ppb	495 ppb #/- 50 ppb 510 ppb +/- 50 ppb	
Tetrachloroethylene	500 ррь	492 ppb +/- 50 ppb 495 ppb +/- 50 ppb	
1,1,2,2-Tetrachloroethane	500 ppb a 500 ppb	525 ppb 47 50 ppb	Market & Market (MA)
1,1,1,2. Tetrachloroethane	500 ppb	494 ppb +/- 50 ppb	the state of the s
Propylene & Styrene	500 ppb	516 ppb +/- 50 ppb	
n-Propylbenzene	500 ppb	519 ppb +/- 50 ppb	
Naphthalene	500 ppb €	517 ppb=/-50 ppb	
Methylene chloride	500 ppb	506 ppb +/- 50 ppb	
Methyl tertiary butyl ether	500 ppb	*491 ppb +/- 50 ppb	
Methyl methacrylate	500 ppb	523 ppb +/- 50 ppb	No.
Methyl isobutyl ketone	500 ppb	501 ppb +/- 50 ppb	
Methyl ethyl ketone	500 ppb	504 ppb +/- 50 ppb	
Methyl Chloride	500 ppb	517 ppb +/- 50 ppb	
Methyl Bromide	500 ppb	514 ppb +/- 50 ppb	
p-Isopropyl toluene *	500 ppb	-524 ppb +/- 50 ppb	
Isopropyl benzene	500 ppb	518 ppb +/- 50 ppb	
Isopropyl alcohol	500 ppb	520 ppb +/- 50 ppb 9	
n-Hexane	500 ppb	493 ppb +/- 50 ppb	
2-Hexanone	500 ppb	499 ppb ±/- 50 ppb	COROLLEGISTATION CONTRACTOR
Hexachloro-1,3-butadiene	500 ppb	495 ppb +/- 50 ppb 497 ppb +/- 50 ppb	
n-Heptane	500 ppb	494 ppb +/- 50 ppb	
4-Ethyltoluene	500 ppb	1515 ppb +/- 50 ppb	4.4.36.67
Ethyl Chloride	500 ppb	505 ppb +/- 50 ppb	
Ethyl benzene		523 ppb +/= 50 ppb :	SACTION OF STREET
Ethyl Alcohol	500 ppb	494 ppb +/- 50 ppb	
1:4-Dioxane Ethyl acetate		492 ppb +/- 50 ppb	
1,2-Dichlorotetrafluoroethane	500 ppb	513 ppb +/- 50 ppb	
drans 1.3-Dichloropropylene		473 ppb +/- 50 ppb	
cis 1,3-Dichloropropylene	500 ppb	525 ppb +/- 50 ppb	
1,2-Dichloropropane	500 ppb	498 ppb +/- 50 ppb	
trans 1,2-Dichloroethylene	500 ppb	496 ppb +/- 50 ppb	
cis 1,2-Dichloroethylene	500 ppb	497 ppb +/- 50 ppb	
1,1-Dichlororethylene	500 ppb	501 ppb +/- 50 ppb	
1,2-Dichloroethane	500 ppb	505 ppb +/- 50 ppb	
1,1-Dichloroethane	500 ppb	500 ppb +/- 50 ppb	

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.