2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP001W — X Well ___ Spring ___ Stream ___ Other

X Upgradient/Upstream ___ Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 27.43 " — Longitude: 76 o 26 ' 14.4 "

Depth to Water Level: 28.93 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.23 ft — Elevation of Water Level: 486.20 ft./MSL

Sampling Depth: 57 ft — Volume of Water Column: 54.88 gal

Total Well Depth: 66.3 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.4

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/21/2026 — Sample Collection Time: 10:03

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456511001 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP001W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 9 | SM20 2321 |
| CALCIUM, TOTAL | 13.3 | SW846 6010C |
| CALCIUM, DISSOLVED | 13.6 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 26.3 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 870 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 9.8 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 9.6 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 55 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 46 | SW846 6010C |
| NITRATE-NITROGEN | 16.9 | EPA 300 |
| pH-FIELD (SU) | 5.07 | FIELD |
| pH-LAB (SU) | 7.11 | SM4500B |
| POTASSIUM, TOTAL | 2.1 | SW846 6010C |
| POTASSIUM, DISSOLVED | 2.1 | 6SW846 010C |
| SODIUM, TOTAL | 13.8 | SW846 6010C |
| SODIUM, DISSOLVED | 14.1 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 252 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 260 | EPA 120.1 |
| SULFATE | 2.5 | EPA 300 |
| ALKALINITY | 9 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 96 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 0.5 ND | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 20 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP001W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP001W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 75 | SW846 6010C |
| BARIUM, DISSOLVED | 70 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.6 | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 21 | SW846 6010C |
| ZINC, DISSOLVED | 16 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP001W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP001W |
| Sample Date | 4/21/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 6.4 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP001W |
| Sample Date | 4/21/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP005W — X Well ___ Spring ___ Stream ___ Other

X Upgradient/Upstream ___ Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 11.17 " — Longitude: 76 o 26 ' 7.08 "

Depth to Water Level: 45.24 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -0.37 ft — Elevation of Water Level: 468.19 ft./MSL

Sampling Depth: 130 ft — Volume of Water Column: 139.17 gal

Total Well Depth: 140 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.1

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/21/2026 — Sample Collection Time: 12:20

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456511002 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP005W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 19 | SM20 2321 |
| CALCIUM, TOTAL | 15 | SW846 6010C |
| CALCIUM, DISSOLVED | 15.6 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 73.3 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 56 ND | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 8.3 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 8.4 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 51 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 53 | SW846 6010C |
| NITRATE-NITROGEN | 7.4 | EPA 300 |
| pH-FIELD (SU) | 5.37 | FIELD |
| pH-LAB (SU) | 7.07 | SM4500B |
| POTASSIUM, TOTAL | 2.1 | SW846 6010C |
| POTASSIUM, DISSOLVED | 2.2 | 6SW846 010C |
| SODIUM, TOTAL | 35.8 | SW846 6010C |
| SODIUM, DISSOLVED | 36.8 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 359 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 368 | EPA 120.1 |
| SULFATE | 6 | EPA 300 |
| ALKALINITY | 19 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 276 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 0.55 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 2.2 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP005W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP005W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 51 | SW846 6010C |
| BARIUM, DISSOLVED | 50 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 9.5 | SW846 6010C |
| ZINC, DISSOLVED | 12 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP005W |
| Sample Date | 4/21/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP005W |
| Sample Date | 4/21/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 5.6 ND | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP005W |
| Sample Date | 4/21/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP016W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 56 ' 55.57 " — Longitude: 76 o 26 ' 50.59 "

Depth to Water Level: 9.75 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.53 ft — Elevation of Water Level: 302.22 ft./MSL

Sampling Depth: 71 ft — Volume of Water Column: ___ gal

Total Well Depth: 78.03 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.2

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/22/2026 — Sample Collection Time: 9:27

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456614001 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP016W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 8 | SM20 2321 |
| CALCIUM, TOTAL | 5.2 | SW846 6010C |
| CALCIUM, DISSOLVED | 5.2 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 2.3 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 56 ND | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 1.3 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 1.3 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 5.6 ND | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 5.6 ND | SW846 6010C |
| NITRATE-NITROGEN | 1.8 | EPA 300 |
| pH-FIELD (SU) | 5.48 | FIELD |
| pH-LAB (SU) | 6.93 | SM4500B |
| POTASSIUM, TOTAL | 0.46 | SW846 6010C |
| POTASSIUM, DISSOLVED | 0.5 | 6SW846 010C |
| SODIUM, TOTAL | 3.3 | SW846 6010C |
| SODIUM, DISSOLVED | 3.4 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 64 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 63 | EPA 120.1 |
| SULFATE | 9.2 | EPA 300 |
| ALKALINITY | 8 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 45 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 0.5 ND | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 0.55 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP016W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP016W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 9.6 | SW846 6010C |
| BARIUM, DISSOLVED | 9.6 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 5.6 ND | SW846 6010C |
| ZINC, DISSOLVED | 5.6 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP016W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP016W |
| Sample Date | 4/22/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 | SW846 6010C |
| NICKEL | 5.6 ND | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP016W |
| Sample Date | 4/22/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP004W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 17.9 " — Longitude: 76 o 26 ' 7.05 "

Depth to Water Level: 50.78 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -1.37 ft — Elevation of Water Level: 478.75 ft./MSL

Sampling Depth: 130 ft — Volume of Water Column: 131.03 gal

Total Well Depth: 140 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.0

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/22/2026 — Sample Collection Time: 13:27

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456614002 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP004W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 21 | SM20 2321 |
| CALCIUM, TOTAL | 15.3 | SW846 6010C |
| CALCIUM, DISSOLVED | 15.7 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 46 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 530 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 5.6 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 5.5 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 5.6 ND | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 5.6 ND | SW846 6010C |
| NITRATE-NITROGEN | 5.3 | EPA 300 |
| pH-FIELD (SU) | 5.52 | FIELD |
| pH-LAB (SU) | 7.03 | SM4500B |
| POTASSIUM, TOTAL | 1.2 | SW846 6010C |
| POTASSIUM, DISSOLVED | 1.2 | 6SW846 010C |
| SODIUM, TOTAL | 19.8 | SW846 6010C |
| SODIUM, DISSOLVED | 19.7 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 246 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 252 | EPA 120.1 |
| SULFATE | 4.6 | EPA 300 |
| ALKALINITY | 21 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 166 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 0.5 ND | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 4.8 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP004W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP004W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 23 | SW846 6010C |
| BARIUM, DISSOLVED | 22 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 5.6 ND | SW846 6010C |
| ZINC, DISSOLVED | 5.6 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP004W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP004W |
| Sample Date | 4/22/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 5.6 ND | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP004W |
| Sample Date | 4/22/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP002W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 19.97 " — Longitude: 76 o 26 ' 12.3 "

Depth to Water Level: 45.36 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -1.19 ft — Elevation of Water Level: 480.45 ft./MSL

Sampling Depth: 85 ft — Volume of Water Column: 80.25 gal

Total Well Depth: 100 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.3

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/22/2026 — Sample Collection Time: 14:26

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456614003 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP002W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 73 | SM20 2321 |
| CALCIUM, TOTAL | 38.1 | SW846 6010C |
| CALCIUM, DISSOLVED | 39.2 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 89 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 56 ND | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 16.9 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 17 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 820 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 820 | SW846 6010C |
| NITRATE-NITROGEN | 5.6 | EPA 300 |
| pH-FIELD (SU) | 5.89 | FIELD |
| pH-LAB (SU) | 7.2 | SM4500B |
| POTASSIUM, TOTAL | 2.8 | SW846 6010C |
| POTASSIUM, DISSOLVED | 2.8 | 6SW846 010C |
| SODIUM, TOTAL | 28 | SW846 6010C |
| SODIUM, DISSOLVED | 28.3 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 424 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 537 | EPA 120.1 |
| SULFATE | 18.8 | EPA 300 |
| ALKALINITY | 73 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 306 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 2.4 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 1.8 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP002W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 5 | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP002W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 61 | SW846 6010C |
| BARIUM, DISSOLVED | 60 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 9.9 | SW846 6010C |
| ZINC, DISSOLVED | 11 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP002W |
| Sample Date | 4/22/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 15.4 | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP002W |
| Sample Date | 4/22/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 19 | SW846 6010C |
| NICKEL | 22 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP002W |
| Sample Date | 4/22/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP003W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 20.17 " — Longitude: 76 o 26 ' 8.37 "

Depth to Water Level: 55.85 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -1.29 ft — Elevation of Water Level: 468.36 ft./MSL

Sampling Depth: 100 ft — Volume of Water Column: 28.12 gal

Total Well Depth: 75 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.6

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/23/2026 — Sample Collection Time: 9:01

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456710001 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP003W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.11 | ASTM D6919-09 |
| BICARBONATE | 21 | SM20 2321 |
| CALCIUM, TOTAL | 13 | SW846 6010C |
| CALCIUM, DISSOLVED | 13.6 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 40.9 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 56 ND | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 6.3 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 6.4 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 87 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 81 | SW846 6010C |
| NITRATE-NITROGEN | 5.3 | EPA 300 |
| pH-FIELD (SU) | 5.64 | FIELD |
| pH-LAB (SU) | 7.28 | SM4500B |
| POTASSIUM, TOTAL | 2.2 | SW846 6010C |
| POTASSIUM, DISSOLVED | 2.2 | 6SW846 010C |
| SODIUM, TOTAL | 16.3 | SW846 6010C |
| SODIUM, DISSOLVED | 16.6 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 234 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 233 | EPA 120.1 |
| SULFATE | 10.6 | EPA 300 |
| ALKALINITY | 21 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 182 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 1 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 1.3 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP003W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1.1 | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP003W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 24 | SW846 6010C |
| BARIUM, DISSOLVED | 24 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 7.3 | SW846 6010C |
| COPPER, DISSOLVED | 7 | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 11 | SW846 6010C |
| ZINC, DISSOLVED | 12 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP003W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP003W |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 15 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP003W |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP007W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 24.53 " — Longitude: 76 o 26 ' 33.28 "

Depth to Water Level: 8.34 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.50 ft — Elevation of Water Level: 445.06 ft./MSL

Sampling Depth: 33 ft — Volume of Water Column: 41.36 gal

Total Well Depth: 36.5 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.6

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/23/2026 — Sample Collection Time: 9:53

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456710002 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP007W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 12 | SM20 2321 |
| CALCIUM, TOTAL | 17.5 | SW846 6010C |
| CALCIUM, DISSOLVED | 18.3 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 86.3 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 56 ND | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 10 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 10.3 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 7.7 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 8 | SW846 6010C |
| NITRATE-NITROGEN | 10.9 | EPA 300 |
| pH-FIELD (SU) | 5.25 | FIELD |
| pH-LAB (SU) | 7.08 | SM4500B |
| POTASSIUM, TOTAL | 2.2 | SW846 6010C |
| POTASSIUM, DISSOLVED | 2.2 | 6SW846 010C |
| SODIUM, TOTAL | 37.4 | SW846 6010C |
| SODIUM, DISSOLVED | 38.2 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 396 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 407 | EPA 120.1 |
| SULFATE | 20.8 | EPA 300 |
| ALKALINITY | 12 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 278 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 0.53 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 0.95 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP007W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP007W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 53 | SW846 6010C |
| BARIUM, DISSOLVED | 52 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 15 | SW846 6010C |
| ZINC, DISSOLVED | 8.8 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP007W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP007W |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 6.1 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP007W |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP018S — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor

Sampling Point: Latitude: 39 o 56 ' 55.11 " — Longitude: 76 o 26 ' 51.66 "

Depth to Water Level: _____ ft — Measured from: ___ Land Surface X TOC

Casing Stickup: _____ ft — Elevation of Water Level: #Error ft./MSL

Sampling Depth: 0 ft — Volume of Water Column: #Error gal

Total Well Depth: _____ ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: _____

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 4/23/2026 — Sample Collection Time: 10:31

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456710003 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP018S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 562 | SM20 2321 |
| CALCIUM, TOTAL | 66.2 | SW846 6010C |
| CALCIUM, DISSOLVED | 70.2 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 21 | EPA 410.4 |
| CHLORIDE | 644 | EPA 300 |
| FLUORIDE | 1 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 61 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 115 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 116 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 5.6 ND | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 5.6 ND | SW846 6010C |
| NITRATE-NITROGEN | 23.8 | EPA 300 |
| pH-FIELD (SU) | 8.59 | FIELD |
| pH-LAB (SU) | 8.66 | SM4500B |
| POTASSIUM, TOTAL | 18.1 | SW846 6010C |
| POTASSIUM, DISSOLVED | 17.7 | 6SW846 010C |
| SODIUM, TOTAL | 347 | SW846 6010C |
| SODIUM, DISSOLVED | 356 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 2721 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 2810 | EPA 120.1 |
| SULFATE | 43.2 | EPA 300 |
| ALKALINITY | 585 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 1550 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 6.8 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 1.3 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP018S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP018S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 38 | SW846 6010C |
| BARIUM, DISSOLVED | 38 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.2 ND | SW846 6010C |
| COPPER, TOTAL | 6.9 | SW846 6010C |
| COPPER, DISSOLVED | 7.3 | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 36 | SW846 6010C |
| ZINC, DISSOLVED | 37 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP018S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP018S |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 15 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP018S |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP017S — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 20.41 " — Longitude: 76 o 26 ' 45.1 "

Depth to Water Level: ___ ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: #Error ft./MSL

Sampling Depth: 0 ft — Volume of Water Column: #Error gal

Total Well Depth: ___ ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: ___

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/23/2026 — Sample Collection Time: 11:16

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456710004 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP017S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 773 | SM20 2321 |
| CALCIUM, TOTAL | 73.8 | SW846 6010C |
| CALCIUM, DISSOLVED | 79 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 838 | EPA 300 |
| FLUORIDE | 1 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 740 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 150 | SW846 6010C |
| MAGNESIUM, TOTAL | 175 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 174 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 150 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 120 | SW846 6010C |
| NITRATE-NITROGEN | 32.9 | EPA 300 |
| pH-FIELD (SU) | 8.26 | FIELD |
| pH-LAB (SU) | 8.49 | SM4500B |
| POTASSIUM, TOTAL | 21.3 | SW846 6010C |
| POTASSIUM, DISSOLVED | 20.5 | 6SW846 010C |
| SODIUM, TOTAL | 495 | SW846 6010C |
| SODIUM, DISSOLVED | 498 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 3762 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 3800 | EPA 120.1 |
| SULFATE | 67.1 | EPA 300 |
| ALKALINITY | 796 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 2160 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 4.3 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 2 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP017S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP017S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 27 | SW846 6010C |
| BARIUM, DISSOLVED | 25 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 3.2 | SW846 6010C |
| COPPER, TOTAL | 16 | SW846 6010C |
| COPPER, DISSOLVED | 15 | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 240 | SW846 6010C |
| ZINC, DISSOLVED | 210 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP017S |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP017S |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 9.4 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP017S |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP012W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 1.48 " — Longitude: 76 o 26 ' 36.02 "

Depth to Water Level: ___ ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.90 ft — Elevation of Water Level: #Error ft./MSL

Sampling Depth: 0 ft — Volume of Water Column: #Error gal

Total Well Depth: 101.9 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: ___

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/23/2026 — Sample Collection Time: 12:29

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456710005 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP012W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 118 | SM20 2321 |
| CALCIUM, TOTAL | 28.1 | SW846 6010C |
| CALCIUM, DISSOLVED | | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 1.5 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 62 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | | SW846 6010C |
| MAGNESIUM, TOTAL | 1.4 | SW846 6010C |
| MAGNESIUM, DISSOLVED | | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 5.6 ND | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | | SW846 6010C |
| NITRATE-NITROGEN | 1.1 | EPA 300 |
| pH-FIELD (SU) | 8.44 | FIELD |
| pH-LAB (SU) | 8.43 | SM4500B |
| POTASSIUM, TOTAL | 34.8 | SW846 6010C |
| POTASSIUM, DISSOLVED | | 6SW846 010C |
| SODIUM, TOTAL | 10.6 | SW846 6010C |
| SODIUM, DISSOLVED | | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 293 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 309 | EPA 120.1 |
| SULFATE | 4 | EPA 300 |
| ALKALINITY | 143 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 202 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 4 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 1.1 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP012W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP012W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | | SW846 6010C |
| BARIUM, TOTAL | 10 | SW846 6010C |
| BARIUM, DISSOLVED | | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | | SW846 6010C |
| COPPER, TOTAL | 7 | SW846 6010C |
| COPPER, DISSOLVED | | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 4.5 | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | | SW846 6010C |
| ZINC, TOTAL | 23 | SW846 6010C |
| ZINC, DISSOLVED | | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP012W |
| Sample Date | 4/23/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP012W |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 5.6 ND | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP012W |
| Sample Date | 4/23/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP010W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 2.38 " — Longitude: 76 o 26 ' 57.92 "

Depth to Water Level: 7.58 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.10 ft — Elevation of Water Level: 353.32 ft./MSL

Sampling Depth: 18 ft — Volume of Water Column: 7.85 gal

Total Well Depth: 19.6 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.2

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/24/2026 — Sample Collection Time: 8:53

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456793001 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP010W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 0.1 ND | ASTM D6919-09 |
| BICARBONATE | 41 | SM20 2321 |
| CALCIUM, TOTAL | 50.7 | SW846 6010C |
| CALCIUM, DISSOLVED | 53.5 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 324 | EPA 300 |
| FLUORIDE | 0.5 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 210 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 57.7 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 59.2 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 79 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 5.6 ND | SW846 6010C |
| NITRATE-NITROGEN | 20.3 | EPA 300 |
| pH-FIELD (SU) | 6.89 | FIELD |
| pH-LAB (SU) | 8.17 | SM4500B |
| POTASSIUM, TOTAL | 10.8 | SW846 6010C |
| POTASSIUM, DISSOLVED | 10.7 | 6SW846 010C |
| SODIUM, TOTAL | 168 | SW846 6010C |
| SODIUM, DISSOLVED | 174 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 1532 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 1600 | EPA 120.1 |
| SULFATE | 34.3 | EPA 300 |
| ALKALINITY | 233 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 818 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 3.9 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 1.7 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP010W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP010W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 56 | SW846 6010C |
| BARIUM, DISSOLVED | 54 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 21 | SW846 6010C |
| CHROMIUM, DISSOLVED | 2.8 | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 5.6 ND | SW846 6010C |
| ZINC, DISSOLVED | 5.6 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP010W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 1 ND | SW846 8260B |
| CHLOROETHANE | 1 ND | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 1 ND | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP010W |
| Sample Date | 4/24/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 5.6 ND | SW846 6010C |
| NICKEL | 19 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP010W |
| Sample Date | 4/24/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (Do MM' SS.S")

Monitoring Point Number: CWMP009W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 10.82 " — Longitude: 76 o 26 ' 55.8 "

Depth to Water Level: 8.97 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.70 ft — Elevation of Water Level: 395.23 ft./MSL

Sampling Depth: 16 ft — Volume of Water Column: 7.00 gal

Total Well Depth: 19.7 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.3

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/24/2026 — Sample Collection Time: 9:44

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456793002 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP009W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 31 | ASTM D6919-09 |
| BICARBONATE | 474 | SM20 2321 |
| CALCIUM, TOTAL | 179 | SW846 6010C |
| CALCIUM, DISSOLVED | 183 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 113 | EPA 410.4 |
| CHLORIDE | 888 | EPA 300 |
| FLUORIDE | 1 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 36600 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 10000 | SW846 6010C |
| MAGNESIUM, TOTAL | 98 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 99.8 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 15000 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 14800 | SW846 6010C |
| NITRATE-NITROGEN | 0.13 ND | EPA 300 |
| pH-FIELD (SU) | 6.09 | FIELD |
| pH-LAB (SU) | 7.47 | SM4500B |
| POTASSIUM, TOTAL | 31.5 | SW846 6010C |
| POTASSIUM, DISSOLVED | 31.8 | 6SW846 010C |
| SODIUM, TOTAL | 245 | SW846 6010C |
| SODIUM, DISSOLVED | 253 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 3337 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 3420 | EPA 120.1 |
| SULFATE | 7.6 | EPA 300 |
| ALKALINITY | 474 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 1880 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 41.2 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 60 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP009W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 2.3 | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1.2 | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP009W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 4.5 | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 930 | SW846 6010C |
| BARIUM, DISSOLVED | 700 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.6 | SW846 6010C |
| CHROMIUM, DISSOLVED | 4.9 | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 5.6 ND | SW846 6010C |
| ZINC, DISSOLVED | 17 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP009W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 13.8 | SW846 8260B |
| CHLOROETHANE | 7.7 | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 2 | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 10.6 | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP009W |
| Sample Date | 4/24/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 75 | SW846 6010C |
| NICKEL | 140 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP009W |
| Sample Date | 4/24/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| TRIMETHYLSILANOL | 1066-40-6 |
| DIETHYL SULFIDE | 352-93-2 |
| Silane, fluorotrimethyl- | 420-56-4 |
| ISOBUTANE | 75-28-5 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

2540-FM-BWM0041 Rev. 6/2005

**COMMONWEALTH OF PENNSYLVANIA**
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**
**BUREAU OF WASTE MANAGEMENT**

| Date Prepared/Revised |
|---|
| 07/07/2026 |
| DEP USE ONLY |
| Date Received |

# FORM 19
# MUNICIPAL WASTE LANDFILL
# QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 19, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General Reference: Section 273.284
Federal Regulations, Subtitle D: 258.54 and Appendix I to Part 258.

## SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Creswell Landfill

Facitlity ID (as issued by DEP): 100008

## SECTION B. FACILITY INFORMATION

Monitoring Wells must be designed and constructed in accordance with Department Standards. INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DO MM' SS.S")

Monitoring Point Number: CWMP008W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: Manor Township

Sampling Point: Latitude: 39 o 57 ' 16.97 " — Longitude: 76 o 26 ' 47.58 "

Depth to Water Level: 3.14 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.80 ft — Elevation of Water Level: 419.16 ft./MSL

Sampling Depth: 22 ft — Volume of Water Column: 3.21 gal

Total Well Depth: 22.8 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.6

Sample Field Filtered (must be 0.45 micron)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 4/24/2026 — Sample Collection Time: 10:30

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis:

Were any holding times exceeded?: ___ Yes X No If yes, please explain in comments field.

Lab Accreditation Number(s):

Lab Sample Number(s): 3456793004 — Final Lab Analysis CompletionDate: 5/19/2026

Name/Affiliation of Person who Filled Out Form: Daniel A. Brown

Comments:

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP008W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

### ANALYTES

**1-Q. Inorganics (Enter all data in mg/l except as noted)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| AMMONIA-NITROGEN | 3.6 | ASTM D6919-09 |
| BICARBONATE | 308 | SM20 2321 |
| CALCIUM, TOTAL | 47.9 | SW846 6010C |
| CALCIUM, DISSOLVED | 50.2 | SW846 6010C |
| COD (CHEMICAL OXYGEN DEMAND) | 15 ND | EPA 410.4 |
| CHLORIDE | 26.3 | EPA 300 |
| FLUORIDE | 0.2 ND | EPA 300 |
| IRON, TOTAL (ug/l) | 17500 | SW846 6010C |
| IRON, DISSOLVED (ug/l) | 56 ND | SW846 6010C |
| MAGNESIUM, TOTAL | 25.2 | SW846 6010C |
| MAGNESIUM, DISSOLVED | 26 | SW846 6010C |
| MANGANESE, TOTAL (ug/l) | 13400 | SW846 6010C |
| MANGANESE, DISSOLVED (ug/l) | 12900 | SW846 6010C |
| NITRATE-NITROGEN | 0.05 ND | EPA 300 |
| pH-FIELD (SU) | 6.05 | FIELD |
| pH-LAB (SU) | 7.84 | SM4500B |
| POTASSIUM, TOTAL | 7 | SW846 6010C |
| POTASSIUM, DISSOLVED | 6.9 | 6SW846 010C |
| SODIUM, TOTAL | 29.7 | SW846 6010C |
| SODIUM, DISSOLVED | 31.3 | SW 846 6010C |
| SPEC. COND., FIELD (umhos/cm) | 668 | FIELD |
| SPEC. COND., LAB (umhos/cm) | 678 | EPA 120.1 |
| SULFATE | 7.3 | EPA 300 |
| ALKALINITY | 308 | SM20 2320B |
| TDS (TOTAL DISSOLVED SOLIDS) | 376 | SM20 2540C |
| TOC (TOTAL ORGANIC CARBON) | 6.1 | SM20 5310B |
| TOTAL PHENOLICS (ug/l) | 4 ND | SW846 9066 |
| TURBIDITY (N.T.U.) | 45 | SM 2130B |

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
** Total and dissolved analysis required only in conjunction with additional annual metals sampling (see page 4). Remaining quarterly samples only require total metals analysis.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP008W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-Q. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BENZENE | 1 ND | SW846 8260B |
| 1,2-DIBROMOETHANE (EDB) (ETHYLENE DI | 1 ND | SW846 8260B |
| 1,1-DICHLOROETHANE | 1.6 | SW846 8260B |
| 1,1-DICHLOROETHENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROETHANE | 1 ND | SW846 8260B |
| cis 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| trans 1,2-DICHLOROETHENE | 1 ND | SW846 8260B |
| ETHYLBENZENE | 1 ND | SW846 8260B |
| METHYLENE CHLORIDE | 1 ND | SW846 8260B |
| TETRACHLOROETHENE | 1 ND | SW846 8260B |
| TOLUENE | 1 ND | SW846 8260B |
| 1,1,1-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROETHENE | 1 ND | SW846 8260B |
| VINYL CHLORIDE | 1 ND | SW846 8260B |
| XYLENES (TOTAL) | 3 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP008W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**1-A. Metals (Enter all data in ug/l) If initial background analyses of four consecutive analyses show essentially identical (within 5%) dissolved and total analyses, dissolved analyses may not be required, subject to written DEP approval.**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ARSENIC, TOTAL | 3.3 ND | SW846 6010C |
| ARSENIC, DISSOLVED | 3.3 ND | SW846 6010C |
| BARIUM, TOTAL | 110 | SW846 6010C |
| BARIUM, DISSOLVED | 95 | SW846 6010C |
| CADMIUM, TOTAL | 1.1 ND | SW846 6010C |
| CADMIUM, DISSOLVED | 1.1 ND | SW846 6010C |
| CHROMIUM, TOTAL | 2.2 ND | SW846 6010C |
| CHROMIUM, DISSOLVED | 3.5 | SW846 6010C |
| COPPER, TOTAL | 5.6 ND | SW846 6010C |
| COPPER, DISSOLVED | 5.6 ND | SW846 6010C |
| LEAD-FLAMELESS, TOTAL | 2.2 ND | SW846 6010C |
| LEAD, DISSOLVED | 2.2 ND | SW846 6010C |
| MERCURY, TOTAL | 0.5 ND | SW846 7470A |
| MERCURY, DISSOLVED | 0.5 ND | SW846 7470A |
| SELENIUM, TOTAL | 5.6 ND | SW846 6010C |
| SELENIUM, DISSOLVED | 5.6 ND | SW846 6010C |
| SILVER, TOTAL | 2.2 ND | SW846 6010C |
| SILVER, DISSOLVED | 2.2 ND | SW846 6010C |
| ZINC, TOTAL | 5.6 ND | SW846 6010C |
| ZINC, DISSOLVED | 17 | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP008W |
| Sample Date | 4/24/2026 |

# FORM 19

## QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

**2-A. Organics (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| BROMOFORM | 1 ND | SW846 8260B |
| BROMOMETHANE | 1 ND | SW846 8260B |
| CARBON TETRACHLORIDE | 1 ND | SW846 8260B |
| CHLOROBENZENE | 5.8 | SW846 8260B |
| CHLOROETHANE | 3 | SW846 8260B |
| DIBROMOCHLOROMETHANE (CHLORODIBROMOMET | 1 ND | SW846 8260B |
| CHLOROMETHANE | 1 ND | SW846 8260B |
| 3-CHLORO-1-PROPENE | 1 ND | SW846 8260B |
| 1,2-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,3-DICHLOROBENZENE | 1 ND | SW846 8260B |
| 1,4-DICHLOROBENZENE | 7 | SW846 8260B |
| DICHLORODIFLUOROMETHANE | 1 | SW846 8260B |
| 1,2-DICHLOROPROPANE | 1 ND | SW846 8260B |
| cis 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| trans 1,3-DICHLOROPROPENE | 1 ND | SW846 8260B |
| 2-BUTANONE (MEK) | 10 ND | SW846 8260B |
| 4-METHYL-2-PENTANONE (MIBK) | 5 ND | SW846 8260B |
| 1,1,1,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2,2-TETRACHLOROETHANE | 1 ND | SW846 8260B |
| 1,1,2-TRICHLOROETHANE | 1 ND | SW846 8260B |
| TRICHLOROFLUOROMETHANE | 1 ND | SW846 8260B |
| 1,2,3-TRICHLOROPROPANE | 2 ND | SW846 8260B |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP008W |
| Sample Date | 4/24/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

**SUBTITLE D - Detection Zone Add-On LIst - When the MCL of any VOC is exceeded in the detection zone Form 50 monitoring, the following analytes must be monitored annually in the groundwater monitoring wells.**

**ORGANICS AND METALS (Enter all data in ug/l)**

| ANALYTE | VALUE[T] | ANALYSIS METHOD NUMBER |
|---|---|---|
| ACETONE | 10 ND | SW846 8260B |
| ACRYLONITRILE | 5 ND | SW846 8260B |
| BROMOCHLOROMETHANE ) CHLOROBROMOMETHAN | 1 ND | SW846 8260B |
| BROMODICHLOROMETHANE | 1 ND | SW846 8260B |
| CARBON DISULFIDE | 1 ND | SW846 8260B |
| CHLOROFORM | 1 ND | SW846 8260B |
| 1,2-DIBROMO-3-CHLOROPROPANE (DBCP) (DIBROMO | 7 ND | SW846 8260B |
| trans 1,4-DICHLORO-2-BUTENE | 3 ND | SW846 8260B |
| 2-HEXANONE | 5 ND | SW846 8260B |
| DIBROMOMETHANE | 1 ND | SW846 8260B |
| IODOMETHANE | 1 ND | SW846 8260B |
| STYRENE | 1 ND | SW846 8260B |
| VINYL ACETATE | 5 ND | SW846 8260B |
| ANTIMONY | 2.2 ND | EPA 200.8 |
| BERYLLIUM | 1.1 ND | EPA 200.8 |
| COBALT | 22 | SW846 6010C |
| NICKEL | 16 | SW846 6010C |
| THALLIUM | 1.1 ND | EPA 200.8 |
| VANADIUM | 2.2 ND | SW846 6010C |

T Please indicate detection limit if analyte is not detected.

| | |
|---|---|
| I.D. No | 100008 |
| Monitoring Point No. | CWMP008W |
| Sample Date | 4/24/2026 |

# FORM 19

## ANNUAL WATER QUALITY ANALYSES

Qualitatively Identified Organic Compounds

List at least ten volatile organic compounds not otherwise identified in this section. Their identification should be based upon those compounds showing the greatest apparent concentration from the peaks of a mass spectrum of each sample. These ten compounds shall be identified but the concentration of each is not required.

| Constituent | CAS Number |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 www.alsglobal.com
Associated Site: 2550 Boulevard of the Generals, Suite 290 | West Norriton, PA 19403 | Phone: 717-982-8315

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **Lancaster County Solid Waste Authority**

Project Creswell/GWMP Form 19Q
Workorder 3456511
Report ID 517193 on 6/22/2026 (Revised report. See Project Notations Section.)

## Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Apr 21, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jordan McConathey - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority
Stacey Welk - ALS Environmental

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

Stacey Welk

**Stacey Welk** *(ALS Digital Signature)*
Project Coordinator

## Sample Summary

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collector | Collection Company |
|---|---|---|---|---|---|---|
| 3456511001 | CWMP001W | Ground Water | 04/21/2026 10:03 | 04/21/2026 15:10 | EMP | ALS Environmental-Middletown |
| 3456511002 | CWMP005W | Ground Water | 04/21/2026 12:20 | 04/21/2026 15:10 | EMP | ALS Environmental-Middletown |
| 3456511003 | Field Blank | Ground Water | 04/21/2026 09:10 | 04/21/2026 15:10 | EMP | ALS Environmental-Middletown |
| 3456511004 | Trip Blank | Ground Water | 04/21/2026 09:10 | 04/21/2026 15:10 | EMP | ALS Environmental-Middletown |

# Reference

## Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

## Standard Acronyms/Flags

| | |
|---|---|
| J | Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte |
| U | Indicates that the analyte was Not Detected (ND) above the MDL |
| N | Indicates presumptive evidence of the presence of a compound |
| MDL | Method Detection Limit |
| PQL | Practical Quantitation Limit |
| RDL | Practical Quantitation Limit for this Project |
| ND | Not Detected - indicates that the analyte was Not Detected |
| Cntr | Analysis was performed using this container |
| RegLmt | Regulatory Limit |
| LCS | Laboratory Control Sample |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| DUP | Sample Duplicate |
| %Rec | Percent Recovery |
| RPD | Relative Percent Difference |
| LOD | DoD Limit of Detection |
| LOQ | DoD Limit of Quantitation |
| DL | DoD Detection Limit |
| I | Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL) |
| (S) | Surrogate Compound |
| NC | Not Calculated |
| * | Result outside of QC limits |
| # | Please reference the result in the Results Section for analyte-level flags. |

## Project Notations

**P1** This COA is revised to report annual Form 19 parameters. SLW 5/8/26

## Sample Notations

| Lab ID | Sample ID |
|---|---|

## Result Notations

| Notation Ref. | |
|---|---|
| 1 | The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L. |
| 2 | The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory. |
| 3 | The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 72.1 and the control limits were 80 to 120. |
| 4 | The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 73.3 and the control limits were 80 to 120. |
| 5 | The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Nitrate-N. The % Recovery was reported as 79 and the control limits were 80 to 120. |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP001W | Collected | 04/21/2026 10:03 |
| Lab Sample ID | 3456511001 | Lab Receipt | 04/21/2026 15:10 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 28.93 | Feet | | Field | # |
| Dissolved Oxygen | 9.13 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 515.13 | Feet | | Field | # |
| Flow Rate | 1.86 | gal/min | | Field | # |
| Ground Water Elevation | 486.20 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 316 | mV | | Field | # |
| pH, Field (SM4500B) | 5.07 | pH_Units | | Field | # |
| Sample Depth | 57.00 | Feet | | Field | # |
| Specific Conductance, Field | 252 | umhos/cm | 1 | Field | # |
| Temperature | 13.83 | Deg. C | | Field | # |
| Total Well Depth | 66.30 | Feet | | Field | # |
| Turbidity, Field | 3 | NTU | 1 | Field | # |
| Volume in Water Column | 54.93 | Gallons | | Field | # |
| Water Level After Purge | 52.10 | Feet | | Field | # |
| Well Volumes Purged | 1.35 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.070 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.075 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 13.6 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 13.3 | mg/L | 0.11 | SW846 6020A | # |
| Iron, Total | 0.87 | mg/L | 0.056 | SW846 6020A | # |
| Lead, Total | 0.0026 | mg/L | 0.0022 | SW846 6020A | # |
| Magnesium, Dissolved | 9.6 | mg/L | 0.55 | SW846 6020A | # |
| Magnesium, Total | 9.8 | mg/L | 0.55 | SW846 6020A | # |
| Manganese, Dissolved | 0.046 | mg/L | 0.0056 | SW846 6020A | # |
| Manganese, Total | 0.055 | mg/L | 0.0056 | SW846 6020A | # |
| Nickel, Total | 0.0064 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 2.1 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 2.1 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 14.1 | mg/L | 0.55 | SW846 6020A | # |
| Sodium, Total | 13.8 | mg/L | 0.55 | SW846 6020A | # |
| Zinc, Dissolved | 0.016 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.021 | mg/L | 0.0056 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 9 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 9 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 26.3 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 16.9 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 7.11 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 260 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 2.5 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 96 | mg/L | 25 | SM2540C-15 | # |
| Turbidity | 20 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP005W | Collected | 04/21/2026 12:20 |
| Lab Sample ID | 3456511002 | Lab Receipt | 04/21/2026 15:10 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 45.24 | Feet | | Field | # |
| Dissolved Oxygen | 6.29 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 513.43 | Feet | | Field | # |
| Flow Rate | 1.73 | gal/min | | Field | # |
| Ground Water Elevation | 468.19 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 266 | mV | | Field | # |
| pH, Field (SM4500B) | 5.37 | pH_Units | | Field | # |
| Sample Depth | 130.00 | Feet | | Field | # |
| Specific Conductance, Field | 359 | umhos/cm | 1 | Field | # |
| Temperature | 13.11 | Deg. C | | Field | # |
| Total Well Depth | 138.92 | Feet | | Field | # |
| Volume in Water Column | 137.71 | Gallons | | Field | # |
| Water Level After Purge | 46.63 | Feet | | Field | # |
| Well Volumes Purged | 1.13 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.050 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.051 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 15.6 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 15.0 | mg/L | 0.11 | SW846 6020A | # |
| Magnesium, Dissolved | 8.4 | mg/L | 0.55 | SW846 6020A | # |
| Magnesium, Total | 8.3 | mg/L | 0.55 | SW846 6020A | # |
| Manganese, Dissolved | 0.053 | mg/L | 0.0056 | SW846 6020A | # |
| Manganese, Total | 0.051 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 2.2 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 2.1 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 36.8 | mg/L | 0.55 | SW846 6020A | # |
| Sodium, Total | 35.8 | mg/L | 0.55 | SW846 6020A | # |
| Zinc, Dissolved | 0.012 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.0095 | mg/L | 0.0056 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 19 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 19 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 73.3 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 7.4 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 7.07 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 368 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 6.0 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 276 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 0.55 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 2.2 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/21/2026 09:10 |
| Lab Sample ID | 3456511003 | Lab Receipt | 04/21/2026 15:10 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **VOLATILE ORGANICS** | | | | | |
| Chloroform | 6.0 | ug/L | 1.0 | SW846 8260B | # |
| **WET CHEMISTRY** | | | | | |
| pH | 5.88 | pH_Units | | SM4500HB-21 | # |
| Phenolics | 0.005 | mg/L | 0.004 | SW846 9066 | # |
| Turbidity | 1.2 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/21/2026 09:10 |
| Lab Sample ID | 3456511004 | Lab Receipt | 04/21/2026 15:10 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP001W | Collected | 04/21/2026 10:03 |
| Lab Sample ID | 3456511001 | Lab Receipt | 04/21/2026 15:10 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 28.93 | P1 | Feet | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Dissolved Oxygen | 9.13 | P1 | mg/L | 0.01 | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Elev Top MW Casing above MSL | 515.13 | P1 | Feet | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Flow Rate | 1.86 | P1 | gal/min | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Ground Water Elevation | 486.20 | P1 | ft/MSL | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Oxidation-Reduction Potential | 316 | P1 | mV | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| pH, Field (SM4500B) | 5.07 | P1 | pH_Units | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Sample Depth | 57.00 | P1 | Feet | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Specific Conductance, Field | 252 | P1 | umhos/cm | 1 | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Temperature | 13.83 | P1 | Deg. C | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Total Well Depth | 66.30 | P1 | Feet | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Turbidity, Field | 3 | P1 | NTU | 1 | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Volume in Water Column | 54.93 | P1 | Gallons | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Water Level After Purge | 52.10 | P1 | Feet | | Field | 1 | 04/21/2026 10:03 | EMP | D |
| Well Volumes Purged | 1.35 | P1 | Vol | | Field | 1 | 04/21/2026 10:03 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/24/2026 03:29 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Barium, Dissolved | 0.070 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Barium, Total | 0.075 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Calcium, Dissolved | 13.6 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Calcium, Total | 13.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Iron, Total | 0.87 | P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Lead, Total | 0.0026 | P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Magnesium, Dissolved | 9.6 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:08 | KXH | C1 |
| Magnesium, Total | 9.8 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:02 | KXH | K2 |
| Manganese, Dissolved | 0.046 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP001W | Collected | 04/21/2026 10:03 |
| Lab Sample ID | 3456511001 | Lab Receipt | 04/21/2026 15:10 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 0.055 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:12 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:44 | ZAS | K |
| Nickel, Total | 0.0064 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Potassium, Dissolved | 2.1 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Potassium, Total | 2.1 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Sodium, Dissolved | 14.1 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:08 | KXH | C1 |
| Sodium, Total | 13.8 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:02 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |
| Zinc, Dissolved | 0.016 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:42 | KXH | C1 |
| Zinc, Total | 0.021 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:25 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP001W | Collected | 04/21/2026 10:03 |
| Lab Sample ID | 3456511001 | Lab Receipt | 04/21/2026 15:10 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:29 | PDK | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 114% | 62 – 133 | 04/24/2026 03:29 | |
| 4-Bromofluorobenzene | 460-00-4 | 97.3% | 79 – 114 | 04/24/2026 03:29 | |
| Dibromofluoromethane | 1868-53-7 | 105% | 78 – 116 | 04/24/2026 03:29 | |
| Toluene-d8 | 2037-26-5 | 97.5% | 76 – 127 | 04/24/2026 03:29 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 9 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/22/2026 15:01 | TJH | B |
| Alkalinity, Total | 9 | 1,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/22/2026 15:01 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 14:55 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 26.3 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/22/2026 16:14 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/22/2026 16:14 | J1W | B |
| Nitrate-N | 16.9 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/22/2026 16:14 | J1W | B |
| pH | 7.11 | 2,P1 | pH_Units | | SM4500HB-21 | 1 | 04/22/2026 15:01 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 19:27 | A1L | G |
| Specific Conductance | 260 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 2.5 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/22/2026 16:14 | J1W | B |
| Total Dissolved Solids | 96 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/22/2026 16:40 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP001W | Collected | 04/21/2026 10:03 |
| Lab Sample ID | 3456511001 | Lab Receipt | 04/21/2026 15:10 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | ND | ND,P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/24/2026 02:22 | PAG | E |
| Turbidity | 20 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/22/2026 07:50 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP005W | Collected | 04/21/2026 12:20 |
| Lab Sample ID | 3456511002 | Lab Receipt | 04/21/2026 15:10 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 45.24 | P1 | Feet | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Dissolved Oxygen | 6.29 | P1 | mg/L | 0.01 | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Elev Top MW Casing above MSL | 513.43 | P1 | Feet | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Flow Rate | 1.73 | P1 | gal/min | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Ground Water Elevation | 468.19 | P1 | ft/MSL | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Oxidation-Reduction Potential | 266 | P1 | mV | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| pH, Field (SM4500B) | 5.37 | P1 | pH_Units | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Sample Depth | 130.00 | P1 | Feet | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Specific Conductance, Field | 359 | P1 | umhos/cm | 1 | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Temperature | 13.11 | P1 | Deg. C | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Total Well Depth | 138.92 | P1 | Feet | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Turbidity, Field | ND | ND,P1 | NTU | 1 | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Volume in Water Column | 137.71 | P1 | Gallons | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Water Level After Purge | 46.63 | P1 | Feet | | Field | 1 | 04/21/2026 12:20 | EMP | D |
| Well Volumes Purged | 1.13 | P1 | Vol | | Field | 1 | 04/21/2026 12:20 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/24/2026 04:15 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Barium, Dissolved | 0.050 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Barium, Total | 0.051 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Calcium, Dissolved | 15.6 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Calcium, Total | 15.0 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Iron, Total | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Magnesium, Dissolved | 8.4 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:10 | KXH | C1 |
| Magnesium, Total | 8.3 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:05 | KXH | K2 |
| Manganese, Dissolved | 0.053 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP005W | Collected | 04/21/2026 12:20 |
| Lab Sample ID | 3456511002 | Lab Receipt | 04/21/2026 15:10 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 0.051 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:17 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:48 | ZAS | K |
| Nickel, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Potassium, Dissolved | 2.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Potassium, Total | 2.1 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Sodium, Dissolved | 36.8 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:10 | KXH | C1 |
| Sodium, Total | 35.8 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:05 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |
| Zinc, Dissolved | 0.012 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:44 | KXH | C1 |
| Zinc, Total | 0.0095 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:27 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP005W | Collected | 04/21/2026 12:20 |
| Lab Sample ID | 3456511002 | Lab Receipt | 04/21/2026 15:10 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 04:15 | PDK | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 113% | 62 – 133 | 04/24/2026 04:15 | |
| 4-Bromofluorobenzene | 460-00-4 | 96.7% | 79 – 114 | 04/24/2026 04:15 | |
| Dibromofluoromethane | 1868-53-7 | 104% | 78 – 116 | 04/24/2026 04:15 | |
| Toluene-d8 | 2037-26-5 | 97.2% | 76 – 127 | 04/24/2026 04:15 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 19 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/22/2026 15:15 | TJH | B |
| Alkalinity, Total | 19 | 1,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/22/2026 15:15 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 15:33 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 73.3 | 3,4,P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/22/2026 16:28 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/22/2026 16:28 | J1W | B |
| Nitrate-N | 7.4 | 5,P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/22/2026 16:28 | J1W | B |
| pH | 7.07 | 2,P1 | pH_Units | | SM4500HB-21 | 1 | 04/22/2026 15:15 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 19:30 | A1L | G |
| Specific Conductance | 368 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 6.0 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/22/2026 16:28 | J1W | B |
| Total Dissolved Solids | 276 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/24/2026 17:00 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP005W | Collected | 04/21/2026 12:20 |
| Lab Sample ID | 3456511002 | Lab Receipt | 04/21/2026 15:10 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | 0.55 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/24/2026 02:22 | PAG | E |
| Turbidity | 2.2 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/22/2026 07:50 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/21/2026 09:10 |
| Lab Sample ID | 3456511003 | Lab Receipt | 04/21/2026 15:10 |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Barium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Barium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Calcium, Dissolved | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Calcium, Total | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Iron, Total | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Magnesium, Dissolved | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/18/2026 14:05 | KXH | C1 |
| Magnesium, Total | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 15:57 | KXH | K2 |
| Manganese, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Manganese, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:18 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:50 | ZAS | K |
| Nickel, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Potassium, Dissolved | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Potassium, Total | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Sodium, Dissolved | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/18/2026 14:05 | KXH | C1 |
| Sodium, Total | ND | ND,P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 15:57 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |
| Zinc, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:47 | KXH | C1 |
| Zinc, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:29 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |

## Results

Client Sample ID Field Blank
Lab Sample ID 3456511003

Collected 04/21/2026 09:10
Lab Receipt 04/21/2026 15:10

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Chloroform | 6.0 | P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 03:06 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/21/2026 09:10 |
| Lab Sample ID | 3456511003 | Lab Receipt | 04/21/2026 15:10 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 114% | 62 – 133 | 04/24/2026 03:06 | |
| 4-Bromofluorobenzene | 460-00-4 | 95.2% | 79 – 114 | 04/24/2026 03:06 | |
| Dibromofluoromethane | 1868-53-7 | 105% | 78 – 116 | 04/24/2026 03:06 | |
| Toluene-d8 | 2037-26-5 | 96.3% | 76 – 127 | 04/24/2026 03:06 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | ND | ND,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/22/2026 15:23 | TJH | B |
| Alkalinity, Total | ND | ND,1,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/22/2026 15:23 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 16:26 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | ND | ND,P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/22/2026 17:35 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/22/2026 17:35 | J1W | B |
| Nitrate-N | ND | ND,P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/22/2026 17:35 | J1W | B |
| pH | 5.88 | 2,P1 | pH_Units | | SM4500HB-21 | 1 | 04/22/2026 15:23 | TJH | B |
| Phenolics | 0.005 | P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 19:40 | A1L | G |
| Specific Conductance | ND | ND,P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | ND | ND,P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/22/2026 17:35 | J1W | B |
| Total Dissolved Solids | ND | ND,P1 | mg/L | 25 | SM2540C-15 | 1 | 04/24/2026 17:00 | RAG | B |
| Total Organic Carbon (TOC) | ND | ND,P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/24/2026 02:22 | PAG | E |
| Turbidity | 1.2 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/22/2026 07:50 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/21/2026 09:10 |
| Lab Sample ID | 3456511004 | Lab Receipt | 04/21/2026 15:10 |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/24/2026 02:43 | PDK | A |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/21/2026 09:10 |
| Lab Sample ID | 3456511004 | Lab Receipt | 04/21/2026 15:10 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 02:43 | PDK | A |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 114% | 62 – 133 | 04/24/2026 02:43 | |
| 4-Bromofluorobenzene | 460-00-4 | 98.7% | 79 – 114 | 04/24/2026 02:43 | |
| Dibromofluoromethane | 1868-53-7 | 104% | 78 – 116 | 04/24/2026 02:43 | |
| Toluene-d8 | 2037-26-5 | 98.2% | 76 – 127 | 04/24/2026 02:43 | |

## Sample - Method Cross Reference Table

| Lab ID | Sample ID | Analysis Method | Preparation Method | Leachate Method |
|---|---|---|---|---|
| 3456511001 | CWMP001W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456511002 | CWMP005W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456511003 | Field Blank | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456511004 | Trip Blank | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |

# QUALITY CONTROL DATA CROSS REFERENCE TABLE

| Lab ID | Sample ID | Preparation Method | Prep Batch | Prep Date/Time | By | Analysis Method | Anly Batch |
|---|---|---|---|---|---|---|---|
| 3456511001 | CWMP001W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546131 |
| | | N/A | N/A | N/A | | SW846 8260B | 1540788 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540278 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540279 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540298 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1540387 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540298 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1540684 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456511002 | CWMP005W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546131 |
| | | N/A | N/A | N/A | | SW846 8260B | 1540788 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540278 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540279 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540298 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1540848 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540298 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1540684 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456511003 | Field Blank | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | N/A | N/A | N/A | | SW846 8260B | 1540788 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540278 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540279 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540298 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1540848 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540298 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1540684 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456511004 | Trip Blank | N/A | N/A | N/A | | Lib Search VOC | 1546131 |
| | | N/A | N/A | N/A | | SW846 8260B | 1540788 |

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

# CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 3456511 of
ALS Quote #:
Logged By: MZP
PM: SIW

Client Name: Lancaster County Solid Waste MA

Address: 1299 Harrisburg Pike, Lancaster PA 17604

Contact: Dan Brown
Phone#: 717-553-5864
Project Name/#: Creswell/GWMP Form 19Q
Bill To: Lancaster County Solid Waste MA
Purchase Order #:

TAT: [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALS approval and surcharges.
Date Required: Approved?
Email? [x] dbrown@lcswma.org

| | Container Type | AG | AN | CG | P | P | | | P | P | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Container Size | 40ml | 125ml | 40ml | 500ml | 250ml | | | 250ml | 125ml | |
| | Preservative | HCL | H2SO4 | ~~UNP~~ HCl | UNP HCl 4-21-26 | UNP | | | H2SO4 | HNO3 | |

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

| | Sample Description/Location (as it will appear on the lab report) | Date Collected mm/dd/yy | Time hh:mm | SDWA Sample Type (see key) | *G or C | **Matrix (See bottom of COC) | TOC | O-OH | 8260 VOCs - Form 19Q | pH, Cl, SpC, F, SO4, NO3, Tb, TDS | Alkalinity, HCO3 | FM | Sample Debth for AUX Data | NH3-N, COD | Total Metals Ca, Fe, Mn, Mg, K, Na | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Enter Number of Containers Per Sample or Field Results Below. | | | | | | | | | |
| 1 | CWMP001W | 4/21/26 | 10:03 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 2 | CWMP005W | 4/21/26 | 12:20 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 3 | TRIP BLANK | 4/21/26 | NA | | | DI | | | 2 | | | | | | | |
| 4 | FIELD BALNK | 4/21/26 | 09:10 | | | DI | 2 | 1 | 23 | 1 | 1 | | | 1 | 2 | |
| 5 | | | | | | | | | | | | | | | HCl 4-21-26 | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

Receip
Temp Taken By:
Receipt Info completed by:
WV Containers 0-6°C Y N NA

| | | | |
|---|---|---|---|
| Cooler Custody Seals Intact | Y | N | NA |
| Sample Custody Seal Intact | Y | N | NA |
| Received on Ice | Y | N | NA |
| Coolers & Samples Intact | Y | N | |
| Correct Containers Provided | Y | N | |
| Sample Label/COC Agree | Y | N | |
| Adequate Sample Volumes | Y | N | |
| VOA only: Trip Blank | Y | N | NA |

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, llist below:

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N
Reportable SDWA Sample(s)? Y N
SDWA State of Origin?
PWSID #
Rad Screen (uCi)
New Source? Y N
New Source Contact:
PWS Contact: PWS Phone #:

SDWA Sample Type Key: D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup

Sample/COC Remarks

Sampling Hours

Contains Short Hold Testing YES NO
Internal Use: If less than 48 hours - notify lab upon receipt

Circle Sample Collector: ALS Tech / Client
Name: EP ID:

Comments:

| Date: | Time | | Relinquished By / Company Name | | Received By / Company Name |
|---|---|---|---|---|---|
| 4/21/2026 | 15:10 | 1 | ALS EP | 2 | |
| | | 3 | | 4 | |
| | | 5 | | 6 | |
| | | 7 | | 8 | |
| | | 9 | | 10 | |

Data Deliverables: [ ] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [x] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

# Middletown Sample Condition Form

Client LCSWA Workorder 3456511

Temp °C 0 Therm ID 352 Ice? (Y) N N/A Initials & Date tkh 4-21-26

Fedex UPS Client (ALS) Other Tracking # _____

| | Yes | No[1] | N/A | Comments |
|---|---|---|---|---|
| Cooler Custody Seals present & intact | | | ✱ | |
| Sample Custody Seals present & intact | | | ✱ | |
| Chain-of-Custody present | ✱ | | | |
| Sample collector name present *If not present, must contact PM/client to request name.* | ✱ | | | |
| COC/bottle labels complete & in agreement | | ✱ | | |
| •Sample location | ✱ | | | |
| •Date and time of sample collection | ✱ | | | |
| •Type(s) of preservation | | ✱ | | UC |
| •Number of containers | | ✱ | | UC |
| •Composite or grab | ✱ | | | |
| •Matrix | | | | |
| Proper containers, preservation, and volume per method | | | | |
| Received within hold time | | | | |
| Containers intact | | | | |
| Trip blanks present (EPA 504, EPA 524) | | | | |
| Field blanks present (Hg 1631, PFAS) | ✱ | | | |
| NJ ≤ 4 Days | | | ✱ | |
| CR6 Samples Filtered | | | | |
| OP Samples Filtered | | | | |
| WV Containers 0-6°C | | | | |
| SDWA compliance reporting | | | ✱ | |

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____



6/22/2026 12:44 PM

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 www.alsglobal.com
Associated Site: 2550 Boulevard of the Generals, Suite 290 | West Norriton, PA 19403 | Phone: 717-982-8315

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **Lancaster County Solid Waste Authority**

Project Creswell/GWMP Form 19Q
Workorder 3456614
Report ID 517191 on 6/22/2026 (Revised report. See Project Notations Section.)

## Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Apr 22, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jordan McConathey - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority
Stacey Welk - ALS Environmental

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

Stacey Welk

**Stacey Welk** *(ALS Digital Signature)*
Project Coordinator

## Sample Summary

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collector | Collection Company |
|---|---|---|---|---|---|---|
| 3456614001 | CWMP016W | Ground Water | 04/22/2026 09:27 | 04/22/2026 15:30 | EMP | ALS Environmental-Middletown |
| 3456614002 | CWMP004W | Ground Water | 04/22/2026 13:27 | 04/22/2026 15:30 | EMP | ALS Environmental-Middletown |
| 3456614003 | CWMP002W | Ground Water | 04/22/2026 14:26 | 04/22/2026 15:30 | EMP | ALS Environmental-Middletown |
| 3456614004 | Trip Blank | Water | 04/22/2026 00:00 | 04/22/2026 15:30 | EMP | ALS Environmental-Middletown |
| 3456614005 | Field Blank | Water | 04/22/2026 10:45 | 04/22/2026 15:30 | EMP | ALS Environmental-Middletown |

# Reference

## Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

## Standard Acronyms/Flags

| | |
|---|---|
| J | Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte |
| U | Indicates that the analyte was Not Detected (ND) above the MDL |
| N | Indicates presumptive evidence of the presence of a compound |
| MDL | Method Detection Limit |
| PQL | Practical Quantitation Limit |
| RDL | Practical Quantitation Limit for this Project |
| ND | Not Detected - indicates that the analyte was Not Detected |
| Cntr | Analysis was performed using this container |
| RegLmt | Regulatory Limit |
| LCS | Laboratory Control Sample |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| DUP | Sample Duplicate |
| %Rec | Percent Recovery |
| RPD | Relative Percent Difference |
| LOD | DoD Limit of Detection |
| LOQ | DoD Limit of Quantitation |
| DL | DoD Detection Limit |
| I | Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL) |
| (S) | Surrogate Compound |
| NC | Not Calculated |
| * | Result outside of QC limits |
| # | Please reference the result in the Results Section for analyte-level flags. |

## Project Notations

**P1** This COA is revised to report Annual Form 19 parameters.SLW 5/8/26

## Sample Notations

| Lab ID | Sample ID |
|---|---|

## Result Notations

| Notation Ref. | |
|---|---|
| 1 | The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte cis-1,3-Dichloropropene. The % Recovery was reported as 73.2 and the control limits were 81 to 121. |
| 2 | The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte 1,1,2-Trichloroethane. The % Recovery was reported as 78.9 and the control limits were 82 to 126. |
| 3 | The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L. |
| 4 | The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory. |
| 5 | The surrogate Toluene-d8 for method SW846 8260B was outside of control limits. The % Recovery was reported as 72.7 and the control limits were 76 to 127. This result was reported at a dilution of 1. |
| 6 | The QC sample type DUP for method SM2540C-20 was outside the control limits for the analyte Total Dissolved Solids. The RPD was reported as 6.33 and the upper control limit is 5. |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP016W | Collected | 04/22/2026 09:27 |
| Lab Sample ID | 3456614001 | Lab Receipt | 04/22/2026 15:30 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 9.75 | Feet | | Field | # |
| Dissolved Oxygen | 9.57 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 311.97 | Feet | | Field | # |
| Flow Rate | 1.71 | gal/min | | Field | # |
| Ground Water Elevation | 302.22 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 311 | mV | | Field | # |
| pH, Field (SM4500B) | 5.48 | pH_Units | | Field | # |
| Sample Depth | 71.00 | Feet | | Field | # |
| Specific Conductance, Field | 64 | umhos/cm | 1 | Field | # |
| Temperature | 12.32 | Deg. C | | Field | # |
| Total Well Depth | 73.52 | Feet | | Field | # |
| Volume in Water Column | 93.74 | Gallons | | Field | # |
| Water Level After Purge | 17.39 | Feet | | Field | # |
| Well Volumes Purged | 1.24 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.0096 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.0096 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 5.2 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 5.2 | mg/L | 0.11 | SW846 6020A | # |
| Cobalt, Total | 0.0056 | mg/L | 0.0056 | SW846 6020A | # |
| Magnesium, Dissolved | 1.3 | mg/L | 0.11 | SW846 6020A | # |
| Magnesium, Total | 1.3 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Dissolved | 0.50 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 0.46 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 3.4 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Total | 3.3 | mg/L | 0.11 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 8 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 8 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 2.3 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 1.8 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 6.93 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 63 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 9.2 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 45 | mg/L | 25 | SM2540C-15 | # |
| Turbidity | 0.55 | NTU | 0.30 | SM2130B-20 | # |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP004W | Collected | 04/22/2026 13:27 |
| Lab Sample ID | 3456614002 | Lab Receipt | 04/22/2026 15:30 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 50.78 | Feet | | Field | # |
| Dissolved Oxygen | 7.81 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 529.53 | Feet | | Field | # |
| Flow Rate | 1.84 | gal/min | | Field | # |
| Ground Water Elevation | 478.75 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 304 | mV | | Field | # |
| pH, Field (SM4500B) | 5.52 | pH_Units | | Field | # |
| Sample Depth | 130.00 | Feet | | Field | # |
| Specific Conductance, Field | 246 | umhos/cm | 1 | Field | # |
| Temperature | 14.70 | Deg. C | | Field | # |
| Total Well Depth | 140.00 | Feet | | Field | # |
| Turbidity, Field | 5 | NTU | 1 | Field | # |
| Volume in Water Column | 131.15 | Gallons | | Field | # |
| Water Level After Purge | 55.03 | Feet | | Field | # |
| Well Volumes Purged | 1.05 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.022 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.023 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 15.7 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 15.3 | mg/L | 0.11 | SW846 6020A | # |
| Iron, Total | 0.53 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Dissolved | 5.5 | mg/L | 0.55 | SW846 6020A | # |
| Magnesium, Total | 5.6 | mg/L | 0.55 | SW846 6020A | # |
| Potassium, Dissolved | 1.2 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 1.2 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 19.7 | mg/L | 0.55 | SW846 6020A | # |
| Sodium, Total | 19.8 | mg/L | 0.55 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 21 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 21 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 46.0 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 5.3 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 7.03 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 252 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 4.6 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 166 | mg/L | 25 | SM2540C-15 | # |
| Turbidity | 4.8 | NTU | 0.30 | SM2130B-20 | # |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP002W | Collected | 04/22/2026 14:26 |
| Lab Sample ID | 3456614003 | Lab Receipt | 04/22/2026 15:30 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 45.36 | Feet | | Field | # |
| Dissolved Oxygen | 1.20 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 525.81 | Feet | | Field | # |
| Flow Rate | 1.83 | gal/min | | Field | # |
| Ground Water Elevation | 480.45 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 189 | mV | | Field | # |
| pH, Field (SM4500B) | 5.89 | pH_Units | | Field | # |
| Sample Depth | 85.00 | Feet | | Field | # |
| Specific Conductance, Field | 424 | umhos/cm | 1 | Field | # |
| Temperature | 13.96 | Deg. C | | Field | # |
| Total Well Depth | 100.00 | Feet | | Field | # |
| Volume in Water Column | 80.32 | Gallons | | Field | # |
| Water Level After Purge | 46.75 | Feet | | Field | # |
| Well Volumes Purged | 1.25 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.060 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.061 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 39.2 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 38.1 | mg/L | 0.11 | SW846 6020A | # |
| Cobalt, Total | 0.019 | mg/L | 0.0056 | SW846 6020A | # |
| Magnesium, Dissolved | 17.0 | mg/L | 1.1 | SW846 6020A | # |
| Magnesium, Total | 16.9 | mg/L | 1.1 | SW846 6020A | # |
| Manganese, Dissolved | 0.82 | mg/L | 0.0056 | SW846 6020A | # |
| Manganese, Total | 0.82 | mg/L | 0.0056 | SW846 6020A | # |
| Nickel, Total | 0.022 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 2.8 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 2.8 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 28.3 | mg/L | 1.1 | SW846 6020A | # |
| Sodium, Total | 28.0 | mg/L | 1.1 | SW846 6020A | # |
| Zinc, Dissolved | 0.011 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.0099 | mg/L | 0.0056 | SW846 6020A | # |
| **VOLATILE ORGANICS** | | | | | |
| 1,1-Dichloroethane | 5.0 | ug/L | 1.0 | SW846 8260B | # |
| Chloroethane | 15.4 | ug/L | 1.0 | SW846 8260B | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 73 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 73 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 89.0 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 5.6 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 7.20 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 537 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 18.8 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 306 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 2.4 | mg/L | 0.50 | SW846 9060A | # |

## Detected Results Summary

Sample - CWMP002W (cont.)

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **WET CHEMISTRY (cont.)** | | | | | |
| Turbidity | 1.8 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/22/2026 00:00 |
| Lab Sample ID | 3456614004 | Lab Receipt | 04/22/2026 15:30 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/22/2026 10:45 |
| Lab Sample ID | 3456614005 | Lab Receipt | 04/22/2026 15:30 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP016W | Collected | 04/22/2026 09:27 |
| Lab Sample ID | 3456614001 | Lab Receipt | 04/22/2026 15:30 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 9.75 | P1 | Feet | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Dissolved Oxygen | 9.57 | P1 | mg/L | 0.01 | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Elev Top MW Casing above MSL | 311.97 | P1 | Feet | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Flow Rate | 1.71 | P1 | gal/min | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Ground Water Elevation | 302.22 | P1 | ft/MSL | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Oxidation-Reduction Potential | 311 | P1 | mV | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| pH, Field (SM4500B) | 5.48 | P1 | pH_Units | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Sample Depth | 71.00 | P1 | Feet | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Specific Conductance, Field | 64 | P1 | umhos/cm | 1 | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Temperature | 12.32 | P1 | Deg. C | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Total Well Depth | 73.52 | P1 | Feet | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Turbidity, Field | ND | ND,P1 | NTU | 1 | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Volume in Water Column | 93.74 | P1 | Gallons | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Water Level After Purge | 17.39 | P1 | Feet | | Field | 1 | 04/22/2026 09:27 | EMP | D |
| Well Volumes Purged | 1.24 | P1 | Vol | | Field | 1 | 04/22/2026 09:27 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/25/2026 00:49 | CMQ | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Barium, Dissolved | 0.0096 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Barium, Total | 0.0096 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Calcium, Dissolved | 5.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Calcium, Total | 5.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Cobalt, Total | 0.0056 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Iron, Total | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Magnesium, Dissolved | 1.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/18/2026 14:13 | KXH | C1 |
| Magnesium, Total | 1.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 16:00 | KXH | K2 |
| Manganese, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP016W | Collected | 04/22/2026 09:27 |
| Lab Sample ID | 3456614001 | Lab Receipt | 04/22/2026 15:30 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:19 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:51 | ZAS | K |
| Nickel, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Potassium, Dissolved | 0.50 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Potassium, Total | 0.46 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Sodium, Dissolved | 3.4 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/18/2026 14:13 | KXH | C1 |
| Sodium, Total | 3.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 16:00 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |
| Zinc, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:49 | KXH | C1 |
| Zinc, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:32 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,1,2-Trichloroethane | ND | ND,2,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP016W | Collected | 04/22/2026 09:27 |
| Lab Sample ID | 3456614001 | Lab Receipt | 04/22/2026 15:30 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| cis-1,3-Dichloropropene | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:49 | CMQ | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 105% | 62 – 133 | 04/25/2026 00:49 | |
| 4-Bromofluorobenzene | 460-00-4 | 94.7% | 79 – 114 | 04/25/2026 00:49 | |
| Dibromofluoromethane | 1868-53-7 | 108% | 78 – 116 | 04/25/2026 00:49 | |
| Toluene-d8 | 2037-26-5 | 94.5% | 76 – 127 | 04/25/2026 00:49 | 5 |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 8 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 09:34 | TJH | B |
| Alkalinity, Total | 8 | 3,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 09:34 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 14:03 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 2.3 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/23/2026 17:26 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/23/2026 17:26 | J1W | B |
| Nitrate-N | 1.8 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/23/2026 17:26 | J1W | B |
| pH | 6.93 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/24/2026 09:34 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:17 | A1L | G |
| Specific Conductance | 63 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 9.2 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/23/2026 17:26 | J1W | B |
| Total Dissolved Solids | 45 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/24/2026 17:00 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP016W | Collected | 04/22/2026 09:27 |
| Lab Sample ID | 3456614001 | Lab Receipt | 04/22/2026 15:30 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | ND | ND,P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 0.55 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/23/2026 07:53 | AOO | B |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP004W | Collected | 04/22/2026 13:27 |
| Lab Sample ID | 3456614002 | Lab Receipt | 04/22/2026 15:30 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 50.78 | P1 | Feet | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Dissolved Oxygen | 7.81 | P1 | mg/L | 0.01 | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Elev Top MW Casing above MSL | 529.53 | P1 | Feet | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Flow Rate | 1.84 | P1 | gal/min | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Ground Water Elevation | 478.75 | P1 | ft/MSL | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Oxidation-Reduction Potential | 304 | P1 | mV | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| pH, Field (SM4500B) | 5.52 | P1 | pH_Units | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Sample Depth | 130.00 | P1 | Feet | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Specific Conductance, Field | 246 | P1 | umhos/cm | 1 | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Temperature | 14.70 | P1 | Deg. C | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Total Well Depth | 140.00 | P1 | Feet | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Turbidity, Field | 5 | P1 | NTU | 1 | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Volume in Water Column | 131.15 | P1 | Gallons | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Water Level After Purge | 55.03 | P1 | Feet | | Field | 1 | 04/22/2026 13:27 | EMP | D |
| Well Volumes Purged | 1.05 | P1 | Vol | | Field | 1 | 04/22/2026 13:27 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/25/2026 01:13 | CMQ | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Barium, Dissolved | 0.022 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Barium, Total | 0.023 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Calcium, Dissolved | 15.7 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Calcium, Total | 15.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Iron, Total | 0.53 | P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Magnesium, Dissolved | 5.5 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:15 | KXH | C1 |
| Magnesium, Total | 5.6 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:07 | KXH | K2 |
| Manganese, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP004W | Collected | 04/22/2026 13:27 |
| Lab Sample ID | 3456614002 | Lab Receipt | 04/22/2026 15:30 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:20 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:52 | ZAS | K |
| Nickel, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Potassium, Dissolved | 1.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Potassium, Total | 1.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Sodium, Dissolved | 19.7 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:15 | KXH | C1 |
| Sodium, Total | 19.8 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:07 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |
| Zinc, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 09:52 | KXH | C1 |
| Zinc, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 13:34 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,1,2-Trichloroethane | ND | ND,2,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP004W | Collected | 04/22/2026 13:27 |
| Lab Sample ID | 3456614002 | Lab Receipt | 04/22/2026 15:30 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| cis-1,3-Dichloropropene | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:13 | CMQ | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 118% | 62 – 133 | 04/25/2026 01:13 | |
| 4-Bromofluorobenzene | 460-00-4 | 106% | 79 – 114 | 04/25/2026 01:13 | |
| Dibromofluoromethane | 1868-53-7 | 98.6% | 78 – 116 | 04/25/2026 01:13 | |
| Toluene-d8 | 2037-26-5 | 84.4% | 76 – 127 | 04/25/2026 01:13 | 5 |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 21 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 09:48 | TJH | B |
| Alkalinity, Total | 21 | 3,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 09:48 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 15:56 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 46.0 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/23/2026 17:39 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/23/2026 17:39 | J1W | B |
| Nitrate-N | 5.3 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/23/2026 17:39 | J1W | B |
| pH | 7.03 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/24/2026 09:48 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:13 | A1L | G |
| Specific Conductance | 252 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 4.6 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/23/2026 17:39 | J1W | B |
| Total Dissolved Solids | 166 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/24/2026 17:00 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP004W | Collected | 04/22/2026 13:27 |
| Lab Sample ID | 3456614002 | Lab Receipt | 04/22/2026 15:30 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | ND | ND,P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 4.8 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/23/2026 07:53 | AOO | B |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP002W | Collected | 04/22/2026 14:26 |
| Lab Sample ID | 3456614003 | Lab Receipt | 04/22/2026 15:30 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 45.36 | P1 | Feet | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Dissolved Oxygen | 1.20 | P1 | mg/L | 0.01 | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Elev Top MW Casing above MSL | 525.81 | P1 | Feet | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Flow Rate | 1.83 | P1 | gal/min | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Ground Water Elevation | 480.45 | P1 | ft/MSL | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Oxidation-Reduction Potential | 189 | P1 | mV | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| pH, Field (SM4500B) | 5.89 | P1 | pH_Units | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Sample Depth | 85.00 | P1 | Feet | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Specific Conductance, Field | 424 | P1 | umhos/cm | 1 | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Temperature | 13.96 | P1 | Deg. C | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Total Well Depth | 100.00 | P1 | Feet | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Turbidity, Field | ND | ND,P1 | NTU | 1 | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Volume in Water Column | 80.32 | P1 | Gallons | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Water Level After Purge | 46.75 | P1 | Feet | | Field | 1 | 04/22/2026 14:26 | EMP | D |
| Well Volumes Purged | 1.25 | P1 | Vol | | Field | 1 | 04/22/2026 14:26 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/25/2026 01:36 | CMQ | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Barium, Dissolved | 0.060 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Barium, Total | 0.061 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Calcium, Dissolved | 39.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Calcium, Total | 38.1 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Cobalt, Total | 0.019 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Iron, Total | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Magnesium, Dissolved | 17.0 | P1 | mg/L | 1.1 | SW846 6020A | 10 | 05/18/2026 14:18 | KXH | C1 |
| Magnesium, Total | 16.9 | P1 | mg/L | 1.1 | SW846 6020A | 10 | 05/14/2026 16:20 | KXH | K2 |
| Manganese, Dissolved | 0.82 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP002W | Collected | 04/22/2026 14:26 |
| Lab Sample ID | 3456614003 | Lab Receipt | 04/22/2026 15:30 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 0.82 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:22 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:53 | ZAS | K |
| Nickel, Total | 0.022 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Potassium, Dissolved | 2.8 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Potassium, Total | 2.8 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Sodium, Dissolved | 28.3 | P1 | mg/L | 1.1 | SW846 6020A | 10 | 05/18/2026 14:18 | KXH | C1 |
| Sodium, Total | 28.0 | P1 | mg/L | 1.1 | SW846 6020A | 10 | 05/14/2026 16:20 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |
| Zinc, Dissolved | 0.011 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:10 | KXH | C1 |
| Zinc, Total | 0.0099 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:14 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,1,2-Trichloroethane | ND | ND,2,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,1-Dichloroethane | 5.0 | P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP002W | Collected | 04/22/2026 14:26 |
| Lab Sample ID | 3456614003 | Lab Receipt | 04/22/2026 15:30 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Chloroethane | 15.4 | P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| cis-1,3-Dichloropropene | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 01:36 | CMQ | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 94% | 62 – 133 | 04/25/2026 01:36 | |
| 4-Bromofluorobenzene | 460-00-4 | 94.3% | 79 – 114 | 04/25/2026 01:36 | |
| Dibromofluoromethane | 1868-53-7 | 99.2% | 78 – 116 | 04/25/2026 01:36 | |
| Toluene-d8 | 2037-26-5 | 96.3% | 76 – 127 | 04/25/2026 01:36 | 5 |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 73 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 10:00 | TJH | B |
| Alkalinity, Total | 73 | 3,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 10:00 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 13:21 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 89.0 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/23/2026 19:40 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/23/2026 19:40 | J1W | B |
| Nitrate-N | 5.6 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/23/2026 19:40 | J1W | B |
| pH | 7.20 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/24/2026 10:00 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:10 | A1L | G |
| Specific Conductance | 537 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 18.8 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/23/2026 19:40 | J1W | B |
| Total Dissolved Solids | 306 | 6,P1 | mg/L | 25 | SM2540C-15 | 1 | 04/24/2026 17:00 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP002W | Collected | 04/22/2026 14:26 |
| Lab Sample ID | 3456614003 | Lab Receipt | 04/22/2026 15:30 |

### WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | 2.4 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 1.8 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/23/2026 07:53 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/22/2026 00:00 |
| Lab Sample ID | 3456614004 | Lab Receipt | 04/22/2026 15:30 |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/24/2026 23:15 | CMQ | A |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,1,2-Trichloroethane | ND | ND,2,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| cis-1,3-Dichloropropene | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/22/2026 00:00 |
| Lab Sample ID | 3456614004 | Lab Receipt | 04/22/2026 15:30 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/24/2026 23:15 | CMQ | A |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 117% | 62 – 133 | 04/24/2026 23:15 | |
| 4-Bromofluorobenzene | 460-00-4 | 99.5% | 79 – 114 | 04/24/2026 23:15 | |
| Dibromofluoromethane | 1868-53-7 | 97.8% | 78 – 116 | 04/24/2026 23:15 | |
| Toluene-d8 | 2037-26-5 | 108% | 76 – 127 | 04/24/2026 23:15 | 5 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/22/2026 10:45 |
| Lab Sample ID | 3456614005 | Lab Receipt | 04/22/2026 15:30 |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/25/2026 00:02 | CMQ | A |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,1,2-Trichloroethane | ND | ND,2,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| cis-1,3-Dichloropropene | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Iodomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/22/2026 10:45 |
| Lab Sample ID | 3456614005 | Lab Receipt | 04/22/2026 15:30 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/25/2026 00:02 | CMQ | A |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 102% | 62 – 133 | 04/25/2026 00:02 | |
| 4-Bromofluorobenzene | 460-00-4 | 95.8% | 79 – 114 | 04/25/2026 00:02 | |
| Dibromofluoromethane | 1868-53-7 | 90% | 78 – 116 | 04/25/2026 00:02 | |
| Toluene-d8 | 2037-26-5 | 94.4% | 76 – 127 | 04/25/2026 00:02 | 5 |

## Sample - Method Cross Reference Table

| Lab ID | Sample ID | Analysis Method | Preparation Method | Leachate Method |
|---|---|---|---|---|
| 3456614001 | CWMP016W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456614002 | CWMP004W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456614003 | CWMP002W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456614004 | Trip Blank | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| 3456614005 | Field Blank | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |

# QUALITY CONTROL DATA CROSS REFERENCE TABLE

| Lab ID | Sample ID | Preparation Method | Prep Batch | Prep Date/Time | By | Analysis Method | Anly Batch |
|---|---|---|---|---|---|---|---|
| 3456614001 | CWMP016W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546135 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541005 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540592 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540594 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540806 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1540848 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540806 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541481 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456614002 | CWMP004W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546135 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541005 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540592 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540594 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540806 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1540848 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540806 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456614003 | CWMP002W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546135 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541005 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540592 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540594 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540806 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1540848 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540806 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456614004 | Trip Blank | N/A | N/A | N/A | | Lib Search VOC | 1546135 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541005 |
| 3456614005 | Field Blank | N/A | N/A | N/A | | Lib Search VOC | 1546135 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541005 |

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

# CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 3456614
Logged By: MZP
PM: SIW
ALS Quote #:

**Client Name:** Lancaster County Solid Waste MA

**Address:** 1299 Harrisburg Pike, Lancaster PA 17604

**Contact:** Dan Brown
**Phone#:** 717-553-5864
**Project Name/#:** Creswell/GWMP Form 19Q
**Bill To:** Lancaster County Solid Waste MA
**Purchase Order #:**

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.
**Date Required:** **Approved?**
**Email?** [x] dbrown@lcswma.org

| | Container Type | AG | AN | CG | P | P | | | P | P | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Container Size | 40ml | 125ml | 40ml | 500ml | 250ml | | | 250ml | 125ml | |
| | Preservative | HCL | H2SO4 | UNP | UNP | UNP | | | H2SO4 | HNO3 | |

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

**ANALYSIS / METHOD REQUESTED**

| | Sample Description/Location (as it will appear on the lab report) | Date Collected mm/dd/yy | Time hh:mm | SDWA Sample Type (see key) | *G or C | **Matrix (See bottom of COC) | TOC | O-OH | 8260 VOCs - Form 19Q | pH, CL, SpC, F, SO4, NO3, Tb, TDS | Alkalinity, HCO3 | FM | Sample Debth for AUX Data | NH3-N, COD | Total Metals Ca, Fe, Mn, Mg, K, Na | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Enter Number of Containers Per Sample or Field Results Below. | | | | | | | | | |
| 1 | CWMP016W | 4/22/26 | 09:27 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 2 | CWMP004W | 4/22/26 | 13:27 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 3 | TRIP BLANK | 4/22/26 | NA | | | DI | | | 2 | | | | | | | |
| 4 | FIELD BALNK | 4/22/26 | 10:45 | | | DI | | | 2 | | | | | | | |
| 5 | CWMP002W | 4/22/26 | 14:26 | | | | 2 | 1 | 3 | 1 | 1 | X | X | 1 | 2 | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

Receipt Info
Temp Taken By: Therm ID: G49 WO Temp (°C) 5
Receipt Info completed by:
WV Containers 0-6°C Y N NA
Cooler Custody Seals Intact Y N NA
Sample Custody Seal Intact Y N NA
Received on Ice Y N NA
Coolers & Samples Intact Y N
Correct Containers Provided Y N
Sample Label/COC Agree Y N
Adequate Sample Volumes Y N
VOA only: Trip Blank Y N NA
NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, Ilist below
Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N
Reportable SDWA Sample(s)? Y N
SDWA State of Origin?
PWSID #
Rad Screen (uCi)
New Source? Y N
New Source Contact:
PWS Contact: PWS Phone #:

**SDWA Sample Type Key:** D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup

**Sample/COC Remarks**

Sampling Hours

**Contains Short Hold Testing YES NO**
**Internal Use: If less than 48 hours - notify lab upon receipt**

**Circle Sample Collector: ALS Tech / Client**
Name: EP ID:

Comments:

| Date: | Time | Relinquished By / Company Name | | Received By / Company Name | |
|---|---|---|---|---|---|
| 4/22/2026 | 15:30 | 1 ALS EP | | 2 MRTS | |
| | | 3 | | 4 | |
| | | 5 | | 6 | |
| | | 7 | | 8 | |
| | | 9 | | 10 | |

Data Deliverables: [ ] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ]

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [x] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

# Middletown Sample Condition Form

Client LCSWMA Workorder 3456614

Temp °C 5 Therm ID 649 Ice? (Y) N N/A Initials & Date HKH 4-22-26

Fedex UPS Client (ALS) Other Tracking # _____

| | Yes | No[1] | N/A | Comments |
|---|---|---|---|---|
| Cooler Custody Seals present & intact | | | N/A | |
| Sample Custody Seals present & intact | | | N/A | |
| Chain-of-Custody present | ✓ | | | |
| Sample collector name present<br>*If not present, must contact PM/client to request name.* | ✓ | | | |
| COC/bottle labels complete & in agreement | ✓ | | | |
| •Sample location | ✓ | | | |
| •Date and time of sample collection | ✓ | | | |
| •Type(s) of preservation | ✓ | | | |
| •Number of containers | ✓ | | | |
| •Composite or grab | ✓ | | | |
| •Matrix | ✓ | | | |
| Proper containers, preservation, and volume per method | ✓ | | | |
| Received within hold time | ✓ | | | |
| Containers intact | ✓ | | | |
| Trip blanks present (EPA 504, EPA 524) | ✓ | | | |
| Field blanks present (Hg 1631, PFAS) | N/A | | | |
| NJ ≤ 4 Days | | | N/A | |
| CR6 Samples Filtered | | | | |
| OP Samples Filtered | | | | |
| ~~WV Containers 0-6°C~~ | | | | |
| SDWA compliance reporting | | | N/A | |

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 www.alsglobal.com
Associated Site: 2550 Boulevard of the Generals, Suite 290 | West Norriton, PA 19403 | Phone: 717-982-8315

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **Lancaster County Solid Waste Authority**

Project Creswell/GWMP Form 19Q
Workorder 3456710
Report ID 517192 on 6/22/2026 (Revised report. See Project Notations Section.)

## Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Apr 23, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jordan McConathey - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority
Stacey Welk - ALS Environmental

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

Stacey Welk

**Stacey Welk** *(ALS Digital Signature)*
Project Coordinator

## Sample Summary

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collector | Collection Company |
|---|---|---|---|---|---|---|
| 3456710001 | CWMP003W | Ground Water | 04/23/2026 09:01 | 04/23/2026 15:40 | EMP | ALS Environmental-Middletown |
| 3456710002 | CWMP007W | Ground Water | 04/23/2026 09:53 | 04/23/2026 15:40 | EMP | ALS Environmental-Middletown |
| 3456710003 | CWMP018S | Ground Water | 04/23/2026 10:31 | 04/23/2026 15:40 | EMP | ALS Environmental-Middletown |
| 3456710004 | CWMP017S | Ground Water | 04/23/2026 11:16 | 04/23/2026 15:40 | EMP | ALS Environmental-Middletown |
| 3456710005 | CWMP012W | Ground Water | 04/23/2026 12:29 | 04/23/2026 15:40 | EMP | ALS Environmental-Middletown |
| 3456710006 | Trip Blank | Water | 04/23/2026 00:00 | 04/23/2026 15:40 | EMP | ALS Environmental-Middletown |

# Reference

## Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

## Standard Acronyms/Flags

| | |
|---|---|
| J | Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte |
| U | Indicates that the analyte was Not Detected (ND) above the MDL |
| N | Indicates presumptive evidence of the presence of a compound |
| MDL | Method Detection Limit |
| PQL | Practical Quantitation Limit |
| RDL | Practical Quantitation Limit for this Project |
| ND | Not Detected - indicates that the analyte was Not Detected |
| Cntr | Analysis was performed using this container |
| RegLmt | Regulatory Limit |
| LCS | Laboratory Control Sample |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| DUP | Sample Duplicate |
| %Rec | Percent Recovery |
| RPD | Relative Percent Difference |
| LOD | DoD Limit of Detection |
| LOQ | DoD Limit of Quantitation |
| DL | DoD Detection Limit |
| I | Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL) |
| (S) | Surrogate Compound |
| NC | Not Calculated |
| * | Result outside of QC limits |
| # | Please reference the result in the Results Section for analyte-level flags. |

## Project Notations

**P1** This COA is revised to report Annual Form 19 Parameters. SLW 5/8/26

## Sample Notations

| Lab ID | Sample ID |
|---|---|

## Result Notations

| Notation Ref. | |
|---|---|
| 1 | The QC sample type LCS for method SW846 8260B was outside the control limits for the analyte Iodomethane. The % Recovery was reported as 131 and the control limits were 37 to 128. |
| 2 | The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L. |
| 3 | The QC sample type LCS for method EPA 300.0 was outside the control limits for the analyte Fluoride. The % Recovery was reported as 111 and the control limits were 90 to 110. The reported result is non-detect. |
| 4 | The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory. |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP003W | Collected | 04/23/2026 09:01 |
| Lab Sample ID | 3456710001 | Lab Receipt | 04/23/2026 15:40 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 55.85 | Feet | | Field | # |
| Dissolved Oxygen | 8.10 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 524.21 | Feet | | Field | # |
| Flow Rate | 1.96 | gal/min | | Field | # |
| Ground Water Elevation | 468.36 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 296 | mV | | Field | # |
| pH, Field (SM4500B) | 5.64 | pH_Units | | Field | # |
| Sample Depth | 100.00 | Feet | | Field | # |
| Specific Conductance, Field | 234 | umhos/cm | 1 | Field | # |
| Temperature | 13.92 | Deg. C | | Field | # |
| Total Well Depth | 140.00 | Feet | | Field | # |
| Volume in Water Column | 123.70 | Gallons | | Field | # |
| Water Level After Purge | 81.56 | Feet | | Field | # |
| Well Volumes Purged | 1.58 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.024 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.024 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 13.6 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 13.0 | mg/L | 0.11 | SW846 6020A | # |
| Copper, Dissolved | 0.0070 | mg/L | 0.0056 | SW846 6020A | # |
| Copper, Total | 0.0073 | mg/L | 0.0056 | SW846 6020A | # |
| Magnesium, Dissolved | 6.4 | mg/L | 0.55 | SW846 6020A | # |
| Magnesium, Total | 6.3 | mg/L | 0.55 | SW846 6020A | # |
| Manganese, Dissolved | 0.081 | mg/L | 0.0056 | SW846 6020A | # |
| Manganese, Total | 0.087 | mg/L | 0.0056 | SW846 6020A | # |
| Nickel, Total | 0.015 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 2.2 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 2.2 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 16.6 | mg/L | 0.55 | SW846 6020A | # |
| Sodium, Total | 16.3 | mg/L | 0.55 | SW846 6020A | # |
| Zinc, Dissolved | 0.012 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.011 | mg/L | 0.0056 | SW846 6020A | # |
| **VOLATILE ORGANICS** | | | | | |
| 1,1-Dichloroethane | 1.1 | ug/L | 1.0 | SW846 8260B | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 21 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 21 | mg/L | 5 | SM2320B-21 | # |
| Ammonia-N, Low Level | 0.11 | mg/L | 0.10 | S4500NH3G-21 | # |
| Chloride | 40.9 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 5.3 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 7.28 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 233 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 10.6 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 182 | mg/L | 25 | SM2540C-15 | # |

## Detected Results Summary

Sample - CWMP003W (cont.)

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **WET CHEMISTRY (cont.)** | | | | | |
| Total Organic Carbon (TOC) | 1.0 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 1.3 | NTU | 0.30 | SM2130B-20 | # |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP007W | Collected | 04/23/2026 09:53 |
| Lab Sample ID | 3456710002 | Lab Receipt | 04/23/2026 15:40 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 8.34 | Feet | | Field | # |
| Dissolved Oxygen | 5.31 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 453.40 | Feet | | Field | # |
| Flow Rate | 1.91 | gal/min | | Field | # |
| Ground Water Elevation | 445.06 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 376 | mV | | Field | # |
| pH, Field (SM4500B) | 5.25 | pH_Units | | Field | # |
| Sample Depth | 33.00 | Feet | | Field | # |
| Specific Conductance, Field | 396 | umhos/cm | 1 | Field | # |
| Temperature | 12.95 | Deg. C | | Field | # |
| Total Well Depth | 36.50 | Feet | | Field | # |
| Volume in Water Column | 41.40 | Gallons | | Field | # |
| Water Level After Purge | 9.08 | Feet | | Field | # |
| Well Volumes Purged | 1.62 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.052 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.053 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 18.3 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 17.5 | mg/L | 0.11 | SW846 6020A | # |
| Magnesium, Dissolved | 10.3 | mg/L | 0.55 | SW846 6020A | # |
| Magnesium, Total | 10.0 | mg/L | 0.55 | SW846 6020A | # |
| Manganese, Dissolved | 0.0080 | mg/L | 0.0056 | SW846 6020A | # |
| Manganese, Total | 0.0077 | mg/L | 0.0056 | SW846 6020A | # |
| Nickel, Total | 0.0061 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 2.2 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 2.2 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 38.2 | mg/L | 0.55 | SW846 6020A | # |
| Sodium, Total | 37.4 | mg/L | 0.55 | SW846 6020A | # |
| Zinc, Dissolved | 0.0088 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.015 | mg/L | 0.0056 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 12 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 12 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 86.3 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 10.9 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 7.08 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 407 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 20.8 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 278 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 0.53 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 0.95 | NTU | 0.30 | SM2130B-20 | # |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP018S | Collected | 04/23/2026 10:31 |
| Lab Sample ID | 3456710003 | Lab Receipt | 04/23/2026 15:40 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Dissolved Oxygen | 10.47 | mg/L | 0.01 | Field | # |
| Oxidation-Reduction Potential | 253 | mV | | Field | # |
| pH, Field (SM4500B) | 8.59 | pH_Units | | Field | # |
| Specific Conductance, Field | 2721 | umhos/cm | 1 | Field | # |
| Temperature | 14.25 | Deg. C | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.038 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.038 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 70.2 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 66.2 | mg/L | 0.11 | SW846 6020A | # |
| Copper, Dissolved | 0.0073 | mg/L | 0.0056 | SW846 6020A | # |
| Copper, Total | 0.0069 | mg/L | 0.0056 | SW846 6020A | # |
| Iron, Total | 0.061 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Dissolved | 116 | mg/L | 11.0 | SW846 6020A | # |
| Magnesium, Total | 115 | mg/L | 11.0 | SW846 6020A | # |
| Nickel, Total | 0.015 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 17.7 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 18.1 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 356 | mg/L | 11.0 | SW846 6020A | # |
| Sodium, Total | 347 | mg/L | 11.0 | SW846 6020A | # |
| Zinc, Dissolved | 0.037 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.036 | mg/L | 0.0056 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 562 | mg/L | 50 | SM2320B-21 | # |
| Alkalinity, Total | 585 | mg/L | 50 | SM2320B-21 | # |
| Chemical Oxygen Demand (COD) | 21 | mg/L | 15 | EPA 410.4 | # |
| Chloride | 644 | mg/L | 2.5 | EPA 300.0 | # |
| Nitrate-N | 23.8 | mg/L | 0.13 | EPA 300.0 | # |
| pH | 8.66 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 2810 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 43.2 | mg/L | 1.3 | EPA 300.0 | # |
| Total Dissolved Solids | 1550 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 6.8 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 1.3 | NTU | 0.30 | SM2130B-20 | # |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP017S | Collected | 04/23/2026 11:16 |
| Lab Sample ID | 3456710004 | Lab Receipt | 04/23/2026 15:40 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Dissolved Oxygen | 9.69 | mg/L | 0.01 | Field | # |
| Oxidation-Reduction Potential | 214 | mV | | Field | # |
| pH, Field (SM4500B) | 8.26 | pH_Units | | Field | # |
| Specific Conductance, Field | 3762 | umhos/cm | 1 | Field | # |
| Temperature | 19.92 | Deg. C | | Field | # |
| Turbidity, Field | 86 | NTU | 1 | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.025 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.027 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 79.0 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 73.8 | mg/L | 0.11 | SW846 6020A | # |
| Chromium, Dissolved | 0.0032 | mg/L | 0.0022 | SW846 6020A | # |
| Copper, Dissolved | 0.015 | mg/L | 0.0056 | SW846 6020A | # |
| Copper, Total | 0.016 | mg/L | 0.0056 | SW846 6020A | # |
| Iron, Dissolved | 0.15 | mg/L | 0.056 | SW846 6020A | # |
| Iron, Total | 0.74 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Dissolved | 174 | mg/L | 11.0 | SW846 6020A | # |
| Magnesium, Total | 175 | mg/L | 11.0 | SW846 6020A | # |
| Manganese, Dissolved | 0.12 | mg/L | 0.0056 | SW846 6020A | # |
| Manganese, Total | 0.15 | mg/L | 0.0056 | SW846 6020A | # |
| Nickel, Total | 0.0094 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 20.5 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 21.3 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 498 | mg/L | 11.0 | SW846 6020A | # |
| Sodium, Total | 495 | mg/L | 11.0 | SW846 6020A | # |
| Zinc, Dissolved | 0.21 | mg/L | 0.0056 | SW846 6020A | # |
| Zinc, Total | 0.24 | mg/L | 0.0056 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 773 | mg/L | 50 | SM2320B-21 | # |
| Alkalinity, Total | 796 | mg/L | 50 | SM2320B-21 | # |
| Chloride | 838 | mg/L | 2.5 | EPA 300.0 | # |
| Nitrate-N | 32.9 | mg/L | 0.13 | EPA 300.0 | # |
| pH | 8.49 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 3800 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 67.1 | mg/L | 1.3 | EPA 300.0 | # |
| Total Dissolved Solids | 2160 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 4.3 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 2.0 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP012W | Collected | 04/23/2026 12:29 |
| Lab Sample ID | 3456710005 | Lab Receipt | 04/23/2026 15:40 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Dissolved Oxygen | 8.17 | mg/L | 0.01 | Field | # |
| Oxidation-Reduction Potential | 185 | mV | | Field | # |
| pH, Field (SM4500B) | 8.44 | pH_Units | | Field | # |
| Specific Conductance, Field | 293 | umhos/cm | 1 | Field | # |
| Temperature | 15.01 | Deg. C | | Field | # |
| Turbidity, Field | 1 | NTU | 1 | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Total | 0.010 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Total | 28.1 | mg/L | 0.11 | SW846 6020A | # |
| Copper, Total | 0.0070 | mg/L | 0.0056 | SW846 6020A | # |
| Iron, Total | 0.062 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Total | 1.4 | mg/L | 0.11 | SW846 6020A | # |
| Mercury, Dissolved | 0.0045 | mg/L | 0.00050 | SW846 7470A | # |
| Potassium, Total | 34.8 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Total | 10.6 | mg/L | 0.11 | SW846 6020A | # |
| Zinc, Total | 0.023 | mg/L | 0.0056 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 118 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 143 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 1.5 | mg/L | 0.50 | EPA 300.0 | # |
| Nitrate-N | 1.1 | mg/L | 0.050 | EPA 300.0 | # |
| pH | 8.43 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 309 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 4.0 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 202 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 4.0 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 1.1 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/23/2026 00:00 |
| Lab Sample ID | 3456710006 | Lab Receipt | 04/23/2026 15:40 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP003W | Collected | 04/23/2026 09:01 |
| Lab Sample ID | 3456710001 | Lab Receipt | 04/23/2026 15:40 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 55.85 | P1 | Feet | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Dissolved Oxygen | 8.10 | P1 | mg/L | 0.01 | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Elev Top MW Casing above MSL | 524.21 | P1 | Feet | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Flow Rate | 1.96 | P1 | gal/min | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Ground Water Elevation | 468.36 | P1 | ft/MSL | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Oxidation-Reduction Potential | 296 | P1 | mV | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| pH, Field (SM4500B) | 5.64 | P1 | pH_Units | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Sample Depth | 100.00 | P1 | Feet | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Specific Conductance, Field | 234 | P1 | umhos/cm | 1 | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Temperature | 13.92 | P1 | Deg. C | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Total Well Depth | 140.00 | P1 | Feet | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Turbidity, Field | ND | ND,P1 | NTU | 1 | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Volume in Water Column | 123.70 | P1 | Gallons | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Water Level After Purge | 81.56 | P1 | Feet | | Field | 1 | 04/23/2026 09:01 | EMP | D |
| Well Volumes Purged | 1.58 | P1 | Vol | | Field | 1 | 04/23/2026 09:01 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/27/2026 05:54 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Barium, Dissolved | 0.024 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Barium, Total | 0.024 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Calcium, Dissolved | 13.6 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Calcium, Total | 13.0 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Copper, Dissolved | 0.0070 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Copper, Total | 0.0073 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Iron, Total | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Magnesium, Dissolved | 6.4 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:33 | KXH | C1 |
| Magnesium, Total | 6.3 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:23 | KXH | K2 |
| Manganese, Dissolved | 0.081 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP003W | Collected | 04/23/2026 09:01 |
| Lab Sample ID | 3456710001 | Lab Receipt | 04/23/2026 15:40 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 0.087 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:23 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:54 | ZAS | K |
| Nickel, Total | 0.015 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Potassium, Dissolved | 2.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Potassium, Total | 2.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Sodium, Dissolved | 16.6 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:33 | KXH | C1 |
| Sodium, Total | 16.3 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:23 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |
| Zinc, Dissolved | 0.012 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:13 | KXH | C1 |
| Zinc, Total | 0.011 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:16 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,1-Dichloroethane | 1.1 | P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP003W | Collected | 04/23/2026 09:01 |
| Lab Sample ID | 3456710001 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Iodomethane | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 05:54 | PDK | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 119% | 62 – 133 | 04/27/2026 05:54 | |
| 4-Bromofluorobenzene | 460-00-4 | 94.4% | 79 – 114 | 04/27/2026 05:54 | |
| Dibromofluoromethane | 1868-53-7 | 110% | 78 – 116 | 04/27/2026 05:54 | |
| Toluene-d8 | 2037-26-5 | 98.5% | 76 – 127 | 04/27/2026 05:54 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 21 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 03:55 | TJH | B |
| Alkalinity, Total | 21 | 2,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 03:55 | TJH | B |
| Ammonia-N, Low Level | 0.11 | P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 12:00 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 40.9 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/24/2026 21:56 | J1W | B |
| Fluoride | ND | ND,3,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/24/2026 21:56 | J1W | B |
| Nitrate-N | 5.3 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/24/2026 21:56 | J1W | B |
| pH | 7.28 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/26/2026 03:55 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 21:07 | A1L | G |
| Specific Conductance | 233 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 10.6 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/24/2026 21:56 | J1W | B |
| Total Dissolved Solids | 182 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 16:35 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP003W | Collected | 04/23/2026 09:01 |
| Lab Sample ID | 3456710001 | Lab Receipt | 04/23/2026 15:40 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | 1.0 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 1.3 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/24/2026 09:10 | AOO | B |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP007W | Collected | 04/23/2026 09:53 |
| Lab Sample ID | 3456710002 | Lab Receipt | 04/23/2026 15:40 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 8.34 | P1 | Feet | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Dissolved Oxygen | 5.31 | P1 | mg/L | 0.01 | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Elev Top MW Casing above MSL | 453.40 | P1 | Feet | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Flow Rate | 1.91 | P1 | gal/min | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Ground Water Elevation | 445.06 | P1 | ft/MSL | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Oxidation-Reduction Potential | 376 | P1 | mV | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| pH, Field (SM4500B) | 5.25 | P1 | pH_Units | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Sample Depth | 33.00 | P1 | Feet | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Specific Conductance, Field | 396 | P1 | umhos/cm | 1 | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Temperature | 12.95 | P1 | Deg. C | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Total Well Depth | 36.50 | P1 | Feet | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Turbidity, Field | ND | ND,P1 | NTU | 1 | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Volume in Water Column | 41.40 | P1 | Gallons | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Water Level After Purge | 9.08 | P1 | Feet | | Field | 1 | 04/23/2026 09:53 | EMP | D |
| Well Volumes Purged | 1.62 | P1 | Vol | | Field | 1 | 04/23/2026 09:53 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/27/2026 06:17 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Barium, Dissolved | 0.052 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Barium, Total | 0.053 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Calcium, Dissolved | 18.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Calcium, Total | 17.5 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Copper, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Copper, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Iron, Total | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Magnesium, Dissolved | 10.3 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:36 | KXH | C1 |
| Magnesium, Total | 10.0 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:25 | KXH | K2 |
| Manganese, Dissolved | 0.0080 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP007W | Collected | 04/23/2026 09:53 |
| Lab Sample ID | 3456710002 | Lab Receipt | 04/23/2026 15:40 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 0.0077 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:26 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:58 | ZAS | K |
| Nickel, Total | 0.0061 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Potassium, Dissolved | 2.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Potassium, Total | 2.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Sodium, Dissolved | 38.2 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/18/2026 14:36 | KXH | C1 |
| Sodium, Total | 37.4 | P1 | mg/L | 0.55 | SW846 6020A | 5 | 05/14/2026 16:25 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |
| Zinc, Dissolved | 0.0088 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:15 | KXH | C1 |
| Zinc, Total | 0.015 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:19 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP007W | Collected | 04/23/2026 09:53 |
| Lab Sample ID | 3456710002 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Iodomethane | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 06:17 | PDK | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 118% | 62 – 133 | 04/27/2026 06:17 | |
| 4-Bromofluorobenzene | 460-00-4 | 94.4% | 79 – 114 | 04/27/2026 06:17 | |
| Dibromofluoromethane | 1868-53-7 | 109% | 78 – 116 | 04/27/2026 06:17 | |
| Toluene-d8 | 2037-26-5 | 97.4% | 76 – 127 | 04/27/2026 06:17 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 12 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 02:53 | TJH | B |
| Alkalinity, Total | 12 | 2,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 02:53 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 16:42 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 86.3 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/24/2026 22:10 | J1W | B |
| Fluoride | ND | ND,3,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 04/24/2026 22:10 | J1W | B |
| Nitrate-N | 10.9 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/24/2026 22:10 | J1W | B |
| pH | 7.08 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/26/2026 02:53 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:57 | A1L | G |
| Specific Conductance | 407 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 20.8 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/24/2026 22:10 | J1W | B |
| Total Dissolved Solids | 278 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 16:35 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP007W | Collected | 04/23/2026 09:53 |
| Lab Sample ID | 3456710002 | Lab Receipt | 04/23/2026 15:40 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | 0.53 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 0.95 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/24/2026 09:10 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP018S | Collected | 04/23/2026 10:31 |
| Lab Sample ID | 3456710003 | Lab Receipt | 04/23/2026 15:40 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | 10.47 | P1 | mg/L | 0.01 | Field | 1 | 04/23/2026 10:31 | SM | D |
| Oxidation-Reduction Potential | 253 | P1 | mV | | Field | 1 | 04/23/2026 10:31 | SM | D |
| pH, Field (SM4500B) | 8.59 | P1 | pH_Units | | Field | 1 | 04/23/2026 10:31 | SM | D |
| Specific Conductance, Field | 2721 | P1 | umhos/cm | 1 | Field | 1 | 04/23/2026 10:31 | SM | D |
| Temperature | 14.25 | P1 | Deg. C | | Field | 1 | 04/23/2026 10:31 | SM | D |
| Turbidity, Field | ND | ND,P1 | NTU | 1 | Field | 1 | 04/23/2026 10:31 | SM | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/27/2026 07:26 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Barium, Dissolved | 0.038 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Barium, Total | 0.038 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Calcium, Dissolved | 70.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Calcium, Total | 66.2 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Chromium, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Copper, Dissolved | 0.0073 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Copper, Total | 0.0069 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Iron, Dissolved | ND | ND,P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Iron, Total | 0.061 | P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Magnesium, Dissolved | 116 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/18/2026 14:38 | KXH | C1 |
| Magnesium, Total | 115 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/14/2026 16:28 | KXH | K2 |
| Manganese, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Manganese, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:27 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 17:59 | ZAS | K |
| Nickel, Total | 0.015 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Potassium, Dissolved | 17.7 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Potassium, Total | 18.1 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP018S | Collected | 04/23/2026 10:31 |
| Lab Sample ID | 3456710003 | Lab Receipt | 04/23/2026 15:40 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Sodium, Dissolved | 356 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/18/2026 14:38 | KXH | C1 |
| Sodium, Total | 347 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/14/2026 16:28 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |
| Zinc, Dissolved | 0.037 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:18 | KXH | C1 |
| Zinc, Total | 0.036 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:21 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP018S | Collected | 04/23/2026 10:31 |
| Lab Sample ID | 3456710003 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Iodomethane | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:26 | PDK | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 118% | 62 – 133 | 04/27/2026 07:26 | |
| 4-Bromofluorobenzene | 460-00-4 | 93.7% | 79 – 114 | 04/27/2026 07:26 | |
| Dibromofluoromethane | 1868-53-7 | 110% | 78 – 116 | 04/27/2026 07:26 | |
| Toluene-d8 | 2037-26-5 | 94.7% | 76 – 127 | 04/27/2026 07:26 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 562 | P1 | mg/L | 50 | SM2320B-21 | 10 | 04/26/2026 04:10 | TJH | B |
| Alkalinity, Total | 585 | 2,P1 | mg/L | 50 | SM2320B-21 | 10 | 04/26/2026 04:10 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 15:11 | AYS | A |
| Chemical Oxygen Demand (COD) | 21 | P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 644 | P1 | mg/L | 2.5 | EPA 300.0 | 10 | 05/05/2026 04:54 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 1.0 | EPA 300.0 | 10 | 05/05/2026 04:54 | J1W | B |
| Nitrate-N | 23.8 | P1 | mg/L | 0.13 | EPA 300.0 | 5 | 04/24/2026 22:23 | J1W | B |
| pH | 8.66 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/24/2026 16:56 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:54 | A1L | G |
| Specific Conductance | 2810 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 43.2 | P1 | mg/L | 1.3 | EPA 300.0 | 5 | 04/24/2026 22:23 | J1W | B |
| Total Dissolved Solids | 1550 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 16:35 | RAG | B |
| Total Organic Carbon (TOC) | 6.8 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 1.3 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/24/2026 09:10 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP017S | Collected | 04/23/2026 11:16 |
| Lab Sample ID | 3456710004 | Lab Receipt | 04/23/2026 15:40 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | 9.69 | P1 | mg/L | 0.01 | Field | 1 | 04/23/2026 11:16 | SM | D |
| Oxidation-Reduction Potential | 214 | P1 | mV | | Field | 1 | 04/23/2026 11:16 | SM | D |
| pH, Field (SM4500B) | 8.26 | P1 | pH_Units | | Field | 1 | 04/23/2026 11:16 | SM | D |
| Specific Conductance, Field | 3762 | P1 | umhos/cm | 1 | Field | 1 | 04/23/2026 11:16 | SM | D |
| Temperature | 19.92 | P1 | Deg. C | | Field | 1 | 04/23/2026 11:16 | SM | D |
| Turbidity, Field | 86 | P1 | NTU | 1 | Field | 1 | 04/23/2026 11:16 | SM | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/27/2026 07:49 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Arsenic, Dissolved | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Barium, Dissolved | 0.025 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Barium, Total | 0.027 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Cadmium, Dissolved | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Calcium, Dissolved | 79.0 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Calcium, Total | 73.8 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Chromium, Dissolved | 0.0032 | P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Copper, Dissolved | 0.015 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Copper, Total | 0.016 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Iron, Dissolved | 0.15 | P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Iron, Total | 0.74 | P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Lead, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Magnesium, Dissolved | 174 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/18/2026 14:41 | KXH | C1 |
| Magnesium, Total | 175 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/14/2026 16:30 | KXH | K2 |
| Manganese, Dissolved | 0.12 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Manganese, Total | 0.15 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Mercury, Dissolved | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:29 | ZAS | C |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:00 | ZAS | K |
| Nickel, Total | 0.0094 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Potassium, Dissolved | 20.5 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Potassium, Total | 21.3 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Selenium, Dissolved | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Silver, Dissolved | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP017S | Collected | 04/23/2026 11:16 |
| Lab Sample ID | 3456710004 | Lab Receipt | 04/23/2026 15:40 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Sodium, Dissolved | 498 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/18/2026 14:41 | KXH | C1 |
| Sodium, Total | 495 | P1 | mg/L | 11.0 | SW846 6020A | 100 | 05/14/2026 16:30 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |
| Zinc, Dissolved | 0.21 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:20 | KXH | C1 |
| Zinc, Total | 0.24 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:24 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP017S | Collected | 04/23/2026 11:16 |
| Lab Sample ID | 3456710004 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Iodomethane | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 07:49 | PDK | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 120% | 62 – 133 | 04/27/2026 07:49 | |
| 4-Bromofluorobenzene | 460-00-4 | 93.6% | 79 – 114 | 04/27/2026 07:49 | |
| Dibromofluoromethane | 1868-53-7 | 111% | 78 – 116 | 04/27/2026 07:49 | |
| Toluene-d8 | 2037-26-5 | 98.2% | 76 – 127 | 04/27/2026 07:49 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 773 | P1 | mg/L | 50 | SM2320B-21 | 10 | 04/26/2026 04:22 | TJH | B |
| Alkalinity, Total | 796 | 2,P1 | mg/L | 50 | SM2320B-21 | 10 | 04/26/2026 04:22 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 15:17 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 838 | P1 | mg/L | 2.5 | EPA 300.0 | 10 | 05/05/2026 05:10 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 1.0 | EPA 300.0 | 10 | 05/05/2026 05:10 | J1W | B |
| Nitrate-N | 32.9 | P1 | mg/L | 0.13 | EPA 300.0 | 5 | 04/24/2026 22:37 | J1W | B |
| pH | 8.49 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/24/2026 17:48 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:33 | A1L | G |
| Specific Conductance | 3800 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 67.1 | P1 | mg/L | 1.3 | EPA 300.0 | 5 | 04/24/2026 22:37 | J1W | B |
| Total Dissolved Solids | 2160 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 16:35 | RAG | B |
| Total Organic Carbon (TOC) | 4.3 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 2.0 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/24/2026 09:10 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP012W | Collected | 04/23/2026 12:29 |
| Lab Sample ID | 3456710005 | Lab Receipt | 04/23/2026 15:40 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | 8.17 | P1 | mg/L | 0.01 | Field | 1 | 04/23/2026 12:29 | EMP | D |
| Oxidation-Reduction Potential | 185 | P1 | mV | | Field | 1 | 04/23/2026 12:29 | EMP | D |
| pH, Field (SM4500B) | 8.44 | P1 | pH_Units | | Field | 1 | 04/23/2026 12:29 | EMP | D |
| Specific Conductance, Field | 293 | P1 | umhos/cm | 1 | Field | 1 | 04/23/2026 12:29 | EMP | D |
| Temperature | 15.01 | P1 | Deg. C | | Field | 1 | 04/23/2026 12:29 | EMP | D |
| Turbidity, Field | 1 | P1 | NTU | 1 | Field | 1 | 04/23/2026 12:29 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/27/2026 08:12 | PDK | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Arsenic, Total | ND | ND,P1 | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Barium, Total | 0.010 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Beryllium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Cadmium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Calcium, Total | 28.1 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Chromium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Cobalt, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Copper, Total | 0.0070 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Iron, Total | 0.062 | P1 | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Lead, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Magnesium, Total | 1.4 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 16:33 | KXH | K2 |
| Manganese, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Mercury, Dissolved | 0.0045 | P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:30 | ZAS | |
| Mercury, Total | ND | ND,P1 | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:05 | ZAS | K |
| Nickel, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Potassium, Total | 34.8 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Selenium, Total | ND | ND,P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Silver, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Sodium, Total | 10.6 | P1 | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 16:33 | KXH | K2 |
| Thallium, Total | ND | ND,P1 | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Vanadium, Total | ND | ND,P1 | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |
| Zinc, Total | 0.023 | P1 | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:26 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP012W | Collected | 04/23/2026 12:29 |
| Lab Sample ID | 3456710005 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Iodomethane | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 08:12 | PDK | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP012W | Collected | 04/23/2026 12:29 |
| Lab Sample ID | 3456710005 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 123% | 62 – 133 | 04/27/2026 08:12 | |
| 4-Bromofluorobenzene | 460-00-4 | 96.9% | 79 – 114 | 04/27/2026 08:12 | |
| Dibromofluoromethane | 1868-53-7 | 113% | 78 – 116 | 04/27/2026 08:12 | |
| Toluene-d8 | 2037-26-5 | 97.6% | 76 – 127 | 04/27/2026 08:12 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 118 | P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 18:04 | TJH | B |
| Alkalinity, Total | 143 | 2,P1 | mg/L | 5 | SM2320B-21 | 1 | 04/24/2026 18:04 | TJH | B |
| Ammonia-N, Low Level | ND | ND,P1 | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/27/2026 15:14 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND,P1 | mg/L | 15 | EPA 410.4 | 1 | 04/24/2026 13:45 | KMS | A |
| Chloride | 1.5 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/24/2026 22:50 | J1W | B |
| Fluoride | ND | ND,P1 | mg/L | 0.20 | EPA 300.0 | 2 | 05/05/2026 05:25 | J1W | B |
| Nitrate-N | 1.1 | P1 | mg/L | 0.050 | EPA 300.0 | 2 | 04/24/2026 22:50 | J1W | B |
| pH | 8.43 | 4,P1 | pH_Units | | SM4500HB-21 | 1 | 04/24/2026 18:04 | TJH | B |
| Phenolics | ND | ND,P1 | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 20:37 | A1L | G |
| Specific Conductance | 309 | P1 | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 4.0 | P1 | mg/L | 0.50 | EPA 300.0 | 2 | 04/24/2026 22:50 | J1W | B |
| Total Dissolved Solids | 202 | P1 | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 16:35 | RAG | B |
| Total Organic Carbon (TOC) | 4.0 | P1 | mg/L | 0.50 | SW846 9060A | 1 | 04/27/2026 23:45 | PAG | E |
| Turbidity | 1.1 | P1 | NTU | 0.30 | SM2130B-20 | 1 | 04/24/2026 09:10 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/23/2026 00:00 |
| Lab Sample ID | 3456710006 | Lab Receipt | 04/23/2026 15:40 |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | P1 | | | Lib Search VOC | 1 | 04/27/2026 01:19 | PDK | A |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,1,1-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,1,2,2-Tetrachloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,1,2-Trichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,1-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,1-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,2,3-Trichloropropane | ND | ND,P1 | ug/L | 2.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,2-Dibromo-3-chloropropane | ND | ND,P1 | ug/L | 7.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,2-Dibromoethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,2-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,2-Dichloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,2-Dichloropropane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,3-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 1,4-Dichlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 2-Butanone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 2-Hexanone | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 3-Chloro-1-propene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Acetone | ND | ND,P1 | ug/L | 10.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Acrylonitrile | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Benzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Bromochloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Bromodichloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Bromoform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Bromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Carbon Disulfide | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Carbon Tetrachloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Chlorobenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Chlorodibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Chloroethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Chloroform | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Chloromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| cis-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| cis-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Dibromomethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Dichlorodifluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Ethylbenzene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Iodomethane | ND | ND,1,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Methylene Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Styrene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Tetrachloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/23/2026 00:00 |
| Lab Sample ID | 3456710006 | Lab Receipt | 04/23/2026 15:40 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Total Xylenes | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| trans-1,2-Dichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| trans-1,3-Dichloropropene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| trans-1,4-Dichloro-2-butene | ND | ND,P1 | ug/L | 3.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Trichloroethene | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Trichlorofluoromethane | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Vinyl Acetate | ND | ND,P1 | ug/L | 5.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |
| Vinyl Chloride | ND | ND,P1 | ug/L | 1.0 | SW846 8260B | 1 | 04/27/2026 01:19 | PDK | A |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 114% | 62 – 133 | 04/27/2026 01:19 | |
| 4-Bromofluorobenzene | 460-00-4 | 98.8% | 79 – 114 | 04/27/2026 01:19 | |
| Dibromofluoromethane | 1868-53-7 | 106% | 78 – 116 | 04/27/2026 01:19 | |
| Toluene-d8 | 2037-26-5 | 98.9% | 76 – 127 | 04/27/2026 01:19 | |

## Sample - Method Cross Reference Table

| Lab ID | Sample ID | Analysis Method | Preparation Method | Leachate Method |
|---|---|---|---|---|
| 3456710001 | CWMP003W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456710002 | CWMP007W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456710003 | CWMP018S | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |

| Lab ID | Sample ID | Analysis Method | Preparation Method | Leachate Method |
|---|---|---|---|---|
| 3456710004 | CWMP017S | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456710005 | CWMP012W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456710006 | Trip Blank | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |

# QUALITY CONTROL DATA CROSS REFERENCE TABLE

| Lab ID | Sample ID | Preparation Method | Prep Batch | Prep Date/Time | By | Analysis Method | Anly Batch |
|---|---|---|---|---|---|---|---|
| 3456710001 | CWMP003W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546138 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541389 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540803 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1541008 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541133 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1541008 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456710002 | CWMP007W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546138 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541389 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540803 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1541008 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541133 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1541008 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456710003 | CWMP018S | N/A | N/A | N/A | | Field | |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546138 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541389 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1543359 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540803 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1541008 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541133 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540806 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |

| Lab ID | Sample ID | Preparation Method | Prep Batch | Prep Date/Time | By | Analysis Method | Anly Batch |
|---|---|---|---|---|---|---|---|
| 3456710004 | CWMP017S | N/A | N/A | N/A | | Field | |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546138 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541389 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1543359 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540803 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1541008 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541133 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540806 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456710005 | CWMP012W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546138 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541389 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1543359 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1540834 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541394 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1540803 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1540806 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541133 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1540806 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541482 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456710006 | Trip Blank | N/A | N/A | N/A | | Lib Search VOC | 1546138 |
| | | N/A | N/A | N/A | | SW846 8260B | 1541389 |

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

# CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

COC #: 3456710
Logged By: MZP
PM: SIW
ALS Quote #:

**Client Name:** Lancaster County Solid Waste MA

**Address:** 1299 Harrisburg Pike, Lancaster PA 17604

**Contact:** Dan Brown
**Phone#:** 717-553-5864
**Project Name/#:** Creswell/GWMP Form 19Q
**Bill To:** Lancaster County Solid Waste MA
**Purchase Order #:**

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.
Date Required: Approved?
Email? [x] dbrown@lcswma.org

| | Container Type | AG | AN | CG | P | P | | | P | P | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Container Size | 40ml | 125ml | 40ml | 500ml | 250ml | | | 250ml | 125ml | |
| | Preservative | HCL | H2SO4 | UNP | UNP | UNP | | | H2SO4 | HNO3 | |

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

| | Sample Description/Location (as it will appear on the lab report) | Date Collected mm/dd/yy | Time hh:mm | SDWA Sample Type (see key) | *G or C | **Matrix (See bottom of COC) | TOC | O-OH | 8260 VOCs - Form 19Q | pH, CL, SpC, F, SO4, NO3, Tb, TDS | Alkalinity, HCO3 | FM | Sample Debith for AUX Data | NH3-N, COD | Total Metals Ca, Fe, Mn, Mg, K, Na | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Enter Number of Containers Per Sample or Field Results Below. | | | | | | | | | |
| 1 | CWMP003W | 4/23/26 | 09:01 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 2 | CWMP007W | 4/23/26 | 09:53 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 3 | TRIP BLANK | 4/23/26 | NA | | | DI | | | 2 | | | | | | | |
| 4 | CWMP018S | 4/23/26 | 10:31 | | G | GW | 2 | 1 | 2 | 1 | 1 | X | X | 1 | 2 | |
| 5 | CWMP017S | 4/23/26 | 11:16 | | G | GW | 2 | 1 | 3 | 1 | 1 | X | X | 1 | 2 | |
| 6 | CWMP012W | 4/23/26 | 12:29 | | G | GW | 2 | 1 | 3 | 1 | 1 | X | X | 1 | 2 | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

Receipt Info
Temp Taken By: Therm ID: 352 WO Temp (°C) 1
Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

| | | | |
|---|---|---|---|
| Cooler Custody Seals Intact | Y | N | NA |
| Sample Custody Seal Intact | Y | N | NA |
| Received on Ice | Y | N | NA |
| Coolers & Samples Intact | Y | N | |
| Correct Containers Provided | Y | N | |
| Sample Label/COC Agree | Y | N | |
| Adequate Sample Volumes | Y | N | |
| VOA only: Trip Blank | Y | N | NA |

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, llist below.

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N
Reportable SDWA Sample(s)? Y N
SDWA State of Origin?_____
PWSID #__
PWS Contact:_____ PWS Phone #:_____

Rad Screen (uCi)_____
New Source? Y N
New Source Contact:

**SDWA Sample Type Key:** D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup

**Sample/COC Remarks**

Sampling Hours

**Contains Short Hold Testing YES NO**
Internal Use: If less than 48 hours - notify lab upon receipt

**Circle Sample Collector: ALS Tech / Client**
Name: EP ID:

Comments:

| Date: | Time | Relinquished By / Company Name | | Received By / Company Name | |
|---|---|---|---|---|---|
| 4/22/2026 | 15:40 | 1 ALS EP | | 2 | |
| | | 3 | | 4 | |
| | | 5 | | 6 | |
| | | 7 | | 8 | |
| | | 9 | | 10 | |

Data Deliverables: [ ] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

EDDs: [ ] Excel Summary [ ] Equis [ ] Custom

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

State Samples Collected In: [ ] NY [ ] NJ [x] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057

Rev 07.06.2023

# Middletown Sample Condition Form

Client LCSWMA Workorder 3456710

Temp °C 1 Therm ID 352 Ice? (Y) N N/A Initials & Date tkh 4-23-26

Fedex UPS Client (ALS) Other Tracking # _____

| | Yes | No[1] | N/A | Comments |
|---|---|---|---|---|
| Cooler Custody Seals present & intact | | | N/A | |
| Sample Custody Seals present & intact | | | N/A | |
| Chain-of-Custody present | Y | | | |
| Sample collector name present<br>*If not present, must contact PM/client to request name.* | Y | | | |
| COC/bottle labels complete & in agreement | Y | | | |
| •Sample location | Y | | | |
| •Date and time of sample collection | Y | | | |
| •Type(s) of preservation | Y | | | |
| •Number of containers | Y | | | |
| •Composite or grab | Y | | | |
| •Matrix | Y | | | |
| Proper containers, preservation, and volume per method | Y | | | |
| Received within hold time | Y | | | |
| Containers intact | Y | | | |
| Trip blanks present (EPA 504, EPA 524) | N/A | | | |
| Field blanks present (Hg 1631, PFAS) | | | N/A | |
| NJ ≤ 4 Days | | | | |
| CR6 Samples Filtered | | | | |
| OP Samples Filtered | | | | |
| WV Containers 0-6°C | | | | |
| SDWA compliance reporting | | | N/A | |

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **Lancaster County Solid Waste Authority**

Project CRESWELL/GWMP Form 19Q
Workorder 3456793
Report ID 512149 on 5/20/2026

## Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Apr 24, 2026.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Stacey Welk (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jordan McConathey - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority
Stacey Welk - ALS Environmental

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

Stacey Welk

**Stacey Welk** *(ALS Digital Signature)*
Project Coordinator

## Sample Summary

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collector | Collection Company |
|---|---|---|---|---|---|---|
| 3456793001 | CWMP010W | Ground Water | 04/24/2026 08:53 | 04/24/2026 11:50 | EMP | ALS Environmental-Middletown |
| 3456793002 | CWMP009W | Ground Water | 04/24/2026 09:44 | 04/24/2026 11:50 | EMP | ALS Environmental-Middletown |
| 3456793003 | Trip Blank | Water | 04/24/2026 00:00 | 04/24/2026 11:50 | EMP | ALS Environmental-Middletown |
| 3456793004 | CWMP008W | Ground Water | 04/24/2026 10:30 | 04/24/2026 11:50 | EMP | ALS Environmental-Middletown |
| 3456793005 | Field Blank | Water | 04/24/2026 11:00 | 04/24/2026 11:50 | EMP | ALS Environmental-Middletown |

# Reference

## Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

## Standard Acronyms/Flags

| | |
|---|---|
| J | Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte |
| U | Indicates that the analyte was Not Detected (ND) above the MDL |
| N | Indicates presumptive evidence of the presence of a compound |
| MDL | Method Detection Limit |
| PQL | Practical Quantitation Limit |
| RDL | Practical Quantitation Limit for this Project |
| ND | Not Detected - indicates that the analyte was Not Detected |
| Cntr | Analysis was performed using this container |
| RegLmt | Regulatory Limit |
| LCS | Laboratory Control Sample |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| DUP | Sample Duplicate |
| %Rec | Percent Recovery |
| RPD | Relative Percent Difference |
| LOD | DoD Limit of Detection |
| LOQ | DoD Limit of Quantitation |
| DL | DoD Detection Limit |
| I | Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL) |
| (S) | Surrogate Compound |
| NC | Not Calculated |
| * | Result outside of QC limits |
| # | Please reference the result in the Results Section for analyte-level flags. |

## Project Notations

## Sample Notations

| Lab ID | Sample ID | | |
|---|---|---|---|
| 3456793003 | Trip Blank | **S1** | A ph >2 was detected in the preservation check for the 8260 GCMS volatile organics analysis of this sample. |
| 3456793005 | Field Blank | **S2** | A ph >2 was detected in the preservation check for the 8260 GCMS volatile organics analysis of this sample. |

## Result Notations

| Notation Ref. | |
|---|---|
| 1 | The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L. |
| 2 | The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory. |
| 3 | The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 122 and the control limits were 80 to 120. |
| 4 | The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 123 and the control limits were 80 to 120. |
| 5 | The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Sulfate. The % Recovery was reported as 126 and the control limits were 80 to 120. |
| 6 | The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Sulfate. The % Recovery was reported as 126 and the control limits were 80 to 120. |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP010W | Collected | 04/24/2026 08:53 |
| Lab Sample ID | 3456793001 | Lab Receipt | 04/24/2026 11:50 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 7.58 | Feet | | Field | # |
| Dissolved Oxygen | 6.66 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 360.90 | Feet | | Field | # |
| Flow Rate | 0.07 | gal/min | | Field | # |
| Ground Water Elevation | 353.32 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | 230 | mV | | Field | # |
| pH, Field (SM4500B) | 6.89 | pH_Units | | Field | # |
| Sample Depth | 18.00 | Feet | | Field | # |
| Specific Conductance, Field | 1532 | umhos/cm | 1 | Field | # |
| Temperature | 10.24 | Deg. C | | Field | # |
| Total Well Depth | 19.60 | Feet | | Field | # |
| Volume in Water Column | 7.81 | Gallons | | Field | # |
| Water Level After Purge | 9.95 | Feet | | Field | # |
| Well Volumes Purged | 0.15 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.054 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.056 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 53.5 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 50.7 | mg/L | 0.11 | SW846 6020A | # |
| Chromium, Dissolved | 0.0028 | mg/L | 0.0022 | SW846 6020A | # |
| Chromium, Total | 0.021 | mg/L | 0.0022 | SW846 6020A | # |
| Iron, Total | 0.21 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Dissolved | 59.2 | mg/L | 5.5 | SW846 6020A | # |
| Magnesium, Total | 57.7 | mg/L | 5.5 | SW846 6020A | # |
| Manganese, Total | 0.079 | mg/L | 0.0056 | SW846 6020A | # |
| Nickel, Total | 0.019 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 10.7 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 10.8 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 174 | mg/L | 5.5 | SW846 6020A | # |
| Sodium, Total | 168 | mg/L | 5.5 | SW846 6020A | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 41 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 233 | mg/L | 5 | SM2320B-21 | # |
| Chloride | 324 | mg/L | 1.3 | EPA 300.0 | # |
| Nitrate-N | 20.3 | mg/L | 0.13 | EPA 300.0 | # |
| pH | 8.17 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 1600 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 34.3 | mg/L | 1.3 | EPA 300.0 | # |
| Total Dissolved Solids | 818 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 3.9 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 1.7 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP009W | Collected | 04/24/2026 09:44 |
| Lab Sample ID | 3456793002 | Lab Receipt | 04/24/2026 11:50 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 8.97 | Feet | | Field | # |
| Dissolved Oxygen | 0.53 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 404.20 | Feet | | Field | # |
| Flow Rate | 0.07 | gal/min | | Field | # |
| Ground Water Elevation | 395.23 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | -37 | mV | | Field | # |
| pH, Field (SM4500B) | 6.09 | pH_Units | | Field | # |
| Sample Depth | 16.00 | Feet | | Field | # |
| Specific Conductance, Field | 3337 | umhos/cm | 1 | Field | # |
| Temperature | 12.00 | Deg. C | | Field | # |
| Total Well Depth | 19.70 | Feet | | Field | # |
| Volume in Water Column | 6.97 | Gallons | | Field | # |
| Water Level After Purge | 9.06 | Feet | | Field | # |
| Well Volumes Purged | 0.28 | Vol | | Field | # |
| **METALS** | | | | | |
| Arsenic, Total | 0.0045 | mg/L | 0.0033 | SW846 6020A | # |
| Barium, Dissolved | 0.70 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.93 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 183 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 179 | mg/L | 0.11 | SW846 6020A | # |
| Chromium, Dissolved | 0.0049 | mg/L | 0.0022 | SW846 6020A | # |
| Chromium, Total | 0.0026 | mg/L | 0.0022 | SW846 6020A | # |
| Cobalt, Total | 0.075 | mg/L | 0.0056 | SW846 6020A | # |
| Iron, Dissolved | 10.0 | mg/L | 0.056 | SW846 6020A | # |
| Iron, Total | 36.6 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Dissolved | 99.8 | mg/L | 11.0 | SW846 6020A | # |
| Magnesium, Total | 98.0 | mg/L | 5.5 | SW846 6020A | # |
| Manganese, Dissolved | 14.8 | mg/L | 0.56 | SW846 6020A | # |
| Manganese, Total | 15.0 | mg/L | 0.28 | SW846 6020A | # |
| Nickel, Total | 0.14 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 31.8 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 31.5 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 253 | mg/L | 11.0 | SW846 6020A | # |
| Sodium, Total | 245 | mg/L | 5.5 | SW846 6020A | # |
| Zinc, Dissolved | 0.017 | mg/L | 0.0056 | SW846 6020A | # |
| **VOLATILE ORGANICS** | | | | | |
| 1,1-Dichloroethane | 1.2 | ug/L | 1.0 | SW846 8260B | # |
| 1,2-Dichlorobenzene | 2.0 | ug/L | 1.0 | SW846 8260B | # |
| 1,4-Dichlorobenzene | 10.6 | ug/L | 1.0 | SW846 8260B | # |
| Benzene | 2.3 | ug/L | 1.0 | SW846 8260B | # |
| Chlorobenzene | 13.8 | ug/L | 1.0 | SW846 8260B | # |
| Chloroethane | 7.7 | ug/L | 1.0 | SW846 8260B | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 474 | mg/L | 50 | SM2320B-21 | # |
| Alkalinity, Total | 474 | mg/L | 50 | SM2320B-21 | # |
| Ammonia-N, Low Level | 31.0 | mg/L | 1.00 | S4500NH3G-21 | # |
| Chemical Oxygen Demand (COD) | 113 | mg/L | 15 | EPA 410.4 | # |

## Detected Results Summary

Sample - CWMP009W (cont.)

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **WET CHEMISTRY (cont.)** | | | | | |
| Chloride | 888 | mg/L | 2.5 | EPA 300.0 | # |
| pH | 7.47 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 3420 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 7.6 | mg/L | 1.3 | EPA 300.0 | # |
| Total Dissolved Solids | 1880 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 41.2 | mg/L | 5.0 | SW846 9060A | # |
| Turbidity | 60 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/24/2026 00:00 |
| Lab Sample ID | 3456793003 | Lab Receipt | 04/24/2026 11:50 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |

# Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP008W | Collected | 04/24/2026 10:30 |
| Lab Sample ID | 3456793004 | Lab Receipt | 04/24/2026 11:50 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **FIELD PARAMETERS** | | | | | |
| Depth to Water Level | 3.14 | Feet | | Field | # |
| Dissolved Oxygen | 0.65 | mg/L | 0.01 | Field | # |
| Elev Top MW Casing above MSL | 422.30 | Feet | | Field | # |
| Flow Rate | 0.07 | gal/min | | Field | # |
| Ground Water Elevation | 419.16 | ft/MSL | | Field | # |
| Oxidation-Reduction Potential | -4 | mV | | Field | # |
| pH, Field (SM4500B) | 6.05 | pH_Units | | Field | # |
| Sample Depth | 22.00 | Feet | | Field | # |
| Specific Conductance, Field | 668 | umhos/cm | 1 | Field | # |
| Temperature | 13.20 | Deg. C | | Field | # |
| Total Well Depth | 22.80 | Feet | | Field | # |
| Turbidity, Field | 13 | NTU | 1 | Field | # |
| Volume in Water Column | 3.15 | Gallons | | Field | # |
| Water Level After Purge | 3.97 | Feet | | Field | # |
| Well Volumes Purged | 0.57 | Vol | | Field | # |
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |
| **METALS** | | | | | |
| Barium, Dissolved | 0.095 | mg/L | 0.0056 | SW846 6020A | # |
| Barium, Total | 0.11 | mg/L | 0.0056 | SW846 6020A | # |
| Calcium, Dissolved | 50.2 | mg/L | 0.11 | SW846 6020A | # |
| Calcium, Total | 47.9 | mg/L | 0.11 | SW846 6020A | # |
| Chromium, Dissolved | 0.0035 | mg/L | 0.0022 | SW846 6020A | # |
| Cobalt, Total | 0.022 | mg/L | 0.0056 | SW846 6020A | # |
| Iron, Total | 17.5 | mg/L | 0.056 | SW846 6020A | # |
| Magnesium, Dissolved | 26.0 | mg/L | 1.1 | SW846 6020A | # |
| Magnesium, Total | 25.2 | mg/L | 1.1 | SW846 6020A | # |
| Manganese, Dissolved | 12.9 | mg/L | 0.056 | SW846 6020A | # |
| Manganese, Total | 13.4 | mg/L | 0.056 | SW846 6020A | # |
| Nickel, Total | 0.016 | mg/L | 0.0056 | SW846 6020A | # |
| Potassium, Dissolved | 6.9 | mg/L | 0.11 | SW846 6020A | # |
| Potassium, Total | 7.0 | mg/L | 0.11 | SW846 6020A | # |
| Sodium, Dissolved | 31.3 | mg/L | 1.1 | SW846 6020A | # |
| Sodium, Total | 29.7 | mg/L | 1.1 | SW846 6020A | # |
| Zinc, Dissolved | 0.017 | mg/L | 0.0056 | SW846 6020A | # |
| **VOLATILE ORGANICS** | | | | | |
| 1,1-Dichloroethane | 1.6 | ug/L | 1.0 | SW846 8260B | # |
| 1,4-Dichlorobenzene | 7.0 | ug/L | 1.0 | SW846 8260B | # |
| Chlorobenzene | 5.8 | ug/L | 1.0 | SW846 8260B | # |
| Chloroethane | 3.0 | ug/L | 1.0 | SW846 8260B | # |
| Dichlorodifluoromethane | 1.0 | ug/L | 1.0 | SW846 8260B | # |
| **WET CHEMISTRY** | | | | | |
| Alkalinity, Bicarbonate | 308 | mg/L | 5 | SM2320B-21 | # |
| Alkalinity, Total | 308 | mg/L | 5 | SM2320B-21 | # |
| Ammonia-N, Low Level | 3.60 | mg/L | 0.10 | S4500NH3G-21 | # |
| Chloride | 26.3 | mg/L | 0.50 | EPA 300.0 | # |

## Detected Results Summary

Sample - CWMP008W (cont.)

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **WET CHEMISTRY (cont.)** | | | | | |
| pH | 7.84 | pH_Units | | SM4500HB-21 | # |
| Specific Conductance | 678 | umhos/cm | 5 | SW846 9050A | # |
| Sulfate | 7.3 | mg/L | 0.50 | EPA 300.0 | # |
| Total Dissolved Solids | 376 | mg/L | 25 | SM2540C-15 | # |
| Total Organic Carbon (TOC) | 6.1 | mg/L | 0.50 | SW846 9060A | # |
| Turbidity | 45 | NTU | 0.30 | SM2130B-20 | # |

## Detected Results Summary

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/24/2026 11:00 |
| Lab Sample ID | 3456793005 | Lab Receipt | 04/24/2026 11:50 |

| Compound | Result | Units | RDL | Method | Flag |
|---|---|---|---|---|---|
| **LIBRARY SEARCH - VOLATILES** | | | | | |
| No TIC's Detected | . | | | Lib Search VOC | # |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP010W | Collected | 04/24/2026 08:53 |
| Lab Sample ID | 3456793001 | Lab Receipt | 04/24/2026 11:50 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 7.58 | | Feet | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Dissolved Oxygen | 6.66 | | mg/L | 0.01 | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Elev Top MW Casing above MSL | 360.90 | | Feet | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Flow Rate | 0.07 | | gal/min | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Ground Water Elevation | 353.32 | | ft/MSL | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Oxidation-Reduction Potential | 230 | | mV | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| pH, Field (SM4500B) | 6.89 | | pH_Units | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Sample Depth | 18.00 | | Feet | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Specific Conductance, Field | 1532 | | umhos/cm | 1 | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Temperature | 10.24 | | Deg. C | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Total Well Depth | 19.60 | | Feet | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Turbidity, Field | ND | ND | NTU | 1 | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Volume in Water Column | 7.81 | | Gallons | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Water Level After Purge | 9.95 | | Feet | | Field | 1 | 04/24/2026 08:53 | EMP | D |
| Well Volumes Purged | 0.15 | | Vol | | Field | 1 | 04/24/2026 08:53 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | | | | Lib Search VOC | 1 | 05/04/2026 16:02 | TMP | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Arsenic, Dissolved | ND | ND | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Arsenic, Total | ND | ND | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Barium, Dissolved | 0.054 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Barium, Total | 0.056 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Beryllium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Cadmium, Dissolved | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Cadmium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Calcium, Dissolved | 53.5 | | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Calcium, Total | 50.7 | | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Chromium, Dissolved | 0.0028 | | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Chromium, Total | 0.021 | | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Cobalt, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Copper, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Copper, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Iron, Dissolved | ND | ND | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Iron, Total | 0.21 | | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Lead, Dissolved | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Lead, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Magnesium, Dissolved | 59.2 | | mg/L | 5.5 | SW846 6020A | 50 | 05/18/2026 14:43 | KXH | C1 |
| Magnesium, Total | 57.7 | | mg/L | 5.5 | SW846 6020A | 50 | 05/14/2026 16:35 | KXH | K2 |
| Manganese, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP010W | Collected | 04/24/2026 08:53 |
| Lab Sample ID | 3456793001 | Lab Receipt | 04/24/2026 11:50 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 0.079 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Mercury, Dissolved | ND | ND | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:34 | ZAS | C |
| Mercury, Total | ND | ND | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:06 | ZAS | K |
| Nickel, Total | 0.019 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Potassium, Dissolved | 10.7 | | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Potassium, Total | 10.8 | | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Selenium, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Selenium, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Silver, Dissolved | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Silver, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Sodium, Dissolved | 174 | | mg/L | 5.5 | SW846 6020A | 50 | 05/18/2026 14:43 | KXH | C1 |
| Sodium, Total | 168 | | mg/L | 5.5 | SW846 6020A | 50 | 05/14/2026 16:35 | KXH | K2 |
| Thallium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Vanadium, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |
| Zinc, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:22 | KXH | C1 |
| Zinc, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:28 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,1,1-Trichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,1,2,2-Tetrachloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,1,2-Trichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,1-Dichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,1-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,2,3-Trichloropropane | ND | ND | ug/L | 2.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,2-Dibromo-3-chloropropane | ND | ND | ug/L | 7.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,2-Dibromoethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,2-Dichlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,2-Dichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,2-Dichloropropane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,3-Dichlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 1,4-Dichlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 2-Butanone | ND | ND | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 2-Hexanone | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 3-Chloro-1-propene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Acetone | ND | ND | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Acrylonitrile | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Benzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Bromochloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Bromodichloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Bromoform | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Bromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Carbon Disulfide | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Carbon Tetrachloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP010W | Collected | 04/24/2026 08:53 |
| Lab Sample ID | 3456793001 | Lab Receipt | 04/24/2026 11:50 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Chlorodibromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Chloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Chloroform | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Chloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| cis-1,2-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| cis-1,3-Dichloropropene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Dibromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Dichlorodifluoromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Ethylbenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Iodomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Methylene Chloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Styrene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Tetrachloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Toluene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Total Xylenes | ND | ND | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| trans-1,2-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| trans-1,3-Dichloropropene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| trans-1,4-Dichloro-2-butene | ND | ND | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Trichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Trichlorofluoromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Vinyl Acetate | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |
| Vinyl Chloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:02 | TMP | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 117% | 62 – 133 | 05/04/2026 16:02 | |
| 4-Bromofluorobenzene | 460-00-4 | 94.3% | 79 – 114 | 05/04/2026 16:02 | |
| Dibromofluoromethane | 1868-53-7 | 96.8% | 78 – 116 | 05/04/2026 16:02 | |
| Toluene-d8 | 2037-26-5 | 98.2% | 76 – 127 | 05/04/2026 16:02 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 41 | | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 09:07 | TJH | B |
| Alkalinity, Total | 233 | 1 | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 09:07 | TJH | B |
| Ammonia-N, Low Level | ND | ND | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/28/2026 12:44 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND | mg/L | 15 | EPA 410.4 | 1 | 04/29/2026 11:36 | KMS | A |
| Chloride | 324 | | mg/L | 1.3 | EPA 300.0 | 5 | 04/25/2026 04:40 | J1W | B |
| Fluoride | ND | ND | mg/L | 0.50 | EPA 300.0 | 5 | 05/05/2026 09:47 | J1W | B |
| Nitrate-N | 20.3 | | mg/L | 0.13 | EPA 300.0 | 5 | 04/25/2026 04:40 | J1W | B |
| pH | 8.17 | 2 | pH_Units | | SM4500HB-21 | 1 | 04/26/2026 09:07 | TJH | B |
| Phenolics | ND | ND | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 21:10 | A1L | G |
| Specific Conductance | 1600 | | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 34.3 | | mg/L | 1.3 | EPA 300.0 | 5 | 04/25/2026 04:40 | J1W | B |
| Total Dissolved Solids | 818 | | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 17:05 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP010W | Collected | 04/24/2026 08:53 |
| Lab Sample ID | 3456793001 | Lab Receipt | 04/24/2026 11:50 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | 3.9 | | mg/L | 0.50 | SW846 9060A | 1 | 04/29/2026 00:18 | PAG | E |
| Turbidity | 1.7 | | NTU | 0.30 | SM2130B-20 | 1 | 04/25/2026 08:36 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP009W | Collected | 04/24/2026 09:44 |
| Lab Sample ID | 3456793002 | Lab Receipt | 04/24/2026 11:50 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 8.97 | | Feet | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Dissolved Oxygen | 0.53 | | mg/L | 0.01 | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Elev Top MW Casing above MSL | 404.20 | | Feet | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Flow Rate | 0.07 | | gal/min | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Ground Water Elevation | 395.23 | | ft/MSL | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Oxidation-Reduction Potential | -37 | | mV | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| pH, Field (SM4500B) | 6.09 | | pH_Units | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Sample Depth | 16.00 | | Feet | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Specific Conductance, Field | 3337 | | umhos/cm | 1 | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Temperature | 12.00 | | Deg. C | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Total Well Depth | 19.70 | | Feet | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Turbidity, Field | ND | ND | NTU | 1 | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Volume in Water Column | 6.97 | | Gallons | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Water Level After Purge | 9.06 | | Feet | | Field | 1 | 04/24/2026 09:43 | EMP | D |
| Well Volumes Purged | 0.28 | | Vol | | Field | 1 | 04/24/2026 09:43 | EMP | D |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Arsenic, Dissolved | ND | ND | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Arsenic, Total | 0.0045 | | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Barium, Dissolved | 0.70 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Barium, Total | 0.93 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Beryllium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Cadmium, Dissolved | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Cadmium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Calcium, Dissolved | 183 | | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Calcium, Total | 179 | | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Chromium, Dissolved | 0.0049 | | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Chromium, Total | 0.0026 | | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Cobalt, Total | 0.075 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Copper, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Copper, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Iron, Dissolved | 10.0 | | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Iron, Total | 36.6 | | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Lead, Dissolved | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Lead, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Magnesium, Dissolved | 99.8 | | mg/L | 11.0 | SW846 6020A | 100 | 05/18/2026 14:46 | KXH | C1 |
| Magnesium, Total | 98.0 | | mg/L | 5.5 | SW846 6020A | 50 | 05/14/2026 16:38 | KXH | K2 |
| Manganese, Dissolved | 14.8 | | mg/L | 0.56 | SW846 6020A | 100 | 05/18/2026 14:46 | KXH | C1 |
| Manganese, Total | 15.0 | | mg/L | 0.28 | SW846 6020A | 50 | 05/14/2026 16:38 | KXH | K2 |
| Mercury, Dissolved | ND | ND | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:36 | ZAS | C |
| Mercury, Total | ND | ND | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:07 | ZAS | K |
| Nickel, Total | 0.14 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Potassium, Dissolved | 31.8 | | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Potassium, Total | 31.5 | | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP009W | Collected | 04/24/2026 09:44 |
| Lab Sample ID | 3456793002 | Lab Receipt | 04/24/2026 11:50 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Selenium, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Selenium, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Silver, Dissolved | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Silver, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Sodium, Dissolved | 253 | | mg/L | 11.0 | SW846 6020A | 100 | 05/18/2026 14:46 | KXH | C1 |
| Sodium, Total | 245 | | mg/L | 5.5 | SW846 6020A | 50 | 05/14/2026 16:38 | KXH | K2 |
| Thallium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Vanadium, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |
| Zinc, Dissolved | 0.017 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:25 | KXH | C1 |
| Zinc, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 14:31 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,1,1-Trichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,1,2,2-Tetrachloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,1,2-Trichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,1-Dichloroethane | 1.2 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,1-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,2,3-Trichloropropane | ND | ND | ug/L | 2.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,2-Dibromo-3-chloropropane | ND | ND | ug/L | 7.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,2-Dibromoethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,2-Dichlorobenzene | 2.0 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,2-Dichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,2-Dichloropropane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,3-Dichlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 1,4-Dichlorobenzene | 10.6 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 2-Butanone | ND | ND | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 2-Hexanone | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 3-Chloro-1-propene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Acetone | ND | ND | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Acrylonitrile | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Benzene | 2.3 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Bromochloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Bromodichloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Bromoform | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Bromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Carbon Disulfide | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Carbon Tetrachloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Chlorobenzene | 13.8 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Chlorodibromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Chloroethane | 7.7 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Chloroform | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Chloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| cis-1,2-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP009W | Collected | 04/24/2026 09:44 |
| Lab Sample ID | 3456793002 | Lab Receipt | 04/24/2026 11:50 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Dibromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Dichlorodifluoromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Ethylbenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Iodomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Methylene Chloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Styrene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Tetrachloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Toluene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Total Xylenes | ND | ND | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| trans-1,2-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| trans-1,3-Dichloropropene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| trans-1,4-Dichloro-2-butene | ND | ND | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Trichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Trichlorofluoromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Vinyl Acetate | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |
| Vinyl Chloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:25 | TMP | H |

*TICs by Library Search*

| Compound | CAS No | Result | Units | Qualifiers |
|---|---|---|---|---|
| Diethyl sulfide | 352-93-2 | 5.0 | ug/L | J,N |
| Isobutane | 75-28-5 | 4.7 | ug/L | J,N |
| Silanol, trimethyl- | 1066-40-6 | 33.1 | ug/L | J,N |
| Trimethylsilyl fluoride | 420-56-4 | 12.0 | ug/L | J,N |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 119% | 62 – 133 | 05/04/2026 16:25 | |
| 4-Bromofluorobenzene | 460-00-4 | 95.7% | 79 – 114 | 05/04/2026 16:25 | |
| Dibromofluoromethane | 1868-53-7 | 100% | 78 – 116 | 05/04/2026 16:25 | |
| Toluene-d8 | 2037-26-5 | 100% | 76 – 127 | 05/04/2026 16:25 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 474 | | mg/L | 50 | SM2320B-21 | 10 | 04/29/2026 23:43 | TJH | B |
| Alkalinity, Total | 474 | 1 | mg/L | 50 | SM2320B-21 | 10 | 04/29/2026 23:43 | TJH | B |
| Ammonia-N, Low Level | 31.0 | | mg/L | 1.00 | S4500NH3G-21 | 10 | 05/04/2026 12:53 | AYS | A |
| Chemical Oxygen Demand (COD) | 113 | | mg/L | 15 | EPA 410.4 | 1 | 04/29/2026 11:36 | KMS | A |
| Chloride | 888 | | mg/L | 2.5 | EPA 300.0 | 10 | 05/05/2026 10:02 | J1W | B |
| Fluoride | ND | ND | mg/L | 1.0 | EPA 300.0 | 10 | 05/05/2026 10:02 | J1W | B |
| Nitrate-N | ND | ND | mg/L | 0.13 | EPA 300.0 | 5 | 04/25/2026 04:53 | J1W | B |
| pH | 7.47 | 2 | pH_Units | | SM4500HB-21 | 1 | 04/26/2026 09:20 | TJH | B |
| Phenolics | ND | ND | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 22:00 | A1L | G |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP009W | Collected | 04/24/2026 09:44 |
| Lab Sample ID | 3456793002 | Lab Receipt | 04/24/2026 11:50 |

## WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | 3420 | | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 7.6 | | mg/L | 1.3 | EPA 300.0 | 5 | 04/25/2026 04:53 | J1W | B |
| Total Dissolved Solids | 1880 | | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 17:05 | RAG | B |
| Total Organic Carbon (TOC) | 41.2 | | mg/L | 5.0 | SW846 9060A | 10 | 04/29/2026 00:18 | PAG | E |
| Turbidity | 60 | | NTU | 0.30 | SM2130B-20 | 1 | 04/25/2026 08:36 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/24/2026 00:00 |
| Lab Sample ID | 3456793003 | Lab Receipt | 04/24/2026 11:50 |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | S1 | | | Lib Search VOC | 1 | 05/04/2026 15:16 | TMP | A |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,1,1-Trichloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,1,2,2-Tetrachloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,1,2-Trichloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,1-Dichloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,1-Dichloroethene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,2,3-Trichloropropane | ND | ND,S1 | ug/L | 2.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,2-Dibromo-3-chloropropane | ND | ND,S1 | ug/L | 7.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,2-Dibromoethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,2-Dichlorobenzene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,2-Dichloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,2-Dichloropropane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,3-Dichlorobenzene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 1,4-Dichlorobenzene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 2-Butanone | ND | ND,S1 | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 2-Hexanone | ND | ND,S1 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 3-Chloro-1-propene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,S1 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Acetone | ND | ND,S1 | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Acrylonitrile | ND | ND,S1 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Benzene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Bromochloromethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Bromodichloromethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Bromoform | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Bromomethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Carbon Disulfide | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Carbon Tetrachloride | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Chlorobenzene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Chlorodibromomethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Chloroethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Chloroform | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Chloromethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| cis-1,2-Dichloroethene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| cis-1,3-Dichloropropene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Dibromomethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Dichlorodifluoromethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Ethylbenzene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Iodomethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Methylene Chloride | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Styrene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Tetrachloroethene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Trip Blank | Collected | 04/24/2026 00:00 |
| Lab Sample ID | 3456793003 | Lab Receipt | 04/24/2026 11:50 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Total Xylenes | ND | ND,S1 | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| trans-1,2-Dichloroethene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| trans-1,3-Dichloropropene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| trans-1,4-Dichloro-2-butene | ND | ND,S1 | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Trichloroethene | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Trichlorofluoromethane | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Vinyl Acetate | ND | ND,S1 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |
| Vinyl Chloride | ND | ND,S1 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:16 | TMP | A |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 115% | 62 – 133 | 05/04/2026 15:16 | |
| 4-Bromofluorobenzene | 460-00-4 | 95.8% | 79 – 114 | 05/04/2026 15:16 | |
| Dibromofluoromethane | 1868-53-7 | 98.2% | 78 – 116 | 05/04/2026 15:16 | |
| Toluene-d8 | 2037-26-5 | 100% | 76 – 127 | 05/04/2026 15:16 | |

# Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP008W | Collected | 04/24/2026 10:30 |
| Lab Sample ID | 3456793004 | Lab Receipt | 04/24/2026 11:50 |

## FIELD PARAMETERS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Depth to Water Level | 3.14 | | Feet | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Dissolved Oxygen | 0.65 | | mg/L | 0.01 | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Elev Top MW Casing above MSL | 422.30 | | Feet | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Flow Rate | 0.07 | | gal/min | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Ground Water Elevation | 419.16 | | ft/MSL | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Oxidation-Reduction Potential | -4 | | mV | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| pH, Field (SM4500B) | 6.05 | | pH_Units | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Sample Depth | 22.00 | | Feet | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Specific Conductance, Field | 668 | | umhos/cm | 1 | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Temperature | 13.20 | | Deg. C | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Total Well Depth | 22.80 | | Feet | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Turbidity, Field | 13 | | NTU | 1 | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Volume in Water Column | 3.15 | | Gallons | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Water Level After Purge | 3.97 | | Feet | | Field | 1 | 04/24/2026 10:30 | EMP | D |
| Well Volumes Purged | 0.57 | | Vol | | Field | 1 | 04/24/2026 10:30 | EMP | D |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | | | | Lib Search VOC | 1 | 05/04/2026 16:48 | TMP | H |

## METALS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Antimony, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Arsenic, Dissolved | ND | ND | mg/L | 0.0033 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Arsenic, Total | ND | ND | mg/L | 0.0033 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Barium, Dissolved | 0.095 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Barium, Total | 0.11 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Beryllium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Cadmium, Dissolved | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Cadmium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Calcium, Dissolved | 50.2 | | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Calcium, Total | 47.9 | | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Chromium, Dissolved | 0.0035 | | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Chromium, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Cobalt, Total | 0.022 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Copper, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Copper, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Iron, Dissolved | ND | ND | mg/L | 0.056 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Iron, Total | 17.5 | | mg/L | 0.056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Lead, Dissolved | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Lead, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Magnesium, Dissolved | 26.0 | | mg/L | 1.1 | SW846 6020A | 10 | 05/18/2026 14:48 | KXH | C1 |
| Magnesium, Total | 25.2 | | mg/L | 1.1 | SW846 6020A | 10 | 05/14/2026 16:53 | KXH | K2 |
| Manganese, Dissolved | 12.9 | | mg/L | 0.056 | SW846 6020A | 10 | 05/18/2026 14:48 | KXH | C1 |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP008W | Collected | 04/24/2026 10:30 |
| Lab Sample ID | 3456793004 | Lab Receipt | 04/24/2026 11:50 |

## METALS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Manganese, Total | 13.4 | | mg/L | 0.056 | SW846 6020A | 10 | 05/14/2026 16:53 | KXH | K2 |
| Mercury, Dissolved | ND | ND | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:37 | ZAS | C |
| Mercury, Total | ND | ND | mg/L | 0.00050 | SW846 7470A | 1 | 05/19/2026 18:09 | ZAS | K |
| Nickel, Total | 0.016 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Potassium, Dissolved | 6.9 | | mg/L | 0.11 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Potassium, Total | 7.0 | | mg/L | 0.11 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Selenium, Dissolved | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Selenium, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Silver, Dissolved | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Silver, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Sodium, Dissolved | 31.3 | | mg/L | 1.1 | SW846 6020A | 10 | 05/18/2026 14:48 | KXH | C1 |
| Sodium, Total | 29.7 | | mg/L | 1.1 | SW846 6020A | 10 | 05/14/2026 16:53 | KXH | K2 |
| Thallium, Total | ND | ND | mg/L | 0.0011 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Vanadium, Total | ND | ND | mg/L | 0.0022 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |
| Zinc, Dissolved | 0.017 | | mg/L | 0.0056 | SW846 6020A | 1 | 05/14/2026 10:27 | KXH | C1 |
| Zinc, Total | ND | ND | mg/L | 0.0056 | SW846 6020A | 1 | 05/13/2026 15:02 | KXH | K2 |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,1,1-Trichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,1,2,2-Tetrachloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,1,2-Trichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,1-Dichloroethane | 1.6 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,1-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,2,3-Trichloropropane | ND | ND | ug/L | 2.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,2-Dibromo-3-chloropropane | ND | ND | ug/L | 7.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,2-Dibromoethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,2-Dichlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,2-Dichloroethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,2-Dichloropropane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,3-Dichlorobenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 1,4-Dichlorobenzene | 7.0 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 2-Butanone | ND | ND | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 2-Hexanone | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 3-Chloro-1-propene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Acetone | ND | ND | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Acrylonitrile | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Benzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Bromochloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Bromodichloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Bromoform | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Bromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Carbon Disulfide | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Carbon Tetrachloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP008W | Collected | 04/24/2026 10:30 |
| Lab Sample ID | 3456793004 | Lab Receipt | 04/24/2026 11:50 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | 5.8 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Chlorodibromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Chloroethane | 3.0 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Chloroform | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Chloromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| cis-1,2-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| cis-1,3-Dichloropropene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Dibromomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Dichlorodifluoromethane | 1.0 | | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Ethylbenzene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Iodomethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Methylene Chloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Styrene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Tetrachloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Toluene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Total Xylenes | ND | ND | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| trans-1,2-Dichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| trans-1,3-Dichloropropene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| trans-1,4-Dichloro-2-butene | ND | ND | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Trichloroethene | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Trichlorofluoromethane | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Vinyl Acetate | ND | ND | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |
| Vinyl Chloride | ND | ND | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 16:48 | TMP | H |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 117% | 62 – 133 | 05/04/2026 16:48 | |
| 4-Bromofluorobenzene | 460-00-4 | 93% | 79 – 114 | 05/04/2026 16:48 | |
| Dibromofluoromethane | 1868-53-7 | 98.1% | 78 – 116 | 05/04/2026 16:48 | |
| Toluene-d8 | 2037-26-5 | 98.6% | 76 – 127 | 05/04/2026 16:48 | |

## WET CHEMISTRY

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Bicarbonate | 308 | | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 09:34 | TJH | B |
| Alkalinity, Total | 308 | 1 | mg/L | 5 | SM2320B-21 | 1 | 04/26/2026 09:34 | TJH | B |
| Ammonia-N, Low Level | 3.60 | | mg/L | 0.10 | S4500NH3G-21 | 1 | 04/28/2026 12:50 | AYS | A |
| Chemical Oxygen Demand (COD) | ND | ND | mg/L | 15 | EPA 410.4 | 1 | 04/29/2026 11:36 | KMS | A |
| Chloride | 26.3 | 3,4 | mg/L | 0.50 | EPA 300.0 | 2 | 04/25/2026 05:07 | J1W | B |
| Fluoride | ND | ND | mg/L | 0.20 | EPA 300.0 | 2 | 05/05/2026 10:18 | J1W | B |
| Nitrate-N | ND | ND | mg/L | 0.050 | EPA 300.0 | 2 | 04/25/2026 05:07 | J1W | B |
| pH | 7.84 | 2 | pH_Units | | SM4500HB-21 | 1 | 04/26/2026 09:34 | TJH | B |
| Phenolics | ND | ND | mg/L | 0.004 | SW846 9066 | 1 | 04/29/2026 21:57 | A1L | G |
| Specific Conductance | 678 | | umhos/cm | 5 | SW846 9050A | 1 | 04/27/2026 12:00 | TJH | B |
| Sulfate | 7.3 | 5,6 | mg/L | 0.50 | EPA 300.0 | 2 | 04/25/2026 05:07 | J1W | B |
| Total Dissolved Solids | 376 | | mg/L | 25 | SM2540C-15 | 1 | 04/27/2026 17:05 | RAG | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | CWMP008W | Collected | 04/24/2026 10:30 |
| Lab Sample ID | 3456793004 | Lab Receipt | 04/24/2026 11:50 |

### WET CHEMISTRY (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon (TOC) | 6.1 | | mg/L | 0.50 | SW846 9060A | 1 | 04/29/2026 00:18 | PAG | E |
| Turbidity | 45 | | NTU | 0.30 | SM2130B-20 | 1 | 04/25/2026 08:36 | AOO | B |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/24/2026 11:00 |
| Lab Sample ID | 3456793005 | Lab Receipt | 04/24/2026 11:50 |

## LIBRARY SEARCH - VOLATILES

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| No TIC's Detected | . | S2 | | | Lib Search VOC | 1 | 05/04/2026 15:39 | TMP | A |

## VOLATILE ORGANICS

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,1,1-Trichloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,1,2,2-Tetrachloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,1,2-Trichloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,1-Dichloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,1-Dichloroethene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,2,3-Trichloropropane | ND | ND,S2 | ug/L | 2.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,2-Dibromo-3-chloropropane | ND | ND,S2 | ug/L | 7.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,2-Dibromoethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,2-Dichlorobenzene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,2-Dichloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,2-Dichloropropane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,3-Dichlorobenzene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 1,4-Dichlorobenzene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 2-Butanone | ND | ND,S2 | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 2-Hexanone | ND | ND,S2 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 3-Chloro-1-propene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| 4-Methyl-2-Pentanone(MIBK) | ND | ND,S2 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Acetone | ND | ND,S2 | ug/L | 10.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Acrylonitrile | ND | ND,S2 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Benzene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Bromochloromethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Bromodichloromethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Bromoform | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Bromomethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Carbon Disulfide | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Carbon Tetrachloride | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Chlorobenzene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Chlorodibromomethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Chloroethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Chloroform | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Chloromethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| cis-1,2-Dichloroethene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| cis-1,3-Dichloropropene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Dibromomethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Dichlorodifluoromethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Ethylbenzene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Iodomethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Methylene Chloride | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Styrene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Tetrachloroethene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |

## Results

| | | | |
|---|---|---|---|
| Client Sample ID | Field Blank | Collected | 04/24/2026 11:00 |
| Lab Sample ID | 3456793005 | Lab Receipt | 04/24/2026 11:50 |

## VOLATILE ORGANICS (cont.)

| Compound | Result | Flag | Units | RDL | Method | Dilution | Analysis Date/Time | By | Cntr |
|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Total Xylenes | ND | ND,S2 | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| trans-1,2-Dichloroethene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| trans-1,3-Dichloropropene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| trans-1,4-Dichloro-2-butene | ND | ND,S2 | ug/L | 3.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Trichloroethene | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Trichlorofluoromethane | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Vinyl Acetate | ND | ND,S2 | ug/L | 5.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |
| Vinyl Chloride | ND | ND,S2 | ug/L | 1.0 | SW846 8260B | 1 | 05/04/2026 15:39 | TMP | A |

*SURROGATES*

| Compound | CAS No | Recovery | Limits(%) | Analysis Date/Time | Qualifiers |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 17060-07-0 | 112% | 62 – 133 | 05/04/2026 15:39 | |
| 4-Bromofluorobenzene | 460-00-4 | 94.3% | 79 – 114 | 05/04/2026 15:39 | |
| Dibromofluoromethane | 1868-53-7 | 95.2% | 78 – 116 | 05/04/2026 15:39 | |
| Toluene-d8 | 2037-26-5 | 98.9% | 76 – 127 | 05/04/2026 15:39 | |

## Sample - Method Cross Reference Table

| Lab ID | Sample ID | Analysis Method | Preparation Method | Leachate Method |
|---|---|---|---|---|
| 3456793001 | CWMP010W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456793002 | CWMP009W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |
| 3456793003 | Trip Blank | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| 3456793004 | CWMP008W | Field | N/A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 6020A | SW846 3015A | |
| | | SW846 7470A | SW846 7470A | |
| | | SW846 7470A | SW846 7470A | |
| | | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 300.0 | N/A | |
| | | EPA 410.4 | N/A | |
| | | S4500NH3G-21 | N/A | |
| | | SM2130B-20 | N/A | |
| | | SM2320B-21 | N/A | |
| | | SM2540C-15 | N/A | |
| | | SM4500HB-21 | N/A | |
| | | SW846 9050A | N/A | |
| | | SW846 9060A | N/A | |
| | | SW846 9066 | SW846 9066 | |

| Lab ID | Sample ID | Analysis Method | Preparation Method | Leachate Method |
|---|---|---|---|---|
| 3456793005 | Field Blank | Lib Search VOC | N/A | |
| | | SW846 8260B | N/A | |

# QUALITY CONTROL DATA CROSS REFERENCE TABLE

| Lab ID | Sample ID | Preparation Method | Prep Batch | Prep Date/Time | By | Analysis Method | Anly Batch |
|---|---|---|---|---|---|---|---|
| 3456793001 | CWMP010W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546143 |
| | | N/A | N/A | N/A | | SW846 8260B | 1543384 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1543359 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1542486 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541460 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1541086 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1541008 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541435 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1541008 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541792 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456793002 | CWMP009W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | N/A | N/A | N/A | | SW846 8260B | 1543384 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1543359 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1542486 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1543185 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1541086 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1542533 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541435 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1541008 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541792 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |
| 3456793003 | Trip Blank | N/A | N/A | N/A | | Lib Search VOC | 1546143 |
| | | N/A | N/A | N/A | | SW846 8260B | 1543384 |
| 3456793004 | CWMP008W | N/A | N/A | N/A | | Field | 1541887 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1546180 |
| | | SW846 3015A | 1545916 | 05/12/2026 12:38 | RMH | SW846 6020A | 1545978 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546152 |
| | | SW846 3015A | 1545918 | 05/13/2026 09:46 | RMH | SW846 6020A | 1546331 |
| | | SW846 7470A | 1546544 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547874 |
| | | SW846 7470A | 1546542 | 05/19/2026 14:30 | ZAS | SW846 7470A | 1547873 |
| | | N/A | N/A | N/A | | Lib Search VOC | 1546143 |
| | | N/A | N/A | N/A | | SW846 8260B | 1543384 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1540800 |
| | | N/A | N/A | N/A | | EPA 300.0 | 1543359 |
| | | N/A | N/A | N/A | | EPA 410.4 | 1542486 |
| | | N/A | N/A | N/A | | S4500NH3G-21 | 1541460 |
| | | N/A | N/A | N/A | | SM2130B-20 | 1541086 |
| | | N/A | N/A | N/A | | SM2320B-21 | 1541008 |
| | | N/A | N/A | N/A | | SM2540C-15 | 1541435 |
| | | N/A | N/A | N/A | | SM4500HB-21 | 1541008 |
| | | N/A | N/A | N/A | | SW846 9050A | 1541415 |
| | | N/A | N/A | N/A | | SW846 9060A | 1541792 |
| | | SW846 9066 | 1542193 | 04/28/2026 15:02 | A1L | SW846 9066 | 1542195 |

| Lab ID | Sample ID | Preparation Method | Prep Batch | Prep Date/Time | By | Analysis Method | Anly Batch |
|---|---|---|---|---|---|---|---|
| 3456793005 | Field Blank | N/A | N/A | N/A | | Lib Search VOC | 1546143 |
| | | N/A | N/A | N/A | | SW846 8260B | 1543384 |

301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P. 717-944-5541

# CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER. INSTRUCTIONS ON THE BACK.

3456793
Logged By: T_H
PM: SIW

of

**Client Name:** Lancaster County Solid Waste MA

**Address:** 1299 Harrisburg Pike, Lancaster PA 17604

**Contact:** Dan Brown
**Phone#:** 717-553-5864
**Project Name/#:** Creswell/GWMP Form 19Q
**Bill To:** Lancaster County Solid Waste MA
**Purchase Order #:**
**TAT** [X] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALS approval and surcharges.
**Date Required:** **Approved?**
**Email?** [X] dbrown@lcswma.org

| | Container Type | AG | AN | CG | P | P | | | P | P | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Container Size | 40ml | 125ml | 40ml | 500ml | 250ml | | | 250ml | 125ml | |
| | Preservative | HCL | H2SO4 | UNP | UNP | UNP | | | H2SO4 | HNO3 | |
| | Orthophosphate Filtered? | | Yes | | No | Hexavalent Chromium Filtered? | | | | Yes | No |

**ANALYSIS / METHOD REQUESTED**

| | Sample Description/Location (as it will appear on the lab report) | Date Collected mm/dd/yy | Time hh:mm | SDWA Sample Type (see key) | *G or C | **Matrix (See bottom of COC) | TOC | O-OH | 8260 VOCs - Form 19Q | pH, CL, SpC, F, SO4, NO3, Tb, TDS | Alkalinity, HCO3 | FM | Sample Debth for AUX Data | NH3-N, COD | Total Metals Ca, Fe, Mn, Mg, K, Na | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Enter Number of Containers Per Sample or Field Results Below. | | | | | | | | | |
| 1 | CWMO010W * | 4/24/26 | 08:53 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 2 | CWMP009W | 4/24/26 | 09:44 | | G | GW | 2 | 1 | 3 | 1 | 1 | x | x | 1 | 2 | |
| 3 | TRIP BLANK | 4/23/26 | NA | | | DI | | | 2 | | | | | | | |
| 4 | CWMP008W | 4/24/26 | 10:30 | | G | GW | 2 | 1 | 3 | 1 | 1 | X | X | 1 | 2 | |
| 5 | FIELD BLANK | 4/24/26 | 11:00 | | | DI | | | 2 | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |

*Receipt Information (completed by Receiving Lab)*
Temp Taken By: Therm ID: WO Temp (°C) 6
*Receipt Info completed by:*_____ WV Containers 0-6°C Y N NA

| | | | |
|---|---|---|---|
| Cooler Custody Seals Intact | Y | N | NA |
| Sample Custody Seal Intact | Y | N | NA |
| Received on Ice | Y | N | NA |
| Coolers & Samples Intact | Y | N | |
| Correct Containers Provided | Y | N | |
| Sample Label/COC Agree | Y | N | |
| Adequate Sample Volumes | Y | N | |
| VOA only: Trip Blank | Y | N | NA |

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, llist below:

**Client contact:**
*Date/Tech:*

Sample(s) for Radiation testing? Y N
Reportable SDWA Sample(s)? Y N
SDWA State of Origin?_____
PWSID #__
Rad Screen (uCi)_____
New Source? Y N
New Source Contact:

PWS Contact:_____ PWS Phone #:_____

**SDWA Sample Type Key:** D=Distribution E=Entry Point R=Raw P=Plant C=Check S=Special A=Annual Startup

**Sample/COC Remarks**

Sampling Hours

* Sample ID: CWMP010W DAG 4/24/26

**Contains Short Hold Testing** YES NO

**Internal Use: If less than 48 hours - notify lab upon receipt**

**Circle Sample Collector: ALS Tech / Client**
Name: EP ID:

Comments:

| Date: | Time | Relinquished By / Company Name | | Received By / Company Name | |
|---|---|---|---|---|---|
| 4/24/2026 | 11:50 | 1 ALS EP | | 2 DAG ALS | |
| | | 3 | | 4 | |
| | | 5 | | 6 | |
| | | 7 | | 8 | |
| | | 9 | | 10 | |

**Data Deliverables:** [ ] Standard Lvl 1 [ ] Standard Lvl 2 [ ] Standard Lvl 3 [ ] Standard Lvl 4 [ ] CLP-like [ ] DOD [ ] NJ RED [ ] NJ Full [ ] HSCA [ ] Landfill [ ] NJ GW [ ] _____

**EDDs:** [ ] Excel Summary [ ] Equis [ ] Custom

**Sample Disposal:** Lab [x] Special [ ]

**EDDS:** Format Type

**State Samples Collected In:** [ ] NY [ ] NJ [x] PA [ ] WV [ ] FL [ ] other

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WP=Wipe; WW=Wastewater

**ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A, Middletown, PA 17057**

Rev 07.06.2023

# Middletown Sample Condition Form

Client Lancaster Workorder 3456793

Temp °C 6 Therm ID 649 Ice? (Y) N N/A Initials & Date DAG 4/25/26

Fedex UPS Client (ALS) Other Tracking # _____

| | Yes | No[1] | N/A | Comments |
|---|---|---|---|---|
| Cooler Custody Seals present & intact | | | X | |
| Sample Custody Seals present & intact | | | X | |
| Chain-of-Custody present | X | | | |
| Sample collector name present<br>*If not present, must contact PM/client to request name.* | X | | | |
| COC/bottle labels complete & in agreement | | X | | |
| •Sample location | | X | | UC |
| •Date and time of sample collection | X | | | |
| •Type(s) of preservation | X | | | |
| •Number of containers | X | | | |
| •Composite or grab | X | | | |
| •Matrix | X | | | |
| Proper containers, preservation, and volume per method | X | | | |
| Received within hold time | X | | | |
| Containers intact | X | | | |
| Trip blanks present (EPA 504, EPA 524) | | | X | |
| Field blanks present (Hg 1631, PFAS) | | | X | |
| NJ ≤ 4 Days | | | X | |
| CR6 Samples Filtered | | | X | |
| OP Samples Filtered | | | X | |
| WV Containers 0-6°C | | | X | |
| SDWA compliance reporting | | | X | |

[1] *If No, provide comment*

Rad Screen (uCi) —

PM - PM to contact client
N/A - Not Applicable
UC - Updated coc with missing information

Review Comments:

_____

_____

_____



5/20/2026 2:03 PM