2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
04/14/2026
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 (DD° 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 ° 57 ' 24.53 " — Longitude: 76 ° 26 ' 33.28 "

Depth to Water Level: 8.7 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.50 ft — Elevation of Water Level: 444.7 ft./MSL

Sampling Depth: 33 ft — Volume of Water Column: 40.83 gal

Total Well Depth: 36.5 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): 1/28/2026 — Sample Collection Time: 10:28

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): 3449538001 — Final Lab Analysis CompletionDate: 2/5/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP007W
Sample Date	1/28/2026

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	EPA 350.3
BICARBONATE	13	SM18-2321
CALCIUM, TOTAL	20.3	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	78.7	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	67 ND	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	10.2	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	11	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	12	EPA 300.0
pH-FIELD (SU)	5.41	FIELD
pH-LAB (SU)	6.57	EPA 150.1
POTASSIUM, TOTAL	2.2	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	38.6	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	332	FIELD
SPEC. COND., LAB (umhos/cm)	414	EPA 120.1
SULFATE	23	EPA 300.0
ALKALINITY	13	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	278	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	2.7	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.	CWMP007W
Sample Date	1/28/2026

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 D	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.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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General Reference: Section 273.284
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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 (DD° 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 ° 57 ' 27.43 " — Longitude: 76 ° 26 ' 14.4 "

Depth to Water Level: 28.98 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.23 ft — Elevation of Water Level: 486.15 ft./MSL

Sampling Depth: 57 ft — Volume of Water Column: 54.81 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): 1/28/2026 — Sample Collection Time: 10:54

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): 3449538002 — Final Lab Analysis CompletionDate: 2/5/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP001W
Sample Date	1/28/2026

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	EPA 350.3
BICARBONATE	5	SM18-2321
CALCIUM, TOTAL	15.1	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	28.5	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	650	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	10.2	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	58	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	17.2	EPA 300.0
pH-FIELD (SU)	4.63	FIELD
pH-LAB (SU)	6.49	EPA 150.1
POTASSIUM, TOTAL	2.1	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	13.9	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	214	FIELD
SPEC. COND., LAB (umhos/cm)	261	EPA 120.1
SULFATE	3.5	EPA 300.0
ALKALINITY	5	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	214	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	24	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	1/28/2026

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 D	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.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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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 (DD 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: 12.2 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.53 ft — Elevation of Water Level: 299.77 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: 1.0

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 1/28/2026 — Sample Collection Time: 13:59

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): 3449538003 — Final Lab Analysis CompletionDate: 2/5/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP016W
Sample Date	1/28/2026

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	EPA 350.3
BICARBONATE	8	SM18-2321
CALCIUM, TOTAL	6.3	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	2.6	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	580	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	1.4	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	6.9	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	2.1	EPA 300.0
pH-FIELD (SU)	5.82	FIELD
pH-LAB (SU)	7	EPA 150.1
POTASSIUM, TOTAL	0.58	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	3.8	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	55	FIELD
SPEC. COND., LAB (umhos/cm)	67	EPA 120.1
SULFATE	9.8	EPA 300.0
ALKALINITY	8	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	93	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	10	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	1/28/2026

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 D	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.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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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 (DD° 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 ° 57 ' 2.38 " — Longitude: 76 ° 26 ' 57.92 "

Depth to Water Level: 8.63 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.10 ft — Elevation of Water Level: 352.27 ft./MSL

Sampling Depth: 18 ft — Volume of Water Column: 7.16 gal

Total Well Depth: 19.6 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): 1/29/2026 — Sample Collection Time: 10:18

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): 3449676001 — Final Lab Analysis CompletionDate: 2/5/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP010W
Sample Date	1/29/2026

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	EPA 350.3
BICARBONATE	264	SM18-2321
CALCIUM, TOTAL	68.6	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	394	EPA 300.0
FLUORIDE	0.5 ND	EPA 300.0
IRON, TOTAL (ug/l)	230	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	65.7	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	150	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	20.4	EPA 300.0
pH-FIELD (SU)	7.19	FIELD
pH-LAB (SU)	8.19	EPA 150.1
POTASSIUM, TOTAL	12.3	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	215	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	1794	FIELD
SPEC. COND., LAB (umhos/cm)	2000	EPA 120.1
SULFATE	35.8	EPA 300.0
ALKALINITY	264	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	1000	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	4.5	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	4.3	SM 2130B

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
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I.D. No	100008
Monitoring Point No.	CWMP010W
Sample Date	1/29/2026

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 D	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.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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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 (DD° 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 ° 57 ' 10.82 " — Longitude: 76 ° 26 ' 55.8 "

Depth to Water Level: 9.05 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.70 ft — Elevation of Water Level: 395.15 ft./MSL

Sampling Depth: 16 ft — Volume of Water Column: 6.95 gal

Total Well Depth: 19.7 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): 1/29/2026 — Sample Collection Time: 11:08

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): 3449676002 — Final Lab Analysis CompletionDate: 2/5/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP009W
Sample Date	1/29/2026

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	30.7	EPA 350.3
BICARBONATE	564	SM18-2321
CALCIUM, TOTAL	209	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	110	EPA 410.4
CHLORIDE	791	EPA 300.0
FLUORIDE	0.5 ND	EPA 300.0
IRON, TOTAL (ug/l)	40900	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	95.9	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	14400	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	0.13 ND	EPA 300.0
pH-FIELD (SU)	6.07	FIELD
pH-LAB (SU)	7.48	EPA 150.1
POTASSIUM, TOTAL	35.7	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	252	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	3362	FIELD
SPEC. COND., LAB (umhos/cm)	3530	EPA 120.1
SULFATE	7.5	EPA 300.0
ALKALINITY	564	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	1890	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	38	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	35	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	1/29/2026

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 D	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.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
04/14/2026
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 (DD 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: 3.41 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.80 ft — Elevation of Water Level: 418.89 ft./MSL

Sampling Depth: 22 ft — Volume of Water Column: 3.16 gal

Total Well Depth: 22.8 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): 1/29/2026 — Sample Collection Time: 12:01

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): 3449676003 — Final Lab Analysis CompletionDate: 2/5/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP008W
Sample Date	1/29/2026

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	5.78	EPA 350.3
BICARBONATE	348	SM18-2321
CALCIUM, TOTAL	63.3	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	41.1	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	21600	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	29.4	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	13500	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	0.05 ND	EPA 300.0
pH-FIELD (SU)	6.24	FIELD
pH-LAB (SU)	7.54	EPA 150.1
POTASSIUM, TOTAL	8	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	42.7	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	800	FIELD
SPEC. COND., LAB (umhos/cm)	839	EPA 120.1
SULFATE	6.1	EPA 300.0
ALKALINITY	348	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	470	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	7.3	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	8.9	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	1/29/2026

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 D	1 ND	SW846 8260B
1,1-DICHLOROETHANE	1.7	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.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
04/14/2026
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 (DD° 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 ° 57 ' 11.17 " — Longitude: 76 ° 26 ' 7.08 "

Depth to Water Level: 43.76 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -0.37 ft — Elevation of Water Level: 469.67 ft./MSL

Sampling Depth: 130 ft — Volume of Water Column: 141.34 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): 3/12/2026 — Sample Collection Time: 13:28

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): 3453421001 — Final Lab Analysis CompletionDate: 3/30/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP005W
Sample Date	3/12/2026

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	EPA 350.3
BICARBONATE	19	SM18-2321
CALCIUM, TOTAL	14.7	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	64	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	77	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	7.1	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	38	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	6.2	EPA 300.0
pH-FIELD (SU)	5.36	FIELD
pH-LAB (SU)	7.52	EPA 150.1
POTASSIUM, TOTAL	2.1	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	31	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	303	FIELD
SPEC. COND., LAB (umhos/cm)	283	EPA 120.1
SULFATE	7.1	EPA 300.0
ALKALINITY	19	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	197	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	0.5	SM18-5310B
TOTAL PHENOLICS (ug/l)	5	SW846 9066
TURBIDITY (N.T.U.)	0.45	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.	CWMP005W
Sample Date	3/12/2026

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 D	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.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
04/14/2026
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 (DD° 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 ° 57 ' 20.17 " — Longitude: 76 ° 26 ' 8.37 "

Depth to Water Level: 54.98 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -1.29 ft — Elevation of Water Level: 469.23 ft./MSL

Sampling Depth: 100 ft — Volume of Water Column: 29.40 gal

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

Well Purged: X Yes ___ No — Well Volumes Purged: 1.7

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

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 3/13/2026 — Sample Collection Time: 10:42

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): 3453615001 — Final Lab Analysis CompletionDate: 3/27/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP003W
Sample Date	3/13/2026

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	EPA 350.3
BICARBONATE	23	SM18-2321
CALCIUM, TOTAL	12.3	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	28.6	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	66 ND	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	5.4	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	29	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	3.7	EPA 300.0
pH-FIELD (SU)	5.5	FIELD
pH-LAB (SU)	7.44	EPA 150.1
POTASSIUM, TOTAL	2.5	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	13.1	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	178	FIELD
SPEC. COND., LAB (umhos/cm)	185	EPA 120.1
SULFATE	9.5	EPA 300.0
ALKALINITY	23	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	115	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	1.6	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	1.2	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.	CWMP003W
Sample Date	3/13/2026

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 D	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.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
04/14/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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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 (DD 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: 51.1 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -1.37 ft — Elevation of Water Level: 478.43 ft./MSL

Sampling Depth: 130 ft — Volume of Water Column: 130.56 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): 3/13/2026 — Sample Collection Time: 12:14

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): 3453615002 — Final Lab Analysis CompletionDate: 3/27/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP004W
Sample Date	3/13/2026

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	EPA 350.3
BICARBONATE	18	SM18-2321
CALCIUM, TOTAL	17.7	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	52.5	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	420	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	6	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	5.6 ND	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	5.5	EPA 300.0
pH-FIELD (SU)	5.63	FIELD
pH-LAB (SU)	7.47	EPA 150.1
POTASSIUM, TOTAL	1.4	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	21.3	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	265	FIELD
SPEC. COND., LAB (umhos/cm)	264	EPA 120.1
SULFATE	5.2	EPA 300.0
ALKALINITY	18	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	173	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	0.52	SM18-5310B
TOTAL PHENOLICS (ug/l)	6	SW846 9066
TURBIDITY (N.T.U.)	5.4	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	3/13/2026

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 D	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.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
04/14/2026
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 (DD 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: 44.81 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: -1.19 ft — Elevation of Water Level: 481 ft./MSL

Sampling Depth: 85 ft — Volume of Water Column: 81.05 gal

Total Well Depth: 100 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): 3/13/2026 — Sample Collection Time: 12:36

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): 3453615003 — Final Lab Analysis CompletionDate: 3/27/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP002W
Sample Date	3/13/2026

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	EPA 350.3
BICARBONATE	67	SM18-2321
CALCIUM, TOTAL	41.2	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	87.7	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	93	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	16.6	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	770	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	6.2	EPA 300.0
pH-FIELD (SU)	5.57	FIELD
pH-LAB (SU)	7.75	EPA 150.1
POTASSIUM, TOTAL	3	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	26.5	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	492	FIELD
SPEC. COND., LAB (umhos/cm)	502	EPA 120.1
SULFATE	7.1	EPA 300.0
ALKALINITY	67	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	278	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	2.4	SM18-5310B
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	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.	CWMP002W
Sample Date	3/13/2026

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 D	1 ND	SW846 8260B
1,1-DICHLOROETHANE	4.4	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.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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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 (DD° 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 ° 56 ' 55.11 " — Longitude: 76 ° 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: ___ Pumped ___ Bailed X Grab

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 3/13/2026 — Sample Collection Time: 12:36

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): 3453615004 — Final Lab Analysis CompletionDate: 3/27/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP018S
Sample Date	3/13/2026

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	EPA 350.3
BICARBONATE	264	SM18-2321
CALCIUM, TOTAL	72.2	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	29	EPA 410.4
CHLORIDE	362	EPA 300.0
FLUORIDE	0.5 ND	EPA 300.0
IRON, TOTAL (ug/l)	140	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	67	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	150	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	9.2	EPA 300.0
pH-FIELD (SU)	8.48	FIELD
pH-LAB (SU)	8.66	EPA 150.1
POTASSIUM, TOTAL	18.5	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	230	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	1964	FIELD
SPEC. COND., LAB (umhos/cm)	2000	EPA 120.1
SULFATE	37.8	EPA 300.0
ALKALINITY	309	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	1030	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	8	SM18-5310B
TOTAL PHENOLICS (ug/l)	5	SW846 9066
TURBIDITY (N.T.U.)	2.6	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	3/13/2026

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 D	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.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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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 (DD° 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 ° 57 ' 20.41 " — Longitude: 76 ° 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: ___ Pumped ___ Bailed X Grab

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

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

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 3/13/2026 — Sample Collection Time: 13:12

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): 3453615005 — Final Lab Analysis CompletionDate: 3/27/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP017S
Sample Date	3/13/2026

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	0.13	EPA 350.3
BICARBONATE	669	SM18-2321
CALCIUM, TOTAL	73	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	22	EPA 410.4
CHLORIDE	698	EPA 300.0
FLUORIDE	0.5 ND	EPA 300.0
IRON, TOTAL (ug/l)	320	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	133	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	89	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	11.3	EPA 300.0
pH-FIELD (SU)	8.07	FIELD
pH-LAB (SU)	8.49	EPA 150.1
POTASSIUM, TOTAL	18.1	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	427	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	3228	FIELD
SPEC. COND., LAB (umhos/cm)	3410	EPA 120.1
SULFATE	32	EPA 300.0
ALKALINITY	669	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	1720	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	4.6	SM18-5310B
TOTAL PHENOLICS (ug/l)	5	SW846 9066
TURBIDITY (N.T.U.)	4.3	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.	CWMP017S
Sample Date	3/13/2026

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 D	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.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
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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 (DD 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: ___ Pumped ___ Bailed X Grab

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 3/13/2026 — Sample Collection Time: 14:04

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): 3453615006 — Final Lab Analysis CompletionDate: 3/27/2026

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

Comments:

I.D. No	100008
Monitoring Point No.	CWMP012W
Sample Date	3/13/2026

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	EPA 350.3
BICARBONATE	132	SM18-2321
CALCIUM, TOTAL	31.9	SW846 6010B
CALCIUM, DISSOLVED		SW 8466010B
COD (CHEMICAL OXYGEN DEMAND)	17	EPA 410.4
CHLORIDE	1.5	EPA 300.0
FLUORIDE	0.2 ND	EPA 300.0
IRON, TOTAL (ug/l)	67 ND	SW846 6010B
IRON, DISSOLVED (ug/l)		SW846 6010B
MAGNESIUM, TOTAL	1.5	SW846 6010B
MAGNESIUM, DISSOLVED		SW846 6010B
MANGANESE, TOTAL (ug/l)	5.6 ND	SW846 6010B
MANGANESE, DISSOLVED (ug/l)		SW846 6010B
NITRATE-NITROGEN	1.1	EPA 300.0
pH-FIELD (SU)	8.44	FIELD
pH-LAB (SU)	8.44	EPA 150.1
POTASSIUM, TOTAL	36.6	SW846 6010B
POTASSIUM, DISSOLVED		SW846 6010B
SODIUM, TOTAL	11	SW846 6010B
SODIUM, DISSOLVED		SW846 6010B
SPEC. COND., FIELD (umhos/cm)	299	FIELD
SPEC. COND., LAB (umhos/cm)	305	EPA 120.1
SULFATE	3.7	EPA 300.0
ALKALINITY	140	SM18-2320B
TDS (TOTAL DISSOLVED SOLIDS)	171	SM18-2540C
TOC (TOTAL ORGANIC CARBON)	3.9	SM18-5310B
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.	CWMP012W
Sample Date	3/13/2026

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 D	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.

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 3449538
Report ID 494678 on 2/13/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jan 28, 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
Ashley Gichuki - 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
3449538001	CWMP007W	Ground Water	01/28/2026 10:28	01/28/2026 15:10	EMP	ALS Environmental-Middletown
3449538002	CWMP001W	Ground Water	01/28/2026 10:54	01/28/2026 15:10	EMP	ALS Environmental-Middletown
3449538003	CWMP016W	Ground Water	01/28/2026 13:59	01/28/2026 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

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 QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Nitrate-N. The % Recovery was reported as -68.6 and the control limits were 80 to 120.
3	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Nitrate-N. The % Recovery was reported as -69.9 and the control limits were 80 to 120.
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 QC sample type DUP for method SM2540C-15 was outside the control limits for the analyte Total Dissolved Solids. The RPD was reported as 11.5 and the upper control limit is 5.
6	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 72.3 and the control limits were 80 to 120.

Detected Results Summary

Client Sample ID	CWMP007W	Collected	01/28/2026 10:28
Lab Sample ID	3449538001	Lab Receipt	01/28/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	8.70	Feet		Field	#
Dissolved Oxygen	5.44	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	453.40	Feet		Field	#
Flow Rate	1.56	gal/min		Field	#
Ground Water Elevation	444.70	ft/MSL		Field	#
Oxidation-Reduction Potential	315	mV		Field	#
pH, Field (SM4500B)	5.41	pH_Units		Field	#
Sample Depth	33.00	Feet		Field	#
Specific Conductance, Field	332	umhos/cm	1	Field	#
Temperature	13.33	Deg. C		Field	#
Total Well Depth	36.50	Feet		Field	#
Volume in Water Column	40.87	Gallons		Field	#
Water Level After Purge	9.44	Feet		Field	#
Well Volumes Purged	0.99	Vol		Field	#
METALS					
Calcium, Total	20.3	mg/L	0.11	SW846 6010C	#
Magnesium, Total	10.2	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.011	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.2	mg/L	0.56	SW846 6010C	#
Sodium, Total	38.6	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	13	mg/L	5	SM2320B-2011	#
Alkalinity, Total	13	mg/L	5	SM2320B-2011	#
Chloride	78.7	mg/L	0.50	EPA 300.0	#
Nitrate-N	12.0	mg/L	0.050	EPA 300.0	#
pH	6.57	pH_Units		S4500HB-11	#
Specific Conductance	414	umhos/cm	5	SW846 9050A	#
Sulfate	23.0	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	278	mg/L	25	SM2540C-15	#
Turbidity	2.7	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	CWMP001W	Collected	01/28/2026 10:54
Lab Sample ID	3449538002	Lab Receipt	01/28/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	28.98	Feet		Field	#
Dissolved Oxygen	9.17	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	515.13	Feet		Field	#
Flow Rate	1.71	gal/min		Field	#
Ground Water Elevation	486.15	ft/MSL		Field	#
Oxidation-Reduction Potential	257	mV		Field	#
pH, Field (SM4500B)	4.63	pH_Units		Field	#
Sample Depth	57.00	Feet		Field	#
Specific Conductance, Field	214	umhos/cm	1	Field	#
Temperature	13.29	Deg. C		Field	#
Total Well Depth	66.30	Feet		Field	#
Volume in Water Column	54.86	Gallons		Field	#
Water Level After Purge	50.21	Feet		Field	#
Well Volumes Purged	1.40	Vol		Field	#
METALS					
Calcium, Total	15.1	mg/L	0.11	SW846 6010C	#
Iron, Total	0.65	mg/L	0.067	SW846 6010C	#
Magnesium, Total	10.2	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.058	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	13.9	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	5	mg/L	5	SM2320B-2011	#
Alkalinity, Total	5	mg/L	5	SM2320B-2011	#
Chloride	28.5	mg/L	0.50	EPA 300.0	#
Nitrate-N	17.2	mg/L	0.050	EPA 300.0	#
pH	6.49	pH_Units		S4500HB-11	#
Specific Conductance	261	umhos/cm	5	SW846 9050A	#
Sulfate	3.5	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	214	mg/L	25	SM2540C-15	#
Turbidity	24	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	CWMP016W	Collected	01/28/2026 13:59
Lab Sample ID	3449538003	Lab Receipt	01/28/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	12.20	Feet		Field	#
Dissolved Oxygen	9.14	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	311.97	Feet		Field	#
Flow Rate	2.01	gal/min		Field	#
Ground Water Elevation	299.77	ft/MSL		Field	#
Oxidation-Reduction Potential	298	mV		Field	#
pH, Field (SM4500B)	5.82	pH_Units		Field	#
Sample Depth	71.00	Feet		Field	#
Specific Conductance, Field	55	umhos/cm	1	Field	#
Temperature	12.52	Deg. C		Field	#
Total Well Depth	73.52	Feet		Field	#
Turbidity, Field	5	NTU	1	Field	#
Volume in Water Column	90.14	Gallons		Field	#
Water Level After Purge	20.86	Feet		Field	#
Well Volumes Purged	1.00	Vol		Field	#
METALS					
Calcium, Total	6.3	mg/L	0.11	SW846 6010C	#
Iron, Total	0.58	mg/L	0.067	SW846 6010C	#
Magnesium, Total	1.4	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.0069	mg/L	0.0056	SW846 6010C	#
Potassium, Total	0.58	mg/L	0.56	SW846 6010C	#
Sodium, Total	3.8	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	8	mg/L	5	SM2320B-2011	#
Alkalinity, Total	8	mg/L	5	SM2320B-2011	#
Chloride	2.6	mg/L	0.50	EPA 300.0	#
Nitrate-N	2.1	mg/L	0.050	EPA 300.0	#
pH	7.00	pH_Units		S4500HB-11	#
Specific Conductance	67	umhos/cm	5	SW846 9050A	#
Sulfate	9.8	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	93	mg/L	25	SM2540C-15	#
Turbidity	10	NTU	0.30	SM2130B-2011	#

Results

Client Sample ID	CWMP007W	Collected	01/28/2026 10:28
Lab Sample ID	3449538001	Lab Receipt	01/28/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	8.70		Feet		Field	1	01/28/2026 10:28	EMP	D
Dissolved Oxygen	5.44		mg/L	0.01	Field	1	01/28/2026 10:28	EMP	D
Elev Top MW Casing above MSL	453.40		Feet		Field	1	01/28/2026 10:28	EMP	D
Flow Rate	1.56		gal/min		Field	1	01/28/2026 10:28	EMP	D
Ground Water Elevation	444.70		ft/MSL		Field	1	01/28/2026 10:28	EMP	D
Oxidation-Reduction Potential	315		mV		Field	1	01/28/2026 10:28	EMP	D
pH, Field (SM4500B)	5.41		pH_Units		Field	1	01/28/2026 10:28	EMP	D
Sample Depth	33.00		Feet		Field	1	01/28/2026 10:28	EMP	D
Specific Conductance, Field	332		umhos/cm	1	Field	1	01/28/2026 10:28	EMP	D
Temperature	13.33		Deg. C		Field	1	01/28/2026 10:28	EMP	D
Total Well Depth	36.50		Feet		Field	1	01/28/2026 10:28	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	01/28/2026 10:28	EMP	D
Volume in Water Column	40.87		Gallons		Field	1	01/28/2026 10:28	EMP	D
Water Level After Purge	9.44		Feet		Field	1	01/28/2026 10:28	EMP	D
Well Volumes Purged	0.99		Vol		Field	1	01/28/2026 10:28	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	20.3		mg/L	0.11	SW846 6010C	1	02/03/2026 13:04	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	02/03/2026 13:04	MSY	K1
Magnesium, Total	10.2		mg/L	0.11	SW846 6010C	1	02/03/2026 13:04	MSY	K1
Manganese, Total	0.011		mg/L	0.0056	SW846 6010C	1	02/03/2026 13:04	MSY	K1
Potassium, Total	2.2		mg/L	0.56	SW846 6010C	1	02/03/2026 13:04	MSY	K1
Sodium, Total	38.6		mg/L	0.56	SW846 6010C	1	02/03/2026 13:04	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:27	BMP	H

Results

Client Sample ID	CWMP007W	Collected	01/28/2026 10:28
Lab Sample ID	3449538001	Lab Receipt	01/28/2026 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	99.3%	62 – 133	01/29/2026 16:27	
4-Bromofluorobenzene	460-00-4	98.6%	79 – 114	01/29/2026 16:27	
Dibromofluoromethane	1868-53-7	96.5%	78 – 116	01/29/2026 16:27	
Toluene-d8	2037-26-5	99.2%	76 – 127	01/29/2026 16:27	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	13		mg/L	5	SM2320B-2011	1	01/30/2026 11:25	JXK	B
Alkalinity, Total	13	1	mg/L	5	SM2320B-2011	1	01/30/2026 11:25	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	02/03/2026 12:47	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	02/02/2026 14:47	KMS	A
Chloride	78.7		mg/L	0.50	EPA 300.0	2	01/29/2026 10:01	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	01/29/2026 10:01	J1W	B
Nitrate-N	12.0	2,3	mg/L	0.050	EPA 300.0	2	01/29/2026 10:01	J1W	B
pH	6.57	4	pH_Units		S4500HB-11	1	01/30/2026 11:25	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	02/05/2026 14:51	A1L	G
Specific Conductance	414		umhos/cm	5	SW846 9050A	1	01/29/2026 13:31	TJH	B
Sulfate	23.0		mg/L	0.50	EPA 300.0	2	01/29/2026 10:01	J1W	B
Total Dissolved Solids	278	5	mg/L	25	SM2540C-15	1	01/30/2026 20:00	MMS	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	01/29/2026 18:32	PAG	E
Turbidity	2.7		NTU	0.30	SM2130B-2011	1	01/29/2026 08:24	NPF	B

Results

Client Sample ID	CWMP001W	Collected	01/28/2026 10:54
Lab Sample ID	3449538002	Lab Receipt	01/28/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	28.98		Feet		Field	1	01/28/2026 10:54	EMP	D
Dissolved Oxygen	9.17		mg/L	0.01	Field	1	01/28/2026 10:54	EMP	D
Elev Top MW Casing above MSL	515.13		Feet		Field	1	01/28/2026 10:54	EMP	D
Flow Rate	1.71		gal/min		Field	1	01/28/2026 10:54	EMP	D
Ground Water Elevation	486.15		ft/MSL		Field	1	01/28/2026 10:54	EMP	D
Oxidation-Reduction Potential	257		mV		Field	1	01/28/2026 10:54	EMP	D
pH, Field (SM4500B)	4.63		pH_Units		Field	1	01/28/2026 10:54	EMP	D
Sample Depth	57.00		Feet		Field	1	01/28/2026 10:54	EMP	D
Specific Conductance, Field	214		umhos/cm	1	Field	1	01/28/2026 10:54	EMP	D
Temperature	13.29		Deg. C		Field	1	01/28/2026 10:54	EMP	D
Total Well Depth	66.30		Feet		Field	1	01/28/2026 10:54	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	01/28/2026 10:54	EMP	D
Volume in Water Column	54.86		Gallons		Field	1	01/28/2026 10:54	EMP	D
Water Level After Purge	50.21		Feet		Field	1	01/28/2026 10:54	EMP	D
Well Volumes Purged	1.40		Vol		Field	1	01/28/2026 10:54	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	15.1		mg/L	0.11	SW846 6010C	1	02/03/2026 13:00	MSY	K1
Iron, Total	0.65		mg/L	0.067	SW846 6010C	1	02/03/2026 13:00	MSY	K1
Magnesium, Total	10.2		mg/L	0.11	SW846 6010C	1	02/03/2026 13:00	MSY	K1
Manganese, Total	0.058		mg/L	0.0056	SW846 6010C	1	02/03/2026 13:00	MSY	K1
Potassium, Total	2.1		mg/L	0.56	SW846 6010C	1	02/03/2026 13:00	MSY	K1
Sodium, Total	13.9		mg/L	0.56	SW846 6010C	1	02/03/2026 13:00	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 16:50	BMP	H

Results

Client Sample ID	CWMP001W	Collected	01/28/2026 10:54
Lab Sample ID	3449538002	Lab Receipt	01/28/2026 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	101%	62 – 133	01/29/2026 16:50	
4-Bromofluorobenzene	460-00-4	98.3%	79 – 114	01/29/2026 16:50	
Dibromofluoromethane	1868-53-7	97.6%	78 – 116	01/29/2026 16:50	
Toluene-d8	2037-26-5	99.3%	76 – 127	01/29/2026 16:50	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	5		mg/L	5	SM2320B-2011	1	01/30/2026 11:42	JXK	B
Alkalinity, Total	5	1	mg/L	5	SM2320B-2011	1	01/30/2026 11:42	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	02/03/2026 12:50	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	02/02/2026 14:47	KMS	A
Chloride	28.5		mg/L	0.50	EPA 300.0	2	01/29/2026 13:03	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	01/29/2026 13:03	J1W	B
Nitrate-N	17.2	6	mg/L	0.050	EPA 300.0	2	01/29/2026 13:03	J1W	B
pH	6.49	4	pH_Units		S4500HB-11	1	01/30/2026 11:42	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	02/05/2026 14:54	A1L	G
Specific Conductance	261		umhos/cm	5	SW846 9050A	1	01/29/2026 13:31	TJH	B
Sulfate	3.5		mg/L	0.50	EPA 300.0	2	01/29/2026 13:03	J1W	B
Total Dissolved Solids	214		mg/L	25	SM2540C-15	1	01/30/2026 20:00	MMS	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	01/29/2026 18:32	PAG	E
Turbidity	24		NTU	0.30	SM2130B-2011	1	01/29/2026 08:24	NPF	B

Results

Client Sample ID	CWMP016W	Collected	01/28/2026 13:59
Lab Sample ID	3449538003	Lab Receipt	01/28/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	12.20		Feet		Field	1	01/28/2026 13:58	EMP	D
Dissolved Oxygen	9.14		mg/L	0.01	Field	1	01/28/2026 13:58	EMP	D
Elev Top MW Casing above MSL	311.97		Feet		Field	1	01/28/2026 13:58	EMP	D
Flow Rate	2.01		gal/min		Field	1	01/28/2026 13:58	EMP	D
Ground Water Elevation	299.77		ft/MSL		Field	1	01/28/2026 13:58	EMP	D
Oxidation-Reduction Potential	298		mV		Field	1	01/28/2026 13:58	EMP	D
pH, Field (SM4500B)	5.82		pH_Units		Field	1	01/28/2026 13:58	EMP	D
Sample Depth	71.00		Feet		Field	1	01/28/2026 13:58	EMP	D
Specific Conductance, Field	55		umhos/cm	1	Field	1	01/28/2026 13:58	EMP	D
Temperature	12.52		Deg. C		Field	1	01/28/2026 13:58	EMP	D
Total Well Depth	73.52		Feet		Field	1	01/28/2026 13:58	EMP	D
Turbidity, Field	5		NTU	1	Field	1	01/28/2026 13:58	EMP	D
Volume in Water Column	90.14		Gallons		Field	1	01/28/2026 13:58	EMP	D
Water Level After Purge	20.86		Feet		Field	1	01/28/2026 13:58	EMP	D
Well Volumes Purged	1.00		Vol		Field	1	01/28/2026 13:58	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	6.3		mg/L	0.11	SW846 6010C	1	02/03/2026 12:38	MSY	K1
Iron, Total	0.58		mg/L	0.067	SW846 6010C	1	02/03/2026 12:38	MSY	K1
Magnesium, Total	1.4		mg/L	0.11	SW846 6010C	1	02/03/2026 12:38	MSY	K1
Manganese, Total	0.0069		mg/L	0.0056	SW846 6010C	1	02/03/2026 12:38	MSY	K1
Potassium, Total	0.58		mg/L	0.56	SW846 6010C	1	02/03/2026 12:38	MSY	K1
Sodium, Total	3.8		mg/L	0.56	SW846 6010C	1	02/03/2026 12:38	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/29/2026 17:13	BMP	H

Results

Client Sample ID	CWMP016W	Collected	01/28/2026 13:59
Lab Sample ID	3449538003	Lab Receipt	01/28/2026 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	101%	62 – 133	01/29/2026 17:13	
4-Bromofluorobenzene	460-00-4	97.3%	79 – 114	01/29/2026 17:13	
Dibromofluoromethane	1868-53-7	96.3%	78 – 116	01/29/2026 17:13	
Toluene-d8	2037-26-5	98.3%	76 – 127	01/29/2026 17:13	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	8		mg/L	5	SM2320B-2011	1	01/30/2026 12:04	JXK	B
Alkalinity, Total	8	1	mg/L	5	SM2320B-2011	1	01/30/2026 12:04	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	02/03/2026 12:53	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	02/02/2026 14:47	KMS	A
Chloride	2.6		mg/L	0.50	EPA 300.0	2	01/29/2026 15:51	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	01/29/2026 15:51	J1W	B
Nitrate-N	2.1		mg/L	0.050	EPA 300.0	2	01/29/2026 15:51	J1W	B
pH	7.00	4	pH_Units		S4500HB-11	1	01/30/2026 12:04	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	02/05/2026 14:58	A1L	G
Specific Conductance	67		umhos/cm	5	SW846 9050A	1	01/29/2026 13:31	TJH	B
Sulfate	9.8		mg/L	0.50	EPA 300.0	2	01/29/2026 15:51	J1W	B
Total Dissolved Solids	93		mg/L	25	SM2540C-15	1	01/30/2026 20:00	MMS	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	01/29/2026 18:32	PAG	E
Turbidity	10		NTU	0.30	SM2130B-2011	1	01/29/2026 08:24	NPF	B

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3449538001	CWMP007W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3449538002	CWMP001W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3449538003	CWMP016W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3449538001	CWMP007W	N/A	N/A	N/A		Field	1521168
		SW846 3015A	1504320	02/02/2026 11:00	RMH	SW846 6010C	1504438
		N/A	N/A	N/A		SW846 8260B	1503989
		N/A	N/A	N/A		EPA 300.0	1503912
		N/A	N/A	N/A		EPA 410.4	1504288
		N/A	N/A	N/A		S4500HB-11	1504087
		N/A	N/A	N/A		SM 4500-NH3G	1503947
		N/A	N/A	N/A		SM2130B-2011	1503921
		N/A	N/A	N/A		SM2320B-2011	1504087
		N/A	N/A	N/A		SM2540C-15	1504118
		N/A	N/A	N/A		SW846 9050A	1503937
		N/A	N/A	N/A		SW846 9060A	1503972
		SW846 9066	1504425	02/03/2026 08:08	A1L	SW846 9066	1504428
3449538002	CWMP001W	N/A	N/A	N/A		Field	1521168
		SW846 3015A	1504320	02/02/2026 11:00	RMH	SW846 6010C	1504438
		N/A	N/A	N/A		SW846 8260B	1503989
		N/A	N/A	N/A		EPA 300.0	1503912
		N/A	N/A	N/A		EPA 410.4	1504288
		N/A	N/A	N/A		S4500HB-11	1504087
		N/A	N/A	N/A		SM 4500-NH3G	1503947
		N/A	N/A	N/A		SM2130B-2011	1503921
		N/A	N/A	N/A		SM2320B-2011	1504087
		N/A	N/A	N/A		SM2540C-15	1504118
		N/A	N/A	N/A		SW846 9050A	1503937
		N/A	N/A	N/A		SW846 9060A	1503972
		SW846 9066	1504425	02/03/2026 08:08	A1L	SW846 9066	1504428
3449538003	CWMP016W	N/A	N/A	N/A		Field	1521168
		SW846 3015A	1504320	02/02/2026 11:00	RMH	SW846 6010C	1504438
		N/A	N/A	N/A		SW846 8260B	1503989
		N/A	N/A	N/A		EPA 300.0	1503912
		N/A	N/A	N/A		EPA 410.4	1504288
		N/A	N/A	N/A		S4500HB-11	1504087
		N/A	N/A	N/A		SM 4500-NH3G	1503947
		N/A	N/A	N/A		SM2130B-2011	1503921
		N/A	N/A	N/A		SM2320B-2011	1504087
		N/A	N/A	N/A		SM2540C-15	1504118
		N/A	N/A	N/A		SW846 9050A	1503937
		N/A	N/A	N/A		SW846 9060A	1503972
		SW846 9066	1504425	02/03/2026 08:08	A1L	SW846 9066	1504428

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 #: 3449538
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	CWMP017W	1-28-26	1038		G	GW	2	1	3	1	1	x	x	1	2	
2	CWMP019W	1-28-26	1054		G	GW	2	1	3	1	1	x	x	1	2	
3	CWMP016W	1-28-26	1359		G	GW	2	1	3	1	1	x	x	1	2	
4																
5																
6																
7																
8																
9																
10																

Receipt Info.
Temp Taken By: Therm ID: 392 WO Temp (°C) 2
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 Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N New Source? Y N
SDWA State of Origin?_____ New Source Contact:
PWSID #__
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: Evan P **ID:**

Comments:

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
1-28-26	1510	1 AS	2		Tahoyat 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 CCSWMA Workorder 3499538

Temp °C 2 Therm ID 352 Ice? (Y) N N/A Initials & Date HKh 1-28-26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			A	
Sample Custody Seals present & intact			A	
Chain-of-Custody present	A			
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				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	A			
Trip blanks present (EPA 504, EPA 524)			A	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			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 2025
Workorder 3453615
Report ID 503838 on 3/30/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Mar 13, 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
Ashley Gichuki - 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
3453615001	CWMP003W	Ground Water	03/13/2026 10:42	03/13/2026 15:10	C	
3453615002	CWMP004W	Ground Water	03/13/2026 12:14	03/13/2026 15:10	C	
3453615003	CWMP002W	Ground Water	03/13/2026 12:36	03/13/2026 15:10	C	
3453615004	CWMP018S	Ground Water	03/13/2026 13:00	03/13/2026 15:10	C	
3453615005	CWMP017S	Ground Water	03/13/2026 13:12	03/13/2026 15:10	C	
3453615006	CWMP012W	Ground Water	03/13/2026 14:04	03/13/2026 15:10	C	
3453615007	Field Blank	Ground Water	03/13/2026 08:00	03/13/2026 15:10	C	
3453615008	Trip Blank	Water	03/13/2026 00:00	03/13/2026 15:10	C	

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

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as -152 and the control limits were 80 to 120.
3	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Fluoride. The % Recovery was reported as 31 and the control limits were 80 to 120.
4	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 -210 and the control limits were 80 to 120.
5	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.
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 -28.5 and the control limits were 80 to 120.
7	The QC sample type MS for method SW846 9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 125 and the control limits were 90 to 110.
8	The Method Blank for method SM2320B-21 reported a value greater than the reporting level for the analyte Alkalinity, Total. The concentration was 81.72
9	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 46.8 and the control limits were 80 to 120.
10	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 42 and the control limits were 80 to 120.

Detected Results Summary

Client Sample ID	CWMP003W	Collected	03/13/2026 10:42
Lab Sample ID	3453615001	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	54.98	Feet		Field	#
Dissolved Oxygen	8.10	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	524.21	Feet		Field	#
Ground Water Elevation	469.23	ft/MSL		Field	#
Oxidation-Reduction Potential	289	mV		Field	#
pH, Field (SM4500B)	5.50	pH_Units		Field	#
Sample Depth	100.00	Feet		Field	#
Specific Conductance, Field	178	umhos/cm	1	Field	#
Temperature	13.67	Deg. C		Field	#
Total Well Depth	140.00	Feet		Field	#
Turbidity, Field	2	NTU	1	Field	#
Volume in Water Column	124.98	Gallons		Field	#
Water Level After Purge	82.09	Feet		Field	#
METALS					
Calcium, Total	12.3	mg/L	0.11	SW846 6010C	#
Magnesium, Total	5.4	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.029	mg/L	0.0055	SW846 6010C	#
Potassium, Total	2.5	mg/L	0.55	SW846 6010C	#
Sodium, Total	13.1	mg/L	0.55	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	23	mg/L	5	SM2320B-21	#
Alkalinity, Total	23	mg/L	5	SM2320B-21	#
Chloride	28.6	mg/L	0.50	EPA 300.0	#
Nitrate-N	3.7	mg/L	0.050	EPA 300.0	#
pH	7.44	pH_Units		SM4500HB-21	#
Specific Conductance	185	umhos/cm	5	SW846 9050A	#
Sulfate	9.5	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	115	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.6	mg/L	0.50	SW846 9060A	#
Turbidity	1.2	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	CWMP004W	Collected	03/13/2026 12:14
Lab Sample ID	3453615002	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	51.10	Feet		Field	#
Dissolved Oxygen	7.84	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	529.53	Feet		Field	#
Ground Water Elevation	478.43	ft/MSL		Field	#
Oxidation-Reduction Potential	318	mV		Field	#
pH, Field (SM4500B)	5.63	pH_Units		Field	#
Sample Depth	130.00	Feet		Field	#
Specific Conductance, Field	265	umhos/cm	1	Field	#
Temperature	14.45	Deg. C		Field	#
Total Well Depth	140.00	Feet		Field	#
Turbidity, Field	5	NTU	1	Field	#
Volume in Water Column	130.68	Gallons		Field	#
Water Level After Purge	55.62	Feet		Field	#
METALS					
Calcium, Total	17.7	mg/L	0.11	SW846 6010C	#
Iron, Total	0.42	mg/L	0.067	SW846 6010C	#
Magnesium, Total	6.0	mg/L	0.11	SW846 6010C	#
Potassium, Total	1.4	mg/L	0.56	SW846 6010C	#
Sodium, Total	21.3	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	18	mg/L	5	SM2320B-21	#
Alkalinity, Total	18	mg/L	5	SM2320B-21	#
Chloride	52.5	mg/L	0.50	EPA 300.0	#
Nitrate-N	5.5	mg/L	0.050	EPA 300.0	#
pH	7.47	pH_Units		SM4500HB-21	#
Phenolics	0.006	mg/L	0.004	SW846 9066	#
Specific Conductance	264	umhos/cm	5	SW846 9050A	#
Sulfate	5.2	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	173	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.52	mg/L	0.50	SW846 9060A	#
Turbidity	5.4	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	CWMP002W	Collected	03/13/2026 12:36
Lab Sample ID	3453615003	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	44.81	Feet		Field	#
Dissolved Oxygen	1.34	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	525.81	Feet		Field	#
Ground Water Elevation	481.00	ft/MSL		Field	#
Oxidation-Reduction Potential	139	mV		Field	#
pH, Field (SM4500B)	5.57	pH_Units		Field	#
Sample Depth	85.00	Feet		Field	#
Specific Conductance, Field	492	umhos/cm	1	Field	#
Temperature	13.74	Deg. C		Field	#
Total Well Depth	100.00	Feet		Field	#
Volume in Water Column	81.13	Gallons		Field	#
Water Level After Purge	47.21	Feet		Field	#
METALS					
Calcium, Total	41.2	mg/L	0.11	SW846 6010C	#
Iron, Total	0.093	mg/L	0.066	SW846 6010C	#
Magnesium, Total	16.6	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.77	mg/L	0.0055	SW846 6010C	#
Potassium, Total	3.0	mg/L	0.55	SW846 6010C	#
Sodium, Total	26.5	mg/L	0.55	SW846 6010C	#
VOLATILE ORGANICS					
1,1-Dichloroethane	4.4	ug/L	1.0	SW846 8260B	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	67	mg/L	5	SM2320B-21	#
Alkalinity, Total	67	mg/L	5	SM2320B-21	#
Chloride	87.7	mg/L	0.50	EPA 300.0	#
Nitrate-N	6.1	mg/L	0.050	EPA 300.0	#
pH	7.75	pH_Units		SM4500HB-21	#
Specific Conductance	502	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)	2.4	mg/L	0.50	SW846 9060A	#
Turbidity	1.0	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	CWMP018S	Collected	03/13/2026 13:00
Lab Sample ID	3453615004	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Dissolved Oxygen	12.59	mg/L	0.01	Field	#
Oxidation-Reduction Potential	108	mV		Field	#
pH, Field (SM4500B)	8.48	pH_Units		Field	#
Specific Conductance, Field	1964	umhos/cm	1	Field	#
Temperature	7.96	Deg. C		Field	#
Turbidity, Field	4	NTU	1	Field	#
METALS					
Calcium, Total	72.2	mg/L	0.11	SW846 6010C	#
Iron, Total	0.14	mg/L	0.067	SW846 6010C	#
Magnesium, Total	67.0	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.15	mg/L	0.0056	SW846 6010C	#
Potassium, Total	18.5	mg/L	0.56	SW846 6010C	#
Sodium, Total	230	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	264	mg/L	5	SM2320B-21	#
Alkalinity, Total	309	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.19	mg/L	0.10	S4500NH3G-21	#
Chemical Oxygen Demand (COD)	29	mg/L	15	EPA 410.4	#
Chloride	362	mg/L	1.3	EPA 300.0	#
Nitrate-N	9.2	mg/L	0.13	EPA 300.0	#
pH	8.66	pH_Units		SM4500HB-21	#
Specific Conductance	2000	umhos/cm	5	SW846 9050A	#
Sulfate	37.8	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	1030	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	8.0	mg/L	2.5	SW846 9060A	#
Turbidity	2.6	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	CWMP017S	Collected	03/13/2026 13:12
Lab Sample ID	3453615005	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Dissolved Oxygen	11.16	mg/L	0.01	Field	#
Oxidation-Reduction Potential	124	mV		Field	#
pH, Field (SM4500B)	8.07	pH_Units		Field	#
Specific Conductance, Field	3228	umhos/cm	1	Field	#
Temperature	13.47	Deg. C		Field	#
Turbidity, Field	4	NTU	1	Field	#
METALS					
Calcium, Total	73.0	mg/L	0.11	SW846 6010C	#
Iron, Total	0.32	mg/L	0.067	SW846 6010C	#
Magnesium, Total	133	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.089	mg/L	0.0056	SW846 6010C	#
Potassium, Total	18.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	427	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	669	mg/L	50	SM2320B-21	#
Alkalinity, Total	669	mg/L	50	SM2320B-21	#
Ammonia-N, Low Level	0.13	mg/L	0.10	S4500NH3G-21	#
Chemical Oxygen Demand (COD)	22	mg/L	15	EPA 410.4	#
Chloride	698	mg/L	2.5	EPA 300.0	#
Nitrate-N	11.3	mg/L	0.13	EPA 300.0	#
pH	8.49	pH_Units		SM4500HB-21	#
Phenolics	0.005	mg/L	0.004	SW846 9066	#
Specific Conductance	3410	umhos/cm	5	SW846 9050A	#
Sulfate	32.0	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	1720	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	4.6	mg/L	0.50	SW846 9060A	#
Turbidity	4.3	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	CWMP012W	Collected	03/13/2026 14:04
Lab Sample ID	3453615006	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Dissolved Oxygen	11.03	mg/L	0.01	Field	#
Oxidation-Reduction Potential	89	mV		Field	#
pH, Field (SM4500B)	8.44	pH_Units		Field	#
Specific Conductance, Field	299	umhos/cm	1	Field	#
Temperature	9.27	Deg. C		Field	#
METALS					
Calcium, Total	31.9	mg/L	0.11	SW846 6010C	#
Magnesium, Total	1.5	mg/L	0.11	SW846 6010C	#
Potassium, Total	36.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	11.0	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	132	mg/L	5	SM2320B-21	#
Alkalinity, Total	140	mg/L	5	SM2320B-21	#
Chemical Oxygen Demand (COD)	17	mg/L	15	EPA 410.4	#
Chloride	1.5	mg/L	0.50	EPA 300.0	#
Nitrate-N	1.1	mg/L	0.050	EPA 300.0	#
pH	8.44	pH_Units		SM4500HB-21	#
Specific Conductance	305	umhos/cm	5	SW846 9050A	#
Sulfate	3.7	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	171	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	3.9	mg/L	0.50	SW846 9060A	#
Turbidity	1.3	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	Field Blank	Collected	03/13/2026 08:00
Lab Sample ID	3453615007	Lab Receipt	03/13/2026 15:10

Compound	Result	Units	RDL	Method	Flag
VOLATILE ORGANICS					
Methylene Chloride	1.5	ug/L	1.0	SW846 8260B	#
WET CHEMISTRY					
Chloride	0.50	mg/L	0.50	EPA 300.0	#
pH	5.96	pH_Units		SM4500HB-21	#
Sulfate	2.5	mg/L	0.50	EPA 300.0	#

Results

Client Sample ID	CWMP003W	Collected	03/13/2026 10:42
Lab Sample ID	3453615001	Lab Receipt	03/13/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	54.98		Feet		Field	1	03/13/2026 10:42	EMP	D
Dissolved Oxygen	8.10		mg/L	0.01	Field	1	03/13/2026 10:42	EMP	D
Elev Top MW Casing above MSL	524.21		Feet		Field	1	03/13/2026 10:42	EMP	D
Ground Water Elevation	469.23		ft/MSL		Field	1	03/13/2026 10:42	EMP	D
Oxidation-Reduction Potential	289		mV		Field	1	03/13/2026 10:42	EMP	D
pH, Field (SM4500B)	5.50		pH_Units		Field	1	03/13/2026 10:42	EMP	D
Sample Depth	100.00		Feet		Field	1	03/13/2026 10:42	EMP	D
Specific Conductance, Field	178		umhos/cm	1	Field	1	03/13/2026 10:42	EMP	D
Temperature	13.67		Deg. C		Field	1	03/13/2026 10:42	EMP	D
Total Well Depth	140.00		Feet		Field	1	03/13/2026 10:42	EMP	D
Turbidity, Field	2		NTU	1	Field	1	03/13/2026 10:42	EMP	D
Volume in Water Column	124.98		Gallons		Field	1	03/13/2026 10:42	EMP	D
Water Level After Purge	82.09		Feet		Field	1	03/13/2026 10:42	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	12.3		mg/L	0.11	SW846 6010C	1	03/26/2026 16:10	AAJ	K1
Iron, Total	ND	ND	mg/L	0.066	SW846 6010C	1	03/26/2026 16:10	AAJ	K1
Magnesium, Total	5.4		mg/L	0.11	SW846 6010C	1	03/26/2026 16:10	AAJ	K1
Manganese, Total	0.029		mg/L	0.0055	SW846 6010C	1	03/26/2026 16:10	AAJ	K1
Potassium, Total	2.5		mg/L	0.55	SW846 6010C	1	03/26/2026 16:10	AAJ	K1
Sodium, Total	13.1		mg/L	0.55	SW846 6010C	1	03/26/2026 16:10	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 15:46	CMQ	H

Results

Client Sample ID	CWMP003W	Collected	03/13/2026 10:42
Lab Sample ID	3453615001	Lab Receipt	03/13/2026 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	104%	62 – 133	03/24/2026 15:46	
4-Bromofluorobenzene	460-00-4	95.2%	79 – 114	03/24/2026 15:46	
Dibromofluoromethane	1868-53-7	102%	78 – 116	03/24/2026 15:46	
Toluene-d8	2037-26-5	97.6%	76 – 127	03/24/2026 15:46	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	23		mg/L	5	SM2320B-21	1	03/19/2026 23:30	TJH	B
Alkalinity, Total	23	1	mg/L	5	SM2320B-21	1	03/19/2026 23:30	TJH	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	03/19/2026 10:28	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	28.6	2	mg/L	0.50	EPA 300.0	2	03/14/2026 12:51	CRM	B
Fluoride	ND	ND,3	mg/L	0.20	EPA 300.0	2	03/14/2026 12:51	CRM	B
Nitrate-N	3.7	4	mg/L	0.050	EPA 300.0	2	03/14/2026 12:51	CRM	B
pH	7.44	5	pH_Units		SM4500HB-21	1	03/19/2026 23:30	TJH	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	03/19/2026 18:26	A1L	G
Specific Conductance	185		umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	9.5	6	mg/L	0.50	EPA 300.0	2	03/14/2026 12:51	CRM	B
Total Dissolved Solids	115		mg/L	25	SM2540C-15	1	03/19/2026 15:50	RAG	B
Total Organic Carbon (TOC)	1.6		mg/L	0.50	SW846 9060A	1	03/17/2026 21:20	PAG	E
Turbidity	1.2		NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	CWMP004W	Collected	03/13/2026 12:14
Lab Sample ID	3453615002	Lab Receipt	03/13/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	51.10		Feet		Field	1	03/13/2026 12:13	EMP	D
Dissolved Oxygen	7.84		mg/L	0.01	Field	1	03/13/2026 12:13	EMP	D
Elev Top MW Casing above MSL	529.53		Feet		Field	1	03/13/2026 12:13	EMP	D
Ground Water Elevation	478.43		ft/MSL		Field	1	03/13/2026 12:13	EMP	D
Oxidation-Reduction Potential	318		mV		Field	1	03/13/2026 12:13	EMP	D
pH, Field (SM4500B)	5.63		pH_Units		Field	1	03/13/2026 12:13	EMP	D
Sample Depth	130.00		Feet		Field	1	03/13/2026 12:13	EMP	D
Specific Conductance, Field	265		umhos/cm	1	Field	1	03/13/2026 12:13	EMP	D
Temperature	14.45		Deg. C		Field	1	03/13/2026 12:13	EMP	D
Total Well Depth	140.00		Feet		Field	1	03/13/2026 12:13	EMP	D
Turbidity, Field	5		NTU	1	Field	1	03/13/2026 12:13	EMP	D
Volume in Water Column	130.68		Gallons		Field	1	03/13/2026 12:13	EMP	D
Water Level After Purge	55.62		Feet		Field	1	03/13/2026 12:13	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	17.7		mg/L	0.11	SW846 6010C	1	03/26/2026 16:02	AAJ	K1
Iron, Total	0.42		mg/L	0.067	SW846 6010C	1	03/26/2026 16:02	AAJ	K1
Magnesium, Total	6.0		mg/L	0.11	SW846 6010C	1	03/26/2026 16:02	AAJ	K1
Manganese, Total	ND	ND	mg/L	0.0056	SW846 6010C	1	03/26/2026 16:02	AAJ	K1
Potassium, Total	1.4		mg/L	0.56	SW846 6010C	1	03/26/2026 16:02	AAJ	K1
Sodium, Total	21.3		mg/L	0.56	SW846 6010C	1	03/26/2026 16:02	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:20	PDK	H

Results

Client Sample ID	CWMP004W	Collected	03/13/2026 12:14
Lab Sample ID	3453615002	Lab Receipt	03/13/2026 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	105%	62 – 133	03/25/2026 01:20	
4-Bromofluorobenzene	460-00-4	97.8%	79 – 114	03/25/2026 01:20	
Dibromofluoromethane	1868-53-7	105%	78 – 116	03/25/2026 01:20	
Toluene-d8	2037-26-5	99.8%	76 – 127	03/25/2026 01:20	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	18		mg/L	5	SM2320B-21	1	03/19/2026 23:43	TJH	B
Alkalinity, Total	18	1	mg/L	5	SM2320B-21	1	03/19/2026 23:43	TJH	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	03/19/2026 13:30	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	52.5		mg/L	0.50	EPA 300.0	2	03/14/2026 13:53	CRM	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	03/14/2026 13:53	CRM	B
Nitrate-N	5.5		mg/L	0.050	EPA 300.0	2	03/14/2026 13:53	CRM	B
pH	7.47	5	pH_Units		SM4500HB-21	1	03/19/2026 23:43	TJH	B
Phenolics	0.006	7	mg/L	0.004	SW846 9066	1	03/19/2026 18:30	A1L	G
Specific Conductance	264		umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	5.2		mg/L	0.50	EPA 300.0	2	03/14/2026 13:53	CRM	B
Total Dissolved Solids	173		mg/L	25	SM2540C-15	1	03/19/2026 15:50	RAG	B
Total Organic Carbon (TOC)	0.52		mg/L	0.50	SW846 9060A	1	03/17/2026 21:20	PAG	E
Turbidity	5.4		NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	CWMP002W	Collected	03/13/2026 12:36
Lab Sample ID	3453615003	Lab Receipt	03/13/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	44.81		Feet		Field	1	03/13/2026 12:36	EMP	D
Dissolved Oxygen	1.34		mg/L	0.01	Field	1	03/13/2026 12:36	EMP	D
Elev Top MW Casing above MSL	525.81		Feet		Field	1	03/13/2026 12:36	EMP	D
Ground Water Elevation	481.00		ft/MSL		Field	1	03/13/2026 12:36	EMP	D
Oxidation-Reduction Potential	139		mV		Field	1	03/13/2026 12:36	EMP	D
pH, Field (SM4500B)	5.57		pH_Units		Field	1	03/13/2026 12:36	EMP	D
Sample Depth	85.00		Feet		Field	1	03/13/2026 12:36	EMP	D
Specific Conductance, Field	492		umhos/cm	1	Field	1	03/13/2026 12:36	EMP	D
Temperature	13.74		Deg. C		Field	1	03/13/2026 12:36	EMP	D
Total Well Depth	100.00		Feet		Field	1	03/13/2026 12:36	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	03/13/2026 12:36	EMP	D
Volume in Water Column	81.13		Gallons		Field	1	03/13/2026 12:36	EMP	D
Water Level After Purge	47.21		Feet		Field	1	03/13/2026 12:36	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	41.2		mg/L	0.11	SW846 6010C	1	03/26/2026 16:12	AAJ	K1
Iron, Total	0.093		mg/L	0.066	SW846 6010C	1	03/26/2026 16:12	AAJ	K1
Magnesium, Total	16.6		mg/L	0.11	SW846 6010C	1	03/26/2026 16:12	AAJ	K1
Manganese, Total	0.77		mg/L	0.0055	SW846 6010C	1	03/26/2026 16:12	AAJ	K1
Potassium, Total	3.0		mg/L	0.55	SW846 6010C	1	03/26/2026 16:12	AAJ	K1
Sodium, Total	26.5		mg/L	0.55	SW846 6010C	1	03/26/2026 16:12	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
1,1-Dichloroethane	4.4		ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/25/2026 01:44	PDK	H

Results

Client Sample ID	CWMP002W	Collected	03/13/2026 12:36
Lab Sample ID	3453615003	Lab Receipt	03/13/2026 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	108%	62 – 133	03/25/2026 01:44	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	03/25/2026 01:44	
Dibromofluoromethane	1868-53-7	108%	78 – 116	03/25/2026 01:44	
Toluene-d8	2037-26-5	102%	76 – 127	03/25/2026 01:44	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	67		mg/L	5	SM2320B-21	1	03/19/2026 23:55	TJH	B
Alkalinity, Total	67	1	mg/L	5	SM2320B-21	1	03/19/2026 23:55	TJH	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	03/19/2026 15:30	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	87.7		mg/L	0.50	EPA 300.0	2	03/14/2026 14:05	CRM	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	03/14/2026 14:05	CRM	B
Nitrate-N	6.1		mg/L	0.050	EPA 300.0	2	03/14/2026 14:05	CRM	B
pH	7.75	5	pH_Units		SM4500HB-21	1	03/19/2026 23:55	TJH	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	03/19/2026 18:39	A1L	G
Specific Conductance	502		umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	20.8		mg/L	0.50	EPA 300.0	2	03/14/2026 14:05	CRM	B
Total Dissolved Solids	278		mg/L	25	SM2540C-15	1	03/19/2026 15:50	RAG	B
Total Organic Carbon (TOC)	2.4		mg/L	0.50	SW846 9060A	1	03/17/2026 21:20	PAG	E
Turbidity	1.0		NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	CWMP018S	Collected	03/13/2026 13:00
Lab Sample ID	3453615004	Lab Receipt	03/13/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dissolved Oxygen	12.59		mg/L	0.01	Field	1	03/13/2026 13:00	SM	D
Oxidation-Reduction Potential	108		mV		Field	1	03/13/2026 13:00	SM	D
pH, Field (SM4500B)	8.48		pH_Units		Field	1	03/13/2026 13:00	SM	D
Specific Conductance, Field	1964		umhos/cm	1	Field	1	03/13/2026 13:00	SM	D
Temperature	7.96		Deg. C		Field	1	03/13/2026 13:00	SM	D
Turbidity, Field	4		NTU	1	Field	1	03/13/2026 13:00	SM	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	72.2		mg/L	0.11	SW846 6010C	1	03/26/2026 16:04	AAJ	K1
Iron, Total	0.14		mg/L	0.067	SW846 6010C	1	03/26/2026 16:04	AAJ	K1
Magnesium, Total	67.0		mg/L	0.11	SW846 6010C	1	03/26/2026 16:04	AAJ	K1
Manganese, Total	0.15		mg/L	0.0056	SW846 6010C	1	03/26/2026 16:04	AAJ	K1
Potassium, Total	18.5		mg/L	0.56	SW846 6010C	1	03/26/2026 16:04	AAJ	K1
Sodium, Total	230		mg/L	0.56	SW846 6010C	1	03/26/2026 16:04	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:10	CMQ	H

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	62 – 133	03/24/2026 14:10	
4-Bromofluorobenzene	460-00-4	96.8%	79 – 114	03/24/2026 14:10	
Dibromofluoromethane	1868-53-7	96.8%	78 – 116	03/24/2026 14:10	
Toluene-d8	2037-26-5	99.5%	76 – 127	03/24/2026 14:10	

WET CHEMISTRY

Results

Client Sample ID CWMP018S
Lab Sample ID 3453615004

Collected 03/13/2026 13:00
Lab Receipt 03/13/2026 15:10

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	264		mg/L	5	SM2320B-21	1	03/20/2026 00:11	TJH	B
Alkalinity, Total	309	1	mg/L	5	SM2320B-21	1	03/20/2026 00:11	TJH	B
Ammonia-N, Low Level	0.19		mg/L	0.10	S4500NH3G-21	1	03/19/2026 16:45	AYS	A
Chemical Oxygen Demand (COD)	29		mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	362		mg/L	1.3	EPA 300.0	5	03/14/2026 14:18	CRM	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	03/14/2026 14:18	CRM	B
Nitrate-N	9.2		mg/L	0.13	EPA 300.0	5	03/14/2026 14:18	CRM	B
pH	8.66	5	pH_Units		SM4500HB-21	1	03/20/2026 00:11	TJH	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	03/19/2026 18:43	A1L	G
Specific Conductance	2000		umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	37.8		mg/L	1.3	EPA 300.0	5	03/14/2026 14:18	CRM	B
Total Dissolved Solids	1030		mg/L	25	SM2540C-15	1	03/19/2026 15:50	RAG	B
Total Organic Carbon (TOC)	8.0		mg/L	2.5	SW846 9060A	5	03/17/2026 21:20	PAG	E
Turbidity	2.6		NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	CWMP017S	Collected	03/13/2026 13:12
Lab Sample ID	3453615005	Lab Receipt	03/13/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dissolved Oxygen	11.16		mg/L	0.01	Field	1	03/13/2026 13:12	SM	D
Oxidation-Reduction Potential	124		mV		Field	1	03/13/2026 13:12	SM	D
pH, Field (SM4500B)	8.07		pH_Units		Field	1	03/13/2026 13:12	SM	D
Specific Conductance, Field	3228		umhos/cm	1	Field	1	03/13/2026 13:12	SM	D
Temperature	13.47		Deg. C		Field	1	03/13/2026 13:12	SM	D
Turbidity, Field	4		NTU	1	Field	1	03/13/2026 13:12	SM	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	73.0		mg/L	0.11	SW846 6010C	1	03/26/2026 16:15	AAJ	K1
Iron, Total	0.32		mg/L	0.067	SW846 6010C	1	03/26/2026 16:15	AAJ	K1
Magnesium, Total	133		mg/L	0.11	SW846 6010C	1	03/26/2026 16:15	AAJ	K1
Manganese, Total	0.089		mg/L	0.0056	SW846 6010C	1	03/26/2026 16:15	AAJ	K1
Potassium, Total	18.1		mg/L	0.56	SW846 6010C	1	03/26/2026 16:15	AAJ	K1
Sodium, Total	427		mg/L	0.56	SW846 6010C	1	03/26/2026 16:15	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:33	CMQ	H

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	115%	62 – 133	03/24/2026 14:33	
4-Bromofluorobenzene	460-00-4	105%	79 – 114	03/24/2026 14:33	
Dibromofluoromethane	1868-53-7	104%	78 – 116	03/24/2026 14:33	
Toluene-d8	2037-26-5	107%	76 – 127	03/24/2026 14:33	

WET CHEMISTRY

Results

Client Sample ID CWMP017S
Lab Sample ID 3453615005

Collected 03/13/2026 13:12
Lab Receipt 03/13/2026 15:10

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	669		mg/L	50	SM2320B-21	10	03/23/2026 11:25	TJH	B
Alkalinity, Total	669	1,8	mg/L	50	SM2320B-21	10	03/23/2026 11:25	TJH	B
Ammonia-N, Low Level	0.13		mg/L	0.10	S4500NH3G-21	1	03/19/2026 16:51	AYS	A
Chemical Oxygen Demand (COD)	22		mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	698	9,10	mg/L	2.5	EPA 300.0	10	03/17/2026 17:55	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	03/14/2026 14:30	CRM	B
Nitrate-N	11.3		mg/L	0.13	EPA 300.0	5	03/14/2026 14:30	CRM	B
pH	8.49	5	pH_Units		SM4500HB-21	1	03/20/2026 00:33	TJH	B
Phenolics	0.005		mg/L	0.004	SW846 9066	1	03/19/2026 18:53	A1L	G
Specific Conductance	3410		umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	32.0		mg/L	1.3	EPA 300.0	5	03/14/2026 14:30	CRM	B
Total Dissolved Solids	1720		mg/L	25	SM2540C-15	1	03/20/2026 19:20	RAG	B
Total Organic Carbon (TOC)	4.6		mg/L	0.50	SW846 9060A	1	03/18/2026 21:08	PAG	E
Turbidity	4.3		NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	CWMP012W	Collected	03/13/2026 14:04
Lab Sample ID	3453615006	Lab Receipt	03/13/2026 15:10

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dissolved Oxygen	11.03		mg/L	0.01	Field	1	03/13/2026 14:04	EMP	D
Oxidation-Reduction Potential	89		mV		Field	1	03/13/2026 14:04	EMP	D
pH, Field (SM4500B)	8.44		pH_Units		Field	1	03/13/2026 14:04	EMP	D
Specific Conductance, Field	299		umhos/cm	1	Field	1	03/13/2026 14:04	EMP	D
Temperature	9.27		Deg. C		Field	1	03/13/2026 14:04	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	03/13/2026 14:04	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	31.9		mg/L	0.11	SW846 6010C	1	03/26/2026 15:50	AAJ	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	03/26/2026 15:50	AAJ	K1
Magnesium, Total	1.5		mg/L	0.11	SW846 6010C	1	03/26/2026 15:50	AAJ	K1
Manganese, Total	ND	ND	mg/L	0.0056	SW846 6010C	1	03/26/2026 15:50	AAJ	K1
Potassium, Total	36.6		mg/L	0.56	SW846 6010C	1	03/26/2026 15:50	AAJ	K1
Sodium, Total	11.0		mg/L	0.56	SW846 6010C	1	03/26/2026 15:50	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 14:56	CMQ	H

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	62 – 133	03/24/2026 14:56	
4-Bromofluorobenzene	460-00-4	92.1%	79 – 114	03/24/2026 14:56	
Dibromofluoromethane	1868-53-7	90%	78 – 116	03/24/2026 14:56	
Toluene-d8	2037-26-5	94.9%	76 – 127	03/24/2026 14:56	

WET CHEMISTRY

Results

Client Sample ID	CWMP012W	Collected	03/13/2026 14:04
Lab Sample ID	3453615006	Lab Receipt	03/13/2026 15:10

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	132		mg/L	5	SM2320B-21	1	03/20/2026 00:45	TJH	B
Alkalinity, Total	140	1	mg/L	5	SM2320B-21	1	03/20/2026 00:45	TJH	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	03/19/2026 16:02	AYS	A
Chemical Oxygen Demand (COD)	17		mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	1.5		mg/L	0.50	EPA 300.0	2	03/14/2026 14:43	CRM	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	03/14/2026 14:43	CRM	B
Nitrate-N	1.1		mg/L	0.050	EPA 300.0	2	03/14/2026 14:43	CRM	B
pH	8.44	5	pH_Units		SM4500HB-21	1	03/20/2026 00:45	TJH	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	03/19/2026 18:49	A1L	G
Specific Conductance	305		umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	3.7		mg/L	0.50	EPA 300.0	2	03/14/2026 14:43	CRM	B
Total Dissolved Solids	171		mg/L	25	SM2540C-15	1	03/20/2026 19:20	RAG	B
Total Organic Carbon (TOC)	3.9		mg/L	0.50	SW846 9060A	1	03/18/2026 21:08	PAG	E
Turbidity	1.3		NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	Field Blank	Collected	03/13/2026 08:00
Lab Sample ID	3453615007	Lab Receipt	03/13/2026 15:10

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	ND	ND	mg/L	0.11	SW846 6010C	1	03/26/2026 16:06	AAJ	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	03/26/2026 16:06	AAJ	K1
Magnesium, Total	ND	ND	mg/L	0.11	SW846 6010C	1	03/26/2026 16:06	AAJ	K1
Manganese, Total	ND	ND	mg/L	0.0056	SW846 6010C	1	03/26/2026 16:06	AAJ	K1
Potassium, Total	ND	ND	mg/L	0.56	SW846 6010C	1	03/26/2026 16:06	AAJ	K1
Sodium, Total	ND	ND	mg/L	0.56	SW846 6010C	1	03/26/2026 16:06	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Methylene Chloride	1.5		ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 13:24	CMQ	H

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	03/24/2026 13:24	
4-Bromofluorobenzene	460-00-4	93.6%	79 – 114	03/24/2026 13:24	
Dibromofluoromethane	1868-53-7	94.2%	78 – 116	03/24/2026 13:24	
Toluene-d8	2037-26-5	94.6%	76 – 127	03/24/2026 13:24	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	03/20/2026 00:53	TJH	B
Alkalinity, Total	ND	ND,1	mg/L	5	SM2320B-21	1	03/20/2026 00:53	TJH	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	03/19/2026 12:37	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	03/18/2026 15:23	KMS	A
Chloride	0.50		mg/L	0.50	EPA 300.0	2	03/14/2026 14:55	CRM	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	03/14/2026 14:55	CRM	B
Nitrate-N	ND	ND	mg/L	0.050	EPA 300.0	2	03/14/2026 14:55	CRM	B
pH	5.96	5	pH_Units		SM4500HB-21	1	03/20/2026 00:53	TJH	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	03/19/2026 18:03	A1L	G

Results

Client Sample ID	Field Blank	Collected	03/13/2026 08:00
Lab Sample ID	3453615007	Lab Receipt	03/13/2026 15:10

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Specific Conductance	ND	ND	umhos/cm	5	SW846 9050A	1	03/27/2026 13:22	TJH	B
Sulfate	2.5		mg/L	0.50	EPA 300.0	2	03/14/2026 14:55	CRM	B
Total Dissolved Solids	ND	ND	mg/L	25	SM2540C-15	1	03/20/2026 19:20	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	03/18/2026 21:08	PAG	E
Turbidity	ND	ND	NTU	0.30	SM2130B-20	1	03/14/2026 08:48	AOO	B

Results

Client Sample ID	Trip Blank	Collected	03/13/2026 00:00
Lab Sample ID	3453615008	Lab Receipt	03/13/2026 15:10

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/24/2026 12:39	CMQ	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	62 – 133	03/24/2026 12:39	
4-Bromofluorobenzene	460-00-4	98.9%	79 – 114	03/24/2026 12:39	
Dibromofluoromethane	1868-53-7	97%	78 – 116	03/24/2026 12:39	
Toluene-d8	2037-26-5	98.7%	76 – 127	03/24/2026 12:39	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3453615001	CWMP003W	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	
3453615002	CWMP004W	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	
3453615003	CWMP002W	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	
3453615004	CWMP018S	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3453615005	CWMP017S	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	
3453615006	CWMP012W	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	
3453615007	Field Blank	SW846 6010C	SW846 3015A	
		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	
3453615008	Trip Blank	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
3453615001	CWMP003W	N/A	N/A	N/A		Field	1528317
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529521
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1528642
		N/A	N/A	N/A		SM2540C-15	1528504
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528285
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661
3453615002	CWMP004W	N/A	N/A	N/A		Field	1528317
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529605
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1528642
		N/A	N/A	N/A		SM2540C-15	1528504
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528285
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661
3453615003	CWMP002W	N/A	N/A	N/A		Field	1528317
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529605
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1528642
		N/A	N/A	N/A		SM2540C-15	1528504
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528285
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661
3453615004	CWMP018S	N/A	N/A	N/A		Field	
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529520
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1528642
		N/A	N/A	N/A		SM2540C-15	1528504
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528285
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3453615005	CWMP017S	N/A	N/A	N/A		Field	
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529520
		N/A	N/A	N/A		EPA 300.0	1528188
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1529304
		N/A	N/A	N/A		SM2540C-15	1528743
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528492
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661
3453615006	CWMP012W	N/A	N/A	N/A		Field	1528317
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529520
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1528642
		N/A	N/A	N/A		SM2540C-15	1528743
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528492
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661
3453615007	Field Blank	SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529520
		N/A	N/A	N/A		EPA 300.0	1527700
		N/A	N/A	N/A		EPA 410.4	1528489
		N/A	N/A	N/A		S4500NH3G-21	1528600
		N/A	N/A	N/A		SM2130B-20	1527695
		N/A	N/A	N/A		SM2320B-21	1528642
		N/A	N/A	N/A		SM2540C-15	1528743
		N/A	N/A	N/A		SM4500HB-21	1528642
		N/A	N/A	N/A		SW846 9050A	1529983
		N/A	N/A	N/A		SW846 9060A	1528492
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661
3453615008	Trip Blank	N/A	N/A	N/A		SW846 8260B	1529520

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 # 3453615 Logged By: DXB PM: SIW

ALS Q

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	HCL	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	CWMP003W	3/13/26	10:42		G	GW	2	1	3	1	1	x	x	1	2	
2	CWMP004W	3/13/26	12:14		G	GW	2	1	3	1	1	x	x	1	2	
3	CWMP002W	3/13/26	12:36		G	GW	2	1	3	1	1	x	x	1	2	
4	CWMP018S	3/13/26	13:00		G	GW	2	1	3	1	1	X	X	1	2	
5	CWMP017S	3/13/26	13:12		G	GW	2	1	3	1	1	X	X	1	2	
6	CWMP012W	3/13/26	14:04		G	GW	2	1	3	1	1	X	X	1	2	
7	FIELD BLANK	3/13/26	08:00				2	1	3	1	1			1	2	
8	TRIP BLANK	3/13/26	NA						2							
9																
10																

Temp Taken By: Temp ID: 304 WO Temp (°C) 4

*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 Rad Screen (uCi)_____

Reportable SDWA Sample(s)? Y N New Source? Y N

SDWA State of Origin?_____ New Source Contact:

PWSID #__

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: Evon P **ID:**

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
3-13-26	1510	1	ALS EP	2	Talayah AS
		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 CCSWMA Workorder 3453615

Temp °C 4 Therm ID 569 Ice? (Y) N N/A Initials & Date HCh 3-13-26

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				
•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)			✱	
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:

_____

_____

_____

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 3453421
Report ID 504023 on 3/30/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Mar 12, 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
Ashley Gichuki - 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
3453421001	CWMP005W	Ground Water	03/12/2026 13:28	03/12/2026 15:00	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

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The Method Blank for method SM2320B-21 reported a value greater than the reporting level for the analyte Alkalinity, Total. The concentration was 176.72
3	The QC sample type STDL for method SM2320B-21 was outside the control limits for the analyte Alkalinity, Total. The % Recovery was reported as 141 and the control limits were 90 to 110.
4	The QC sample type STDL for method SM2320B-21 was outside the control limits for the analyte Alkalinity, Total. The % Recovery was reported as 3.44 and the control limits were 90 to 110.
5	The QC sample type STDL for method SM2320B-21 was outside the control limits for the analyte Alkalinity, Total. The % Recovery was reported as 142 and the control limits were 90 to 110.
6	The Method Blank for method SM2320B-21 reported a value greater than the reporting level for the analyte Alkalinity, Total. The concentration was 51.44
7	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.
8	The QC sample type MSD for method SW846 9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 114 and the control limits were 90 to 110.

Detected Results Summary

Client Sample ID	CWMP005W	Collected	03/12/2026 13:28
Lab Sample ID	3453421001	Lab Receipt	03/12/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	43.76	Feet		Field	#
Dissolved Oxygen	6.50	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	513.43	Feet		Field	#
Ground Water Elevation	469.67	ft/MSL		Field	#
Oxidation-Reduction Potential	286	mV		Field	#
pH, Field (SM4500B)	5.36	pH_Units		Field	#
Sample Depth	130.00	Feet		Field	#
Specific Conductance, Field	303	umhos/cm	1	Field	#
Temperature	12.96	Deg. C		Field	#
Total Well Depth	138.92	Feet		Field	#
Volume in Water Column	139.89	Gallons		Field	#
Water Level After Purge	46.37	Feet		Field	#
METALS					
Calcium, Total	14.7	mg/L	0.11	SW846 6010C	#
Iron, Total	0.077	mg/L	0.066	SW846 6010C	#
Magnesium, Total	7.1	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.038	mg/L	0.0055	SW846 6010C	#
Potassium, Total	2.1	mg/L	0.55	SW846 6010C	#
Sodium, Total	31.0	mg/L	0.55	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	19	mg/L	5	SM2320B-21	#
Alkalinity, Total	19	mg/L	5	SM2320B-21	#
Chloride	64.0	mg/L	0.50	EPA 300.0	#
Nitrate-N	6.2	mg/L	0.050	EPA 300.0	#
pH	7.52	pH_Units		SM4500HB-21	#
Phenolics	0.005	mg/L	0.004	SW846 9066	#
Specific Conductance	283	umhos/cm	5	SW846 9050A	#
Sulfate	7.1	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	197	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.50	mg/L	0.50	SW846 9060A	#
Turbidity	0.45	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	CWMP005W	Collected	03/12/2026 13:28
Lab Sample ID	3453421001	Lab Receipt	03/12/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	43.76		Feet		Field	1	03/12/2026 13:28	EMP	D
Dissolved Oxygen	6.50		mg/L	0.01	Field	1	03/12/2026 13:28	EMP	D
Elev Top MW Casing above MSL	513.43		Feet		Field	1	03/12/2026 13:28	EMP	D
Ground Water Elevation	469.67		ft/MSL		Field	1	03/12/2026 13:28	EMP	D
Oxidation-Reduction Potential	286		mV		Field	1	03/12/2026 13:28	EMP	D
pH, Field (SM4500B)	5.36		pH_Units		Field	1	03/12/2026 13:28	EMP	D
Sample Depth	130.00		Feet		Field	1	03/12/2026 13:28	EMP	D
Specific Conductance, Field	303		umhos/cm	1	Field	1	03/12/2026 13:28	EMP	D
Temperature	12.96		Deg. C		Field	1	03/12/2026 13:28	EMP	D
Total Well Depth	138.92		Feet		Field	1	03/12/2026 13:28	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	03/12/2026 13:28	EMP	D
Volume in Water Column	139.89		Gallons		Field	1	03/12/2026 13:28	EMP	D
Water Level After Purge	46.37		Feet		Field	1	03/12/2026 13:28	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	14.7		mg/L	0.11	SW846 6010C	1	03/26/2026 16:08	AAJ	K1
Iron, Total	0.077		mg/L	0.066	SW846 6010C	1	03/26/2026 16:08	AAJ	K1
Magnesium, Total	7.1		mg/L	0.11	SW846 6010C	1	03/26/2026 16:08	AAJ	K1
Manganese, Total	0.038		mg/L	0.0055	SW846 6010C	1	03/26/2026 16:08	AAJ	K1
Potassium, Total	2.1		mg/L	0.55	SW846 6010C	1	03/26/2026 16:08	AAJ	K1
Sodium, Total	31.0		mg/L	0.55	SW846 6010C	1	03/26/2026 16:08	AAJ	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	03/23/2026 18:52	TMP	H

Results

Client Sample ID	CWMP005W	Collected	03/12/2026 13:28
Lab Sample ID	3453421001	Lab Receipt	03/12/2026 15:00

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	102%	62 – 133	03/23/2026 18:52	
4-Bromofluorobenzene	460-00-4	97.6%	79 – 114	03/23/2026 18:52	
Dibromofluoromethane	1868-53-7	95.5%	78 – 116	03/23/2026 18:52	
Toluene-d8	2037-26-5	100%	76 – 127	03/23/2026 18:52	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	19		mg/L	5	SM2320B-21	1	03/18/2026 05:36	TJH	B
Alkalinity, Total	19	1,2,3,4,5,6	mg/L	5	SM2320B-21	1	03/18/2026 05:36	TJH	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	03/23/2026 22:20	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	03/18/2026 11:50	KMS	A
Chloride	64.0		mg/L	0.50	EPA 300.0	2	03/13/2026 13:53	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	03/13/2026 13:53	J1W	B
Nitrate-N	6.2		mg/L	0.050	EPA 300.0	2	03/13/2026 13:53	J1W	B
pH	7.52	7	pH_Units		SM4500HB-21	1	03/18/2026 05:36	TJH	B
Phenolics	0.005	8	mg/L	0.004	SW846 9066	1	03/19/2026 17:36	A1L	G
Specific Conductance	283		umhos/cm	5	SW846 9050A	1	03/30/2026 16:20	TJH	B
Sulfate	7.1		mg/L	0.50	EPA 300.0	2	03/13/2026 13:53	J1W	B
Total Dissolved Solids	197		mg/L	25	SM2540C-15	1	03/17/2026 13:20	RAG	B
Total Organic Carbon (TOC)	0.50		mg/L	0.50	SW846 9060A	1	03/17/2026 21:20	PAG	E
Turbidity	0.45		NTU	0.30	SM2130B-20	1	03/13/2026 08:30	AOO	B

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3453421001	CWMP005W	Field	N/A	
		SW846 6010C	SW846 3015A	
		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	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3453421001	CWMP005W	N/A	N/A	N/A		Field	1528317
		SW846 3015A	1529488	03/24/2026 13:27	RMH	SW846 6010C	1529553
		N/A	N/A	N/A		SW846 8260B	1529335
		N/A	N/A	N/A		EPA 300.0	1527557
		N/A	N/A	N/A		EPA 410.4	1528406
		N/A	N/A	N/A		S4500NH3G-21	1529277
		N/A	N/A	N/A		SM2130B-20	1527560
		N/A	N/A	N/A		SM2320B-21	1528218
		N/A	N/A	N/A		SM2540C-15	1528153
		N/A	N/A	N/A		SM4500HB-21	1528218
		N/A	N/A	N/A		SW846 9050A	1533868
		N/A	N/A	N/A		SW846 9060A	1528285
		SW846 9066	1528660	03/19/2026 09:51	A1L	SW846 9066	1528661

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 #: 3453421
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	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	BWMPOO5W	3-12-26	1328		G	GW	2	1	3	1	1	x	x	1	2	
2					G	GW	2	1	3	1	1	x	x	1	2	
3					G	GW	2	1	3	1	1	x	x	1	2	
4																
5																
6																
7																
8																
9																
10																

Receipt
Temp Taken By:
5693
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, list below:

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N
Rad Screen (uCi)_____
Reportable SDWA Sample(s)? Y N
New Source? Y N
SDWA State of Origin?_____
New Source Contact:
PWSID #__
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
3-12-26	1500	1	ALS EP	2	WPCTS
		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 3453421

Temp °C 3 Therm ID 569 Ice? (Y) N N/A Initials & Date HCh 3-12-26

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				
•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)				
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:

_____

_____

_____

3/30/2026 5:28 PM

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 3449676
Report ID 494696 on 2/13/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jan 29, 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
Ashley Gichuki - 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
3449676001	CWMP010W	Ground Water	01/29/2026 10:18	01/29/2026 15:30	EMP	ALS Environmental-Middletown
3449676002	CWMP009W	Ground Water	01/29/2026 11:08	01/29/2026 15:30	EMP	ALS Environmental-Middletown
3449676003	CWMP008W	Ground Water	01/29/2026 12:01	01/29/2026 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

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 SW846 8260B was outside the control limits for the analyte cis-1,2-Dichloroethene. The % Recovery was reported as 140 and the control limits were 78 to 125.

Detected Results Summary

Client Sample ID	CWMP010W	Collected	01/29/2026 10:18
Lab Sample ID	3449676001	Lab Receipt	01/29/2026 15:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	8.63	Feet		Field	#
Dissolved Oxygen	5.81	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	360.90	Feet		Field	#
Ground Water Elevation	352.27	ft/MSL		Field	#
Oxidation-Reduction Potential	241	mV		Field	#
pH, Field (SM4500B)	7.19	pH_Units		Field	#
Sample Depth	18.00	Feet		Field	#
Specific Conductance, Field	1794	umhos/cm	1	Field	#
Temperature	8.60	Deg. C		Field	#
Total Well Depth	19.60	Feet		Field	#
Turbidity, Field	12	NTU	1	Field	#
Volume in Water Column	7.13	Gallons		Field	#
Water Level After Purge	9.72	Feet		Field	#
METALS					
Calcium, Total	68.6	mg/L	0.11	SW846 6010C	#
Iron, Total	0.23	mg/L	0.067	SW846 6010C	#
Magnesium, Total	65.7	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.15	mg/L	0.0056	SW846 6010C	#
Potassium, Total	12.3	mg/L	0.56	SW846 6010C	#
Sodium, Total	215	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	264	mg/L	5	SM2320B-2011	#
Alkalinity, Total	264	mg/L	5	SM2320B-2011	#
Chloride	394	mg/L	1.3	EPA 300.0	#
Nitrate-N	20.4	mg/L	0.13	EPA 300.0	#
pH	8.19	pH_Units		S4500HB-11	#
Specific Conductance	2000	umhos/cm	5	SW846 9050A	#
Sulfate	35.8	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	1000	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	4.5	mg/L	0.50	SW846 9060A	#
Turbidity	4.3	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	CWMP009W	Collected	01/29/2026 11:08
Lab Sample ID	3449676002	Lab Receipt	01/29/2026 15:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	9.05	Feet		Field	#
Dissolved Oxygen	0.04	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	404.20	Feet		Field	#
Flow Rate	0.94	gal/min		Field	#
Ground Water Elevation	395.15	ft/MSL		Field	#
Oxidation-Reduction Potential	-32	mV		Field	#
pH, Field (SM4500B)	6.07	pH_Units		Field	#
Sample Depth	16.00	Feet		Field	#
Specific Conductance, Field	3362	umhos/cm	1	Field	#
Temperature	11.06	Deg. C		Field	#
Total Well Depth	19.70	Feet		Field	#
Volume in Water Column	6.92	Gallons		Field	#
Water Level After Purge	9.79	Feet		Field	#
Well Volumes Purged	1.63	Vol		Field	#
METALS					
Calcium, Total	209	mg/L	0.11	SW846 6010C	#
Iron, Total	40.9	mg/L	0.067	SW846 6010C	#
Magnesium, Total	95.9	mg/L	0.11	SW846 6010C	#
Manganese, Total	14.4	mg/L	0.0056	SW846 6010C	#
Potassium, Total	35.7	mg/L	0.56	SW846 6010C	#
Sodium, Total	252	mg/L	0.56	SW846 6010C	#
VOLATILE ORGANICS					
1,1-Dichloroethane	1.2	ug/L	1.0	SW846 8260B	#
Benzene	2.3	ug/L	1.0	SW846 8260B	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	564	mg/L	50	SM2320B-2011	#
Alkalinity, Total	564	mg/L	50	SM2320B-2011	#
Ammonia-N, Low Level	30.7	mg/L	2.50	SM 4500-NH3G	#
Chemical Oxygen Demand (COD)	110	mg/L	15	EPA 410.4	#
Chloride	791	mg/L	2.5	EPA 300.0	#
pH	7.48	pH_Units		S4500HB-11	#
Specific Conductance	3530	umhos/cm	5	SW846 9050A	#
Sulfate	7.5	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	1890	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	38.0	mg/L	5.0	SW846 9060A	#
Turbidity	35	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	CWMP008W	Collected	01/29/2026 12:01
Lab Sample ID	3449676003	Lab Receipt	01/29/2026 15:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	3.41	Feet		Field	#
Dissolved Oxygen	0.68	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	422.30	Feet		Field	#
Ground Water Elevation	418.89	ft/MSL		Field	#
Oxidation-Reduction Potential	-14	mV		Field	#
pH, Field (SM4500B)	6.24	pH_Units		Field	#
Sample Depth	22.00	Feet		Field	#
Specific Conductance, Field	800	umhos/cm	1	Field	#
Temperature	10.73	Deg. C		Field	#
Total Well Depth	22.80	Feet		Field	#
Turbidity, Field	7	NTU	1	Field	#
Volume in Water Column	3.10	Gallons		Field	#
Water Level After Purge	4.71	Feet		Field	#
METALS					
Calcium, Total	63.3	mg/L	0.11	SW846 6010C	#
Iron, Total	21.6	mg/L	0.067	SW846 6010C	#
Magnesium, Total	29.4	mg/L	0.11	SW846 6010C	#
Manganese, Total	13.5	mg/L	0.0056	SW846 6010C	#
Potassium, Total	8.0	mg/L	0.56	SW846 6010C	#
Sodium, Total	42.7	mg/L	0.56	SW846 6010C	#
VOLATILE ORGANICS					
1,1-Dichloroethane	1.7	ug/L	1.0	SW846 8260B	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	348	mg/L	5	SM2320B-2011	#
Alkalinity, Total	348	mg/L	5	SM2320B-2011	#
Ammonia-N, Low Level	5.78	mg/L	0.50	SM 4500-NH3G	#
Chloride	41.1	mg/L	0.50	EPA 300.0	#
pH	7.54	pH_Units		S4500HB-11	#
Specific Conductance	839	umhos/cm	5	SW846 9050A	#
Sulfate	6.1	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	470	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	7.3	mg/L	1.0	SW846 9060A	#
Turbidity	8.9	NTU	0.30	SM2130B-2011	#

Results

Client Sample ID	CWMP010W	Collected	01/29/2026 10:18
Lab Sample ID	3449676001	Lab Receipt	01/29/2026 15:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	8.63		Feet		Field	1	01/29/2026 10:18	EMP	D
Dissolved Oxygen	5.81		mg/L	0.01	Field	1	01/29/2026 10:18	EMP	D
Elev Top MW Casing above MSL	360.90		Feet		Field	1	01/29/2026 10:18	EMP	D
Ground Water Elevation	352.27		ft/MSL		Field	1	01/29/2026 10:18	EMP	D
Oxidation-Reduction Potential	241		mV		Field	1	01/29/2026 10:18	EMP	D
pH, Field (SM4500B)	7.19		pH_Units		Field	1	01/29/2026 10:18	EMP	D
Sample Depth	18.00		Feet		Field	1	01/29/2026 10:18	EMP	D
Specific Conductance, Field	1794		umhos/cm	1	Field	1	01/29/2026 10:18	EMP	D
Temperature	8.60		Deg. C		Field	1	01/29/2026 10:18	EMP	D
Total Well Depth	19.60		Feet		Field	1	01/29/2026 10:18	EMP	D
Turbidity, Field	12		NTU	1	Field	1	01/29/2026 10:18	EMP	D
Volume in Water Column	7.13		Gallons		Field	1	01/29/2026 10:18	EMP	D
Water Level After Purge	9.72		Feet		Field	1	01/29/2026 10:18	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	68.6		mg/L	0.11	SW846 6010C	1	02/03/2026 13:06	MSY	K1
Iron, Total	0.23		mg/L	0.067	SW846 6010C	1	02/03/2026 13:06	MSY	K1
Magnesium, Total	65.7		mg/L	0.11	SW846 6010C	1	02/03/2026 13:06	MSY	K1
Manganese, Total	0.15		mg/L	0.0056	SW846 6010C	1	02/03/2026 13:06	MSY	K1
Potassium, Total	12.3		mg/L	0.56	SW846 6010C	1	02/03/2026 13:06	MSY	K1
Sodium, Total	215		mg/L	0.56	SW846 6010C	1	02/03/2026 13:06	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:01	PDK	H

Results

Client Sample ID	CWMP010W	Collected	01/29/2026 10:18
Lab Sample ID	3449676001	Lab Receipt	01/29/2026 15:30

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	102%	62 – 133	01/31/2026 04:01	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	01/31/2026 04:01	
Dibromofluoromethane	1868-53-7	97.9%	78 – 116	01/31/2026 04:01	
Toluene-d8	2037-26-5	101%	76 – 127	01/31/2026 04:01	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	264		mg/L	5	SM2320B-2011	1	01/30/2026 14:46	JXK	B
Alkalinity, Total	264	1	mg/L	5	SM2320B-2011	1	01/30/2026 14:46	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	02/03/2026 15:33	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	02/03/2026 12:00	KMS	A
Chloride	394		mg/L	1.3	EPA 300.0	5	01/30/2026 13:44	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	01/30/2026 13:44	J1W	B
Nitrate-N	20.4		mg/L	0.13	EPA 300.0	5	01/30/2026 13:44	J1W	B
pH	8.19	2	pH_Units		S4500HB-11	1	01/30/2026 14:46	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	02/05/2026 15:01	A1L	G
Specific Conductance	2000		umhos/cm	5	SW846 9050A	1	01/30/2026 14:07	TJH	B
Sulfate	35.8		mg/L	1.3	EPA 300.0	5	01/30/2026 13:44	J1W	B
Total Dissolved Solids	1000		mg/L	25	SM2540C-15	1	01/30/2026 20:00	MMS	B
Total Organic Carbon (TOC)	4.5		mg/L	0.50	SW846 9060A	1	02/02/2026 21:43	PAG	E
Turbidity	4.3		NTU	0.30	SM2130B-2011	1	01/30/2026 08:47	NPF	B

Results

Client Sample ID	CWMP009W	Collected	01/29/2026 11:08
Lab Sample ID	3449676002	Lab Receipt	01/29/2026 15:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	9.05		Feet		Field	1	01/29/2026 11:08	EMP	D
Dissolved Oxygen	0.04		mg/L	0.01	Field	1	01/29/2026 11:08	EMP	D
Elev Top MW Casing above MSL	404.20		Feet		Field	1	01/29/2026 11:08	EMP	D
Flow Rate	0.94		gal/min		Field	1	01/29/2026 11:08	EMP	D
Ground Water Elevation	395.15		ft/MSL		Field	1	01/29/2026 11:08	EMP	D
Oxidation-Reduction Potential	-32		mV		Field	1	01/29/2026 11:08	EMP	D
pH, Field (SM4500B)	6.07		pH_Units		Field	1	01/29/2026 11:08	EMP	D
Sample Depth	16.00		Feet		Field	1	01/29/2026 11:08	EMP	D
Specific Conductance, Field	3362		umhos/cm	1	Field	1	01/29/2026 11:08	EMP	D
Temperature	11.06		Deg. C		Field	1	01/29/2026 11:08	EMP	D
Total Well Depth	19.70		Feet		Field	1	01/29/2026 11:08	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	01/29/2026 11:08	EMP	D
Volume in Water Column	6.92		Gallons		Field	1	01/29/2026 11:08	EMP	D
Water Level After Purge	9.79		Feet		Field	1	01/29/2026 11:08	EMP	D
Well Volumes Purged	1.63		Vol		Field	1	01/29/2026 11:08	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	209		mg/L	0.11	SW846 6010C	1	02/03/2026 13:08	MSY	K
Iron, Total	40.9		mg/L	0.067	SW846 6010C	1	02/03/2026 13:08	MSY	K
Magnesium, Total	95.9		mg/L	0.11	SW846 6010C	1	02/03/2026 13:08	MSY	K
Manganese, Total	14.4		mg/L	0.0056	SW846 6010C	1	02/03/2026 13:08	MSY	K
Potassium, Total	35.7		mg/L	0.56	SW846 6010C	1	02/03/2026 13:08	MSY	K
Sodium, Total	252		mg/L	0.56	SW846 6010C	1	02/03/2026 13:08	MSY	K

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
1,1-Dichloroethane	1.2		ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Benzene	2.3		ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
cis-1,2-Dichloroethene	ND	ND,3	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:24	PDK	H

Results

Client Sample ID	CWMP009W	Collected	01/29/2026 11:08
Lab Sample ID	3449676002	Lab Receipt	01/29/2026 15:30

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	100%	62 – 133	01/31/2026 04:24	
4-Bromofluorobenzene	460-00-4	95.7%	79 – 114	01/31/2026 04:24	
Dibromofluoromethane	1868-53-7	97.1%	78 – 116	01/31/2026 04:24	
Toluene-d8	2037-26-5	99.2%	76 – 127	01/31/2026 04:24	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	564		mg/L	50	SM2320B-2011	10	02/03/2026 11:12	TJH	B
Alkalinity, Total	564	1	mg/L	50	SM2320B-2011	10	02/03/2026 11:12	TJH	B
Ammonia-N, Low Level	30.7		mg/L	2.50	SM 4500-NH3G	25	02/04/2026 14:04	AYS	A
Chemical Oxygen Demand (COD)	110		mg/L	15	EPA 410.4	1	02/03/2026 12:00	KMS	A
Chloride	791		mg/L	2.5	EPA 300.0	10	02/03/2026 13:40	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	01/30/2026 13:57	J1W	B
Nitrate-N	ND	ND	mg/L	0.13	EPA 300.0	5	01/30/2026 13:57	J1W	B
pH	7.48	2	pH_Units		S4500HB-11	1	01/30/2026 14:59	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	02/05/2026 15:05	A1L	G
Specific Conductance	3530		umhos/cm	5	SW846 9050A	1	01/30/2026 14:07	TJH	B
Sulfate	7.5		mg/L	1.3	EPA 300.0	5	01/30/2026 13:57	J1W	B
Total Dissolved Solids	1890		mg/L	25	SM2540C-15	1	01/30/2026 20:00	MMS	B
Total Organic Carbon (TOC)	38.0		mg/L	5.0	SW846 9060A	10	02/02/2026 21:43	PAG	E
Turbidity	35		NTU	0.30	SM2130B-2011	1	01/30/2026 08:47	NPF	B

Results

Client Sample ID	CWMP008W	Collected	01/29/2026 12:01
Lab Sample ID	3449676003	Lab Receipt	01/29/2026 15:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	3.41		Feet		Field	1	01/29/2026 12:01	EMP	D
Dissolved Oxygen	0.68		mg/L	0.01	Field	1	01/29/2026 12:01	EMP	D
Elev Top MW Casing above MSL	422.30		Feet		Field	1	01/29/2026 12:01	EMP	D
Ground Water Elevation	418.89		ft/MSL		Field	1	01/29/2026 12:01	EMP	D
Oxidation-Reduction Potential	-14		mV		Field	1	01/29/2026 12:01	EMP	D
pH, Field (SM4500B)	6.24		pH_Units		Field	1	01/29/2026 12:01	EMP	D
Sample Depth	22.00		Feet		Field	1	01/29/2026 12:01	EMP	D
Specific Conductance, Field	800		umhos/cm	1	Field	1	01/29/2026 12:01	EMP	D
Temperature	10.73		Deg. C		Field	1	01/29/2026 12:01	EMP	D
Total Well Depth	22.80		Feet		Field	1	01/29/2026 12:01	EMP	D
Turbidity, Field	7		NTU	1	Field	1	01/29/2026 12:01	EMP	D
Volume in Water Column	3.10		Gallons		Field	1	01/29/2026 12:01	EMP	D
Water Level After Purge	4.71		Feet		Field	1	01/29/2026 12:01	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	63.3		mg/L	0.11	SW846 6010C	1	02/03/2026 13:02	MSY	K1
Iron, Total	21.6		mg/L	0.067	SW846 6010C	1	02/03/2026 13:02	MSY	K1
Magnesium, Total	29.4		mg/L	0.11	SW846 6010C	1	02/03/2026 13:02	MSY	K1
Manganese, Total	13.5		mg/L	0.0056	SW846 6010C	1	02/03/2026 13:02	MSY	K1
Potassium, Total	8.0		mg/L	0.56	SW846 6010C	1	02/03/2026 13:02	MSY	K1
Sodium, Total	42.7		mg/L	0.56	SW846 6010C	1	02/03/2026 13:02	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
1,1-Dichloroethane	1.7		ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	01/31/2026 04:47	PDK	H

Results

Client Sample ID	CWMP008W	Collected	01/29/2026 12:01
Lab Sample ID	3449676003	Lab Receipt	01/29/2026 15:30

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	100%	62 – 133	01/31/2026 04:47	
4-Bromofluorobenzene	460-00-4	96.9%	79 – 114	01/31/2026 04:47	
Dibromofluoromethane	1868-53-7	96.1%	78 – 116	01/31/2026 04:47	
Toluene-d8	2037-26-5	98.5%	76 – 127	01/31/2026 04:47	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	348		mg/L	5	SM2320B-2011	1	01/30/2026 15:18	JXK	B
Alkalinity, Total	348	1	mg/L	5	SM2320B-2011	1	01/30/2026 15:18	JXK	B
Ammonia-N, Low Level	5.78		mg/L	0.50	SM 4500-NH3G	5	02/04/2026 14:07	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	02/03/2026 12:00	KMS	A
Chloride	41.1		mg/L	0.50	EPA 300.0	2	01/30/2026 14:09	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	01/30/2026 14:09	J1W	B
Nitrate-N	ND	ND	mg/L	0.050	EPA 300.0	2	01/30/2026 14:09	J1W	B
pH	7.54	2	pH_Units		S4500HB-11	1	01/30/2026 15:18	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	02/05/2026 15:22	A1L	G
Specific Conductance	839		umhos/cm	5	SW846 9050A	1	01/30/2026 14:07	TJH	B
Sulfate	6.1		mg/L	0.50	EPA 300.0	2	01/30/2026 14:09	J1W	B
Total Dissolved Solids	470		mg/L	25	SM2540C-15	1	01/30/2026 20:00	MMS	B
Total Organic Carbon (TOC)	7.3		mg/L	1.0	SW846 9060A	2	02/02/2026 21:43	PAG	E
Turbidity	8.9		NTU	0.30	SM2130B-2011	1	01/30/2026 08:47	NPF	B

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3449676001	CWMP010W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3449676002	CWMP009W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3449676003	CWMP008W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3449676001	CWMP010W	N/A	N/A	N/A		Field	1521168
		SW846 3015A	1504320	02/02/2026 11:00	RMH	SW846 6010C	1504438
		N/A	N/A	N/A		SW846 8260B	1504159
		N/A	N/A	N/A		EPA 300.0	1504058
		N/A	N/A	N/A		EPA 410.4	1503970
		N/A	N/A	N/A		S4500HB-11	1504087
		N/A	N/A	N/A		SM 4500-NH3G	1503947
		N/A	N/A	N/A		SM2130B-2011	1504052
		N/A	N/A	N/A		SM2320B-2011	1504087
		N/A	N/A	N/A		SM2540C-15	1504118
		N/A	N/A	N/A		SW846 9050A	1504115
		N/A	N/A	N/A		SW846 9060A	1504346
		SW846 9066	1504425	02/03/2026 08:08	A1L	SW846 9066	1504428
3449676002	CWMP009W	N/A	N/A	N/A		Field	1521168
		SW846 3015A	1504320	02/02/2026 11:00	RMH	SW846 6010C	1504438
		N/A	N/A	N/A		SW846 8260B	1504159
		N/A	N/A	N/A		EPA 300.0	1504058
		N/A	N/A	N/A		EPA 300.0	1504410
		N/A	N/A	N/A		EPA 410.4	1503970
		N/A	N/A	N/A		S4500HB-11	1504087
		N/A	N/A	N/A		SM 4500-NH3G	1504464
		N/A	N/A	N/A		SM2130B-2011	1504052
		N/A	N/A	N/A		SM2320B-2011	1504444
		N/A	N/A	N/A		SM2540C-15	1504118
		N/A	N/A	N/A		SW846 9050A	1504115
		N/A	N/A	N/A		SW846 9060A	1504346
		SW846 9066	1504425	02/03/2026 08:08	A1L	SW846 9066	1504428
3449676003	CWMP008W	N/A	N/A	N/A		Field	1521168
		SW846 3015A	1504320	02/02/2026 11:00	RMH	SW846 6010C	1504438
		N/A	N/A	N/A		SW846 8260B	1504159
		N/A	N/A	N/A		EPA 300.0	1504058
		N/A	N/A	N/A		EPA 410.4	1503970
		N/A	N/A	N/A		S4500HB-11	1504087
		N/A	N/A	N/A		SM 4500-NH3G	1504464
		N/A	N/A	N/A		SM2130B-2011	1504052
		N/A	N/A	N/A		SM2320B-2011	1504087
		N/A	N/A	N/A		SM2540C-15	1504118
		N/A	N/A	N/A		SW846 9050A	1504115
		N/A	N/A	N/A		SW846 9060A	1504346
		SW846 9066	1504425	02/03/2026 08:08	A1L	SW846 9066	1504428

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 #: 3449676
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	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	CWMP010W	1-29-26	0738	EP	G	GW	2	1	3	1	1	x	x	1	2	
2	CWMP009W	1-29-26	1108		G	GW	2	1	3	1	1	x	x	1	2	
3	CWMP008W	1-29-26	1201		G	GW	2	1	3	1	1	x	x	1	2	
4																
5																
6																
7																
8																
9																
10																

Circle Sample Collector: ALS Tech / Client
Name: Evan P ID:

Comments:

Date:	Time	Relinquished By / Company Name	Received By / Company Name
1-29-26	1530	1 AIS EP	2 Tallyn ALS
		3	4
		5	6
		7	8
		9	10

Receipt Informa
Temp Taken By: Temp (°C)
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, list below:

Client contact:
Date/Tech:

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

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 3949676

Temp °C 0 Therm ID 352 Ice? (Y) N N/A Initials & Date tkh 1-29-26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			A	
Sample Custody Seals present & intact			A	
Chain-of-Custody present	A			
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				
•Number of containers				
•Composite or grab				
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	A			
Trip blanks present (EPA 504, EPA 524)			A	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			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:

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