

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

8900, Fax: 908 789 8922

Prep Standard - Chemical Standard Summary

| Order ID : | Q2552 |
|---|--|
| Test : | VOCGC Group 1 |
| | |
| Prepbatch ID : | PB169164, |
| Sequence ID/Qc Bat | ch ID: PQ080825, |
| Standard ID : PP24775,PP24777,P | PP24778,PP24779,PP24780,PP24792,PP24793,PP24794,PP24795,PP24796,PP24797, |
| | |
| | |
| Chemical ID : E3962,M4459,P1221 | 4,P13235,P13240,P13891,V14625,W3112, |
| | |
| | |
| | |
| | |





Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | <u>NO.</u> | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|-------------------------------|------------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 2263 | EDB-DBCP 2 PPM Stock Solution | PP24775 | 08/05/2025 | 01/29/2026 | Yogesh Patel | None | None | 08/19/2025 |
| | | | | | | | | 00/10/2020 |

| Recipe ID | NAME | <u>NO.</u> | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|--------------------------------------|----------------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 2517 | EDB-DBCP 100 PPB Working Solution | <u>PP24777</u> | 08/05/2025 | 01/29/2026 | Yogesh Patel | None | None | 08/19/2025 |

FROM 9.50000ml of V14625 + 0.50000ml of PP24775 = Final Quantity: 10.000 ml





Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | <u>NAME</u> | NO. | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|--|----------------|------------|--------------------|----------------|----------------|------------------|---------------------------|
| 2264 | EDB-DBCP 2 PPM Stock Solution 2nd Source | <u>PP24778</u> | 08/05/2025 | 01/29/2026 | Yogesh Patel | None | None | 08/19/2025 |
| | | | | | | | | |

| Recipe ID | NAME | <u>NO.</u> | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|--|----------------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 2518 | EDB-DBCP 100 PPB Working Sol. 2nd Source | <u>PP24779</u> | 08/05/2025 | 01/29/2026 | Yogesh Patel | None | None | 08/19/2025 |

FROM 9.50000ml of V14625 + 0.50000ml of PP24778 = Final Quantity: 10.000 ml





Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|---------------------------|---------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 2267 | DBCM 2 PPM Stock Solution | PP24780 | 08/05/2025 | 01/29/2026 | Yogesh Patel | None | None | 08/19/2025 |
| | | | | | | | | 06/19/2023 |

| FROM | 0.01000ml of P13240 + 9.99000ml of V14625 = Final Quantity: 10.000 ml |
|-------------|---|
|-------------|---|

| Recipe | | | | Expiration | Prepared | | | Supervised By |
|-----------|-------------------------|------------|------------|-------------|--------------|----------------|------------------|---------------|
| <u>ID</u> | <u>NAME</u> | <u>NO.</u> | Prep Date | <u>Date</u> | <u>By</u> | <u>ScaleID</u> | <u>PipetteID</u> | Abdul Mirza |
| 2269 | M8011-504.1 0.5 PPB STD | PP24792 | 08/08/2025 | 01/29/2026 | Yogesh Patel | None | None | |
| | | | | | | | | 08/19/2025 |

FROM 35.00000ml of W3112 + 0.17500ml of PP24777 = Final Quantity: 35.000 ml





Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | NO. | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|--------------------------|---------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 2270 | M8011-504.1 0.25 PPB STD | PP24793 | 08/08/2025 | 01/29/2026 | Yogesh Patel | None | None | |
| | | | | | | | | 08/19/2025 |

| FROM | 35.00000ml of W3112 + 0.08750ml of PP24777 | = Final Quantity: 35.000 ml |
|------|--|-----------------------------|
|------|--|-----------------------------|

| Recipe | | | | Expiration | Prepared | | | Supervised By |
|-----------|-------------------------|---------|------------|-------------|--------------|----------------|------------------|---------------|
| <u>ID</u> | <u>NAME</u> | NO. | Prep Date | <u>Date</u> | <u>By</u> | <u>ScaleID</u> | <u>PipetteID</u> | Abdul Mirza |
| 2271 | M8011-504.1 0.1 PPB STD | PP24794 | 08/08/2025 | 01/29/2026 | Yogesh Patel | None | None | |
| | | | | | | | | 08/19/2025 |

FROM 35.00000ml of W3112 + 0.03500ml of PP24777 = Final Quantity: 35.000 ml





Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID | NAME | <u>NO.</u> | Prep Date | Expiration Date | Prepared By | <u>ScaleID</u> | <u>PipetteID</u> | Supervised By Abdul Mirza |
|--------------|--------------------------|------------|------------|--------------------|----------------|----------------|------------------|----------------------------|
| 2272 | M8011-504.1 0.05 PPB STD | PP24795 | 08/08/2025 | 01/29/2026 | Yogesh Patel | None | None | |
| - | | | | | | | | 08/19/2025 |

| FROM | 35.00000ml of W3112 + 0.01750ml of PP24777 | = Final Quantity: 35.000 ml |
|------|--|-----------------------------|
|------|--|-----------------------------|

| Recipe | | | | Expiration | <u>Prepared</u> | | | Supervised By |
|-----------|---------------------------|------------|------------|-------------------|-----------------|----------------|------------------|---------------|
| <u>ID</u> | NAME | <u>NO.</u> | Prep Date | <u>Date</u> | <u>By</u> | <u>ScaleID</u> | <u>PipetteID</u> | Abdul Mirza |
| 2273 | M8011-504.1 0.025 PPB STD | PP24796 | 08/08/2025 | 01/29/2026 | Yogesh Patel | None | None | |
| | | | | | | | | 08/19/2025 |

FROM 35.00000ml of W3112 + 0.00880ml of PP24777 = Final Quantity: 35.000 ml





Pest/Pcb STANDARD PREPARATION LOG

| Recipe ID 2274 | NAME M8011-504.1 0.1 PPB ICV STD | NO. PP24797 | Prep Date 08/08/2025 | Expiration Date 01/29/2026 | Prepared By Yogesh Patel | <u>ScaleID</u> None | PipetteID None | Supervised By Abdul Mirza 08/19/2025 |
|----------------------|-------------------------------------|----------------|-------------------------|----------------------------|--------------------------------|------------------------|-------------------|--------------------------------------|
| FROM | 35.00000ml of W3112 + 0.03500ml o | f PP24779 | = Final Quant | tity: 35.000 ml | | | | |



CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--|------------|--------------------|----------------------------|--------------------------------|-------------------|
| Seidler Chemical | BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L) | 25C0362005 | 04/30/2026 | 08/05/2025 / RUPESH | 07/30/2025 / RUPESH | E3962 |
| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
| Seidler Chemical | BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg) | 0000237721 | 04/13/2026 | 10/03/2022 / Ankita | 10/30/2019 / AMANDEEP | M4459 |
| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
| Restek | 30239 / 504.1 Calibration Mix (3 components) | A0170154 | 01/29/2026 | 07/30/2024 / Ankita | 11/28/2022 / Ankita | P12214 |
| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
| Restek | 30272 / 1,2-Dibromoethane Standard, 2000 ug/ml | A0183330 | 03/31/2027 | 08/05/2025 / yogesh | 02/02/2024 / Ankita | P13235 |
| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
| Restek | 30271 / Dibromochloromethane Standard, 2,000 ug/ml | A0204416 | 06/30/2029 | 08/05/2025 / yogesh | 02/02/2024 / Ankita | P13240 |
| | | | | 1 | | 1 |
| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |



CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---|------------|--------------------|----------------------------|--------------------------------|-------------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 2310762004 | 01/29/2026 | 07/29/2025 / SAM | 11/26/2024 / SAM | V14625 |

| Supplier | ItemCode / ItemName | Lot # | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|---------------------|---------------------|--------------------|----------------------------|--------------------------------|-------------------|
| Seidler Chemical | DIW / DI Water | Daily Lab-Certified | 07/03/2029 | 07/03/2024 / lwona | 07/03/2024 / Iwona | W3112 |

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis





Material No.: 9077-02

Batch No.: 2310762004

Manufactured Date: 2023-08-11 Expiration Date: 2026-08-10

Revision No.: 0

Certificate of Analysis

| Test | Specification | Result |
|--|---------------|----------|
| Assay (CH₃OH) (by GC, corrected for water) | ≥ 99.9 % | 100.0 % |
| Residue after Evaporation | ≤ 1.0 ppm | 0.5 ppm |
| Titrable Acid (µeq/g) | ≤ 0.3 | 0.2 |
| Titrablė Base (µeq/g) | ≤ 0.10 | 0.01 |
| Water (by KF, coulometric) | ≤ 0.08 % | < 0.01 % |
| Volatile Organic Trace Analysis – Below EPA 8260B CRQL | Conforms | Conforms |

For Laboratory,Research,or Manufacturing Use Performance Tested for Use in EPA Methods 500 Series for Drinking Water 600 Series for Wastewater 846 for Solid Waste

Country of Origin: USA

Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein

Sodium Chloride, Crystal BAKER ANALYZED® A.C.S. Reagent





From M4452 to M4459

Received on - 10/30/2019 Received by -: AK

Material No.: 3624-05

Batch No.: 0000237721

Manufactured Date: 2019/04/15

Retest Date: 2026/04/13

Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

| Test | Specification | Result |
|------------------------------------|---------------|---------|
| Assay (NaCl) (by Ag titrn) | >= 99.0 % | 100.3 |
| pH of 5% Solution at 25℃ | 5.0 - 9.0 | 6.0 |
| ACS – Insoluble Matter | <= 0.005 % | < 0.001 |
| lodide (I) | <= 0.002 % | < 0.002 |
| Bromide (Br) | <= 0.01 % | < 0.01 |
| Chlorate and Nitrate (as NO3) | <= 0.003 % | < 0.001 |
| ACS – Phosphate (PO ₄) | <= 5 ppm | < 5 |
| Sulfate (SO ₄) | <= 0.004 % | < 0.004 |
| Barium (Ba) | Passes Test | PT |
| ACS – Heavy Metals (as Pb) | <= 5 ppm | < 5 |
| Iron (Fe) | <= 2 ppm | < 2 |
| Calcium (Ca) | <= 0.002 % | < 0.001 |
| Magnesium (Mg) | <= 0.001 % | < 0.001 |
| Potassium (K) | <= 0.005 % | 0.002 |

For Laboratory, Research or Manufacturing Use

Meets Reagent Specifications for testing USP/NF monographs

Country of Origin:

US

Packaging Site:

Paris Mfg Ctr & DC



n-Hexane 95% ULTRA RESI-ANALYZED For Organic Residue Analysis



Material No.: 9262-03

Batch No.: 25C0362005

Manufactured Date: 2025-01-29

Expiration Date:2026-04-30

Revision No.: 0

Certificate of Analysis

| Test | Specification | Result |
|--|---------------|----------------------|
| FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL) | <= 5 | 1 |
| ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL) | <= 10 | 6 |
| ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL) | <= 5 | 5 |
| Assay (Total Saturated C6 Isomers) (byGC, corrected for water) | >= 99.5 % | 100.0 % |
| Assay (as n-Hexane) (by GC, correctedfor water) | >= 95 % | 100 % |
| Color (APHA) | <= 10 | 10 |
| Residue after Evaporation | <= 1.0 ppm | 0.1 ppm ⁻ |
| Substances Darkened by H ₂ SO ₄ | Passes Test | Passes Test |
| Water (by KF, coulometric) | <= 0.05 % | <0.01 % |

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recieved on 7/30/25

Ariandan Bankannanaa Masantala 117



Bellefonte, PA 16823-8812 Tel: (800)356-1688 Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL











Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Lot No.: A0183330

30272 Catalog No.:

1,2-Dibromoethane Standard Description:

1,2-Dibromoethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size:

0°C or colder ×1mL Pkg Amt: Storage: March 31, 2027

Expiration Date:

Ship: Ambient

Ø VALUE TIFIED œ ш ပ

| Elution Order | Compound | puno | Grav. Conc. (weight/volume) | Expanded Unce (95% C.L.; K=2) | Expanded Uncertainty (95% C.L.; K=2) | A. V. | |
|------------------|---|----------------|--------------------------------|---|--------------------------------------|---------------------------------------|--|
| - | 1,2-Dibromoethane (EDB) CAS # 106-93-4 Purity 99% | (Lot BCBZ7221) | 2,016.0 μg/mL | +/- 18.7477 +/- 113.9782 +/- 116.6017 | μg/mL μg/mL μg/mL | Gravimetric Unstressed Stressed | |

P&T Methanol CAS# Solvent:

67-56-1 99% Purity

42/20/20 613233

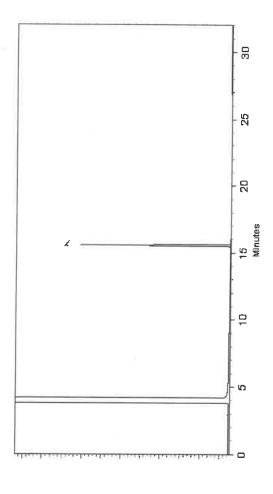
Column: 105m x 0.53mm x 3.0µm Rtx-502.2 (cat.#10910)

hydrogen-constant pressure 11.0 psl. Carrier Gas:

Temp. Program: 40°C (hold 2 min.) to 240°C @ 8°C/min. (hold 5 min.)

Inj. Temp: 200°C Det. Temp: 250°C

Det. Type:



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

25-Mar-2022 Date Mixed:

Balance: 1127510105

30-Mar-2022 Date Passed:

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397



Bellefonte, PA 16823-8812 Tel: 1-814-353-1300 Fax: 1-814-353-1309 110 Benner Circle

www.restek.com

CERTIFIED REFERENCE MATERIAL











Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Lot No.: A0204416

30271 Catalog No.:

Dibromochloromethane Standard Description:

Dibromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

2 mL Container Size:

0°C or colder ×1mL Pkg Amt: Storage: June 30, 2029 Expiration Date:

Ambient

Ship:

VALUES CERTIFIED

| Elution | Compound | CAS# | # rot # | Purity Grav. Conc. (weight/volume | av. Conc. iht/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------|----------------------|----------|-------------------|-----------------------------------|--------------------------|--|
| 1 | dibromochloromethane | 124-48-1 | 124-48-1 MKCQ4517 | 99% 2,000.0 μg/mL | µg/mL | +/- 113.2852 |

* Expanded Uncertainty displayed in same units as Grav. Conc.

P&T Methanol Solvent:

67-56-1 CAS#

%66 Purity 262810 PIBRUZ

Column: 105m x 0.53mm x 3.0µm Rbc-502.2 (cat.#10910)

Carrier Gas: hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C @ 8°C/min. (hold 5 min.)

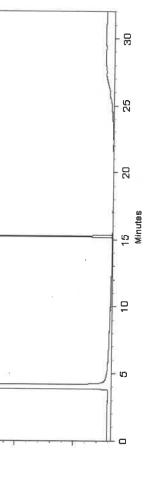
Inj. Temp:

Det. Temp: 250°C

Det. Type:

Split Vent: 40 ml/min

Inj. Vol



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

المعاد المعدد ا

13-Nov-2023 Date Mixed:

Balance Serial#

1127510105

Gray & Pertina

Jennifer Pollino - Operations Tech III - ARM QC

16-Nov-2023 Date Passed:

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397



Bellefonte, PA 16823-8812 Fax: 1-814-353-1309 Tel: 1-814-353-1300 110 Benner Circle

Certificate of Analysis

chromatographic plus

www.restek.com

CERTIFIED REFERENCE MATERIAL







FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed

Lot No.: A0217030

30270 Catalog No.:

1,2-Dibromo-3-chloropropane Standard Description:

1,2-Dibromo-3-Chloropropane 2000µg/mL, P&T Methanol, 1mL/ampul

2 mL Container Size:

< 1 mL Pkg Amt:

September 30, 2029 **Expiration Date:**

0°C or colder Ambient Ship: Storage:

VALUE CERTIFIED

| Expanded Uncertainty * (95% C.L.; K=2) | +/- 114.3500 |
|--|-----------------------------|
| Grav. Conc. (weight/volume) | 2,018.8 µg/mL |
| Purity | %86 |
| # Fot | FBL01 |
| CAS# | 96-12-8 |
| Compound | 1,2-Dibromo-3-chloropropane |
| Elution Order | - |

* Expanded Uncertainty displayed in same units as Grav. Conc.

P&T Methanol Solvent: 67-56-1 CAS#

%66 Purity

P13892 068610

02/03/2025

Quality Confirmation Test

Column:

105m x 0.53mm x 3.0µm Rbc-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program: 40°C (hold 2 min.) to 240°C @ 8°C/min. (hold 5 min.)

Inj. Temp:

Det. Temp: 250°C

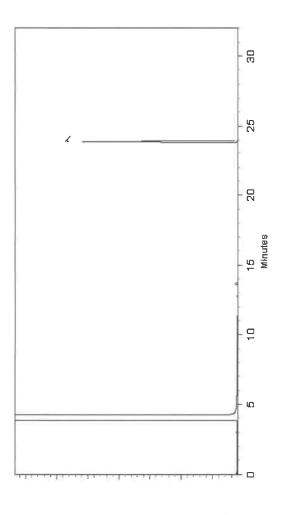
200°C

Det. Type:

Split Vent:

40 ml/min

Inj. Vol



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I AM 7. B.

25-Sep-2024 Date Mixed:

Balance Serial#

1121472889

Jennifer Pollino - Operations Tech III - ARM QC Grape o Polled

27-Sep-2024 Date Passed:

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397