2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

All information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, 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: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: LCSWMA

Address: 3044 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 30.58 " Longitude: 76 ° 26 ' 11.25 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/05/2026 Sample Collection Time: 12:30 PM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/21/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.18	SM4500D
BICARBONATE ALKALINITY	15	SM20-2321
CALCIUM, TOTAL	16.4	EPA 200.7
CALCIUM, DISSOLVED	16.4	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	18.8	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	9.8	EPA 200.7
MAGNESIUM, DISSOLVED	9.9	EPA 200.7
MANGANESE, TOTAL (ug/l)	6.5	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	6.7	EPA 200.7
NITRATE-NITROGEN	17.1	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.62	FIELD
pH-LAB (SU)	6.04	SM4500B
POTASSIUM, TOTAL	2	EPA 200.7
POTASSIUM, DISSOLVED	2.1	EPA 200.7
SODIUM, TOTAL	9	EPA 200.7
SODIUM, DISSOLVED	9	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	259	FIELD
SPEC. COND., LAB (umhos/cm)	246	EPA 120.1
SULFATE	0.76	EPA 300
ALKALINITY	15	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	208	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	1	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
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Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: MILLER

Address: 3052 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 29.85 " Longitude: 76 ° 26 ' 11.45 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/05/2026 Sample Collection Time: 12:50 PM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/17/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS MILLER

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	6	SM20-2321
CALCIUM, TOTAL	13.3	EPA 200.7
CALCIUM, DISSOLVED	13.1	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	19.4	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	9.6	EPA 200.7
MAGNESIUM, DISSOLVED	9.3	EPA 200.7
MANGANESE, TOTAL (ug/l)	41	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	39	EPA 200.7
NITRATE-NITROGEN	15.9	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS MILLER

Sample Date: 08/05/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.18	FIELD
pH-LAB (SU)	5.58	SM4500B
POTASSIUM, TOTAL	2	EPA 200.7
POTASSIUM, DISSOLVED	1.9	EPA 200.7
SODIUM, TOTAL	7.7	EPA 200.7
SODIUM, DISSOLVED	7.5	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	224	FIELD
SPEC. COND., LAB (umhos/cm)	221	EPA 120.1
SULFATE	1.8	EPA 300
ALKALINITY	6	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	198	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	0.65	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS MILLER

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: LCSWMA

Address: 3056 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 28.44 " Longitude: 76 ° 26 ' 10.43 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/05/2026 Sample Collection Time: 1:10 PM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/17/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	5	SM20-2321
CALCIUM, TOTAL	10.8	EPA 200.7
CALCIUM, DISSOLVED	10.8	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	23.6	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	10.6	EPA 200.7
MAGNESIUM, DISSOLVED	10.6	EPA 200.7
MANGANESE, TOTAL (ug/l)	59	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	58	EPA 200.7
NITRATE-NITROGEN	15.1	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.25	FIELD
pH-LAB (SU)	5.65	SM4500B
POTASSIUM, TOTAL	2	EPA 200.7
POTASSIUM, DISSOLVED	2	EPA 200.7
SODIUM, TOTAL	8.3	EPA 200.7
SODIUM, DISSOLVED	8.4	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	232	FIELD
SPEC. COND., LAB (umhos/cm)	227	EPA 120.1
SULFATE	0.5 ND	EPA 300
ALKALINITY	5	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	150	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	1	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: LCSWMA

Address: 3060 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 27.63 " Longitude: 76 ° 26 ' 10.01 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/05/2026 Sample Collection Time: 1:45 PM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/17/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	5 ND	SM20-2321
CALCIUM, TOTAL	9.8	EPA 200.7
CALCIUM, DISSOLVED	9.9	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	17.5	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	9.9	EPA 200.7
MAGNESIUM, DISSOLVED	10.2	EPA 200.7
MANGANESE, TOTAL (ug/l)	94	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	96	EPA 200.7
NITRATE-NITROGEN	15.3	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.13	FIELD
pH-LAB (SU)	5.34	SM4500B
POTASSIUM, TOTAL	2.4	EPA 200.7
POTASSIUM, DISSOLVED	2.5	EPA 200.7
SODIUM, TOTAL	8.4	EPA 200.7
SODIUM, DISSOLVED	8.6	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	222	FIELD
SPEC. COND., LAB (umhos/cm)	241	EPA 120.1
SULFATE	8.3	EPA 300
ALKALINITY	5 ND	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	158	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	0.45	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
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FORM 52
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PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: SENSENICH

Address: 3076 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 28.2 " Longitude: 76 ° 26 ' 11.1 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/05/2026 Sample Collection Time: 2:00 PM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/21/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS SENSENICH

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.16	SM4500D
BICARBONATE ALKALINITY	7	SM20-2321
CALCIUM, TOTAL	13.1	EPA 200.7
CALCIUM, DISSOLVED	12.9	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	57.9	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	8.1	EPA 200.7
MAGNESIUM, DISSOLVED	8	EPA 200.7
MANGANESE, TOTAL (ug/l)	110	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	110	EPA 200.7
NITRATE-NITROGEN	8.2	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS SENSENICH

Sample Date: 08/05/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.23	FIELD
pH-LAB (SU)	5.6	SM4500B
POTASSIUM, TOTAL	3	EPA 200.7
POTASSIUM, DISSOLVED	2.9	EPA 200.7
SODIUM, TOTAL	25.1	EPA 200.7
SODIUM, DISSOLVED	25.1	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	293	FIELD
SPEC. COND., LAB (umhos/cm)	301	EPA 120.1
SULFATE	9.9	EPA 300
ALKALINITY	7	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	211	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	0.75	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS SENSENICH

Sample Date: 08/05/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

All information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, 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: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: LCSWMA

Address: 3079 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 21.99 " Longitude: 76 ° 26 ' 10.58 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/07/2026 Sample Collection Time: 9:15 AM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/25/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/07/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	18	SM20-2321
CALCIUM, TOTAL	10.9	EPA 200.7
CALCIUM, DISSOLVED	11.6	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	36.5	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	5.6	EPA 200.7
MAGNESIUM, DISSOLVED	6.1	EPA 200.7
MANGANESE, TOTAL (ug/l)	20	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	20	EPA 200.7
NITRATE-NITROGEN	2.8	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/07/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.24	EPA 300
pH-FIELD (SU)	5.64	FIELD
pH-LAB (SU)	5.84	SM4500B
POTASSIUM, TOTAL	1.7	EPA 200.7
POTASSIUM, DISSOLVED	2.1	EPA 200.7
SODIUM, TOTAL	12.8	EPA 200.7
SODIUM, DISSOLVED	14.3	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	162	FIELD
SPEC. COND., LAB (umhos/cm)	191	EPA 120.1
SULFATE	6.4	EPA 300
ALKALINITY	18	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	136	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	0.95	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS LCSWMA

Sample Date: 08/07/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: WEBER

Address: 3088 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 21 " Longitude: 76 ° 26 ' 7.1 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/06/2026 Sample Collection Time: 8:30 AM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/20/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS WEBER

Sample Date: 08/06/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	5 ND	SM20-2321
CALCIUM, TOTAL	0.15	EPA 200.7
CALCIUM, DISSOLVED	0.14	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	72.3	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	0.05 ND	EPA 200.7
MAGNESIUM, DISSOLVED	0.1 ND	EPA 200.7
MANGANESE, TOTAL (ug/l)	2.5 ND	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	5 ND	EPA 200.7
NITRATE-NITROGEN	2.8	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS WEBER

Sample Date: 08/06/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	7.71	FIELD
pH-LAB (SU)	7.34	SM4500B
POTASSIUM, TOTAL	2.7	EPA 200.7
POTASSIUM, DISSOLVED	3	EPA 200.7
SODIUM, TOTAL	205	EPA 200.7
SODIUM, DISSOLVED	199	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	837	FIELD
SPEC. COND., LAB (umhos/cm)	982	EPA 120.1
SULFATE	0.5 ND	EPA 300
ALKALINITY	200	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	542	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	1.3	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS WEBER

Sample Date: 08/06/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: KIRCHNER

Address: 3100 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 17.9 " Longitude: 76 ° 26 ' 6.28 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/04/2026 Sample Collection Time: 1:30 PM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/13/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS KIRCHNER

Sample Date: 08/04/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	12	SM20-2321
CALCIUM, TOTAL	13	EPA 200.7
CALCIUM, DISSOLVED	12.7	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	48.1	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	7.2	EPA 200.7
MAGNESIUM, DISSOLVED	6.8	EPA 200.7
MANGANESE, TOTAL (ug/l)	12	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	12	EPA 200.7
NITRATE-NITROGEN	5.4	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS KIRCHNER

Sample Date: 08/04/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.62	FIELD
pH-LAB (SU)	6.29	SM4500B
POTASSIUM, TOTAL	1.6	EPA 200.7
POTASSIUM, DISSOLVED	1.6	EPA 200.7
SODIUM, TOTAL	19.1	EPA 200.7
SODIUM, DISSOLVED	18.9	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	201	FIELD
SPEC. COND., LAB (umhos/cm)	249	EPA 120.1
SULFATE	4.5	EPA 300
ALKALINITY	12	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	170	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	0.4	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS KIRCHNER

Sample Date: 08/04/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

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General Reference: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: FRY

Address: 3106 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 17.27 " Longitude: 76 ° 26 ' 5.6 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/06/2026 Sample Collection Time: 8:50 AM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/20/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS FRY

Sample Date: 08/06/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	5 ND	SM20-2321
CALCIUM, TOTAL	21.1	EPA 200.7
CALCIUM, DISSOLVED	20.9	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	110	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	13.6	EPA 200.7
MAGNESIUM, DISSOLVED	13.4	EPA 200.7
MANGANESE, TOTAL (ug/l)	33	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	34	EPA 200.7
NITRATE-NITROGEN	8.1	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS FRY

Sample Date: 08/06/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	5.56	FIELD
pH-LAB (SU)	6.24	SM4500B
POTASSIUM, TOTAL	1.9	EPA 200.7
POTASSIUM, DISSOLVED	1.9	EPA 200.7
SODIUM, TOTAL	42.9	EPA 200.7
SODIUM, DISSOLVED	42.1	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	451	FIELD
SPEC. COND., LAB (umhos/cm)	503	EPA 120.1
SULFATE	5.8	EPA 300
ALKALINITY	15	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	298	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.55	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	0.3 ND	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS FRY

Sample Date: 08/06/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0060 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/16/2026
DEP USE ONLY
Date Received

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

All information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 52, 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: Act 101 Section 1103

SECTION A. SITE IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Manage

Site Name: Frey Farm Landfill

Facility ID (as issued by DEP): 101389

SECTION B. PRIVATE WATER SUPPLY INFORMATION

INDICATE THE LATITUDE AND LONGITUDE TO THE NEAREST ONE TENTH OF A SECOND (DD° MM' SS.S")

Facility Name: Frey Farm Landfill

County: Lancaster County

Township or Municipality: MANOR TOWNSHIP

Landowner Name: BECK

Address: 3125 RIVER ROAD

Phone No.:

Sampling Point: Latitude: 39 ° 57 ' 11.6 " Longitude: 76 ° 26 ' 5.4 "

Depth to Water Level: ft. Measured from: [X] Land Surface [ ] TOC

Casing Stick Up: ft. Elevation of Water Level: ft./MSL

Total Well Depth: ft.

Sampling Depth: ft. Sampling Method: [ ] Pumped [ ] Bailed

Well Purged: [ ] Yes [X] No Well Volumes Purged:

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

Sample Date:(mm/dd/yy) 08/06/2026 Sample Collection Time: 9:10 AM

Laboratory(ies) Performing Analysis (include address and phone number): ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057 (717) 944-5541

Lab Accreditation Number(s): 22-293

Lab Analysis Date: 08/20/2026

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

Comments:

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS BECK

Sample Date: 08/06/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	SM4500D
BICARBONATE ALKALINITY	5 ND	SM20-2321
CALCIUM, TOTAL	0.051	EPA 200.7
CALCIUM, DISSOLVED	0.1 ND	EPA 200.7
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.2
CHLORIDE	73.3	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	30 ND	EPA 200.7
IRON, DISSOLVED (ug/l)	60 ND	EPA 200.7
MAGNESIUM, TOTAL	0.05 ND	EPA 200.7
MAGNESIUM, DISSOLVED	0.1 ND	EPA 200.7
MANGANESE, TOTAL (ug/l)	2.5 ND	EPA 200.7
MANGANESE, DISSOLVED (ug/l)	5 ND	EPA 200.7
NITRATE-NITROGEN	4.8	EPA 300

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS BECK

Sample Date: 08/06/2026

1. Inorganics, continued (Enter all data in mg/l except as noted)

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
NITRITE - NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	6.65	FIELD
pH-LAB (SU)	7.11	SM4500B
POTASSIUM, TOTAL	0.46	EPA 200.7
POTASSIUM, DISSOLVED	0.77	EPA 200.7
SODIUM, TOTAL	99.3	EPA 200.7
SODIUM, DISSOLVED	99.3	EPA 200.7
SPEC. COND., FIELD (umhos/cm)	443	FIELD
SPEC. COND., LAB (umhos/cm)	986	EPA 120.1
SULFATE	8.4	EPA 300
ALKALINITY	92	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	250	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SM20-5310B
TOTAL PHENOLICS (ug/l)	5 ND	EPA 420.4
TURBIDITY (NTU)	1.4	SM 2130B

T Please indicate detection limit if analyte is not detected.

FORM 52
MUNICIPAL WASTE LANDFILL
PRIVATE WATER SUPPLY
QUARTERLY WATER QUALITY ANALYSES

Facility I.D. Number: 101389

Monitoring Point I.D. No.: PS BECK

Sample Date: 08/06/2026

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

PARAMETER	VALUE	ANALYSIS METHOD NUMBER
BENZENE	0.5 ND	EPA 524.2
1,2-DIBROMOETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHANE	0.5 ND	EPA 524.2
1,1-DICHLOROETHENE	0.5 ND	EPA 524.2
1,2-DICHLOROETHANE	0.5 ND	EPA 524.2
CIS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
TRANS 1,2-DICHLOROETHENE	0.5 ND	EPA 524.2
ETHYLBENZENE	0.5 ND	EPA 524.2
METHYLENE CHLORIDE	0.5 ND	EPA 524.2
TETRACHLOROETHENE	0.5 ND	EPA 524.2
TOLUENE	0.5 ND	EPA 524.2
1,1,1-TRICHLOROETHANE	0.5 ND	EPA 524.2
TRICHLOROETHENE	0.5 ND	EPA 524.2
TRICHLOROFLUOROMETHANE	0.5 ND	EPA 524.2
VINYL CHLORIDE	0.5 ND	EPA 524.2
XYLENES (TOTAL)	0.5 ND	EPA 524.2

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: 2550 Boulevard of the Generals, Suite 290 | West Norriton, PA 19403 | Phone: 717-982-8315

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

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

Project LCSWMA Quarterly
Workorder 3464307
Report ID 526289 on 8/24/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 05, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464307001	3044RIVERRD	Drinking Water	08/05/2026 12:30	08/05/2026 15:00	C	
3464307002	Trip Blank	Drinking Water	08/05/2026 00:00	08/05/2026 15:00	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 pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
3	The QC sample type MS for method EPA 524.2 was outside the control limits for the analyte Trichlorofluoromethane. The % Recovery was reported as 142 and the control limits were 70 to 130.
4	The QC sample type MS for method EPA 524.2 was outside the control limits for the analyte Vinyl Chloride. The % Recovery was reported as 139 and the control limits were 70 to 130.
5	The QC sample type MS for method EPA 200.7 was outside the control limits for the analyte Calcium, Total. The % Recovery was reported as 175 and the control limits were 70 to 130.
6	The concentration of this analyte was greater than 4 times the concentration of the spike added to the matrix spike. According to protocol, the calculation for percent recovery of the matrix spike is not valid.
7	The QC sample type MS for method EPA 200.7 was outside the control limits for the analyte Magnesium, Total. The % Recovery was reported as 147 and the control limits were 70 to 130.

Detected Results Summary

Client Sample ID	3044RIVERRD	Collected	08/05/2026 12:30
Lab Sample ID	3464307001	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	5.62	pH_Units		Field	#
Specific Conductance, Field	259	umhos/cm	1	Field	#
Temperature	15.60	Deg. C		Field	#
METALS					
Calcium, Dissolved	16.4	mg/L	0.10	EPA 200.7	#
Calcium, Total	16.4	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	9.9	mg/L	0.10	EPA 200.7	#
Magnesium, Total	9.8	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.0067	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.0065	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	2.1	mg/L	0.50	EPA 200.7	#
Potassium, Total	2.0	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	9.0	mg/L	0.50	EPA 200.7	#
Sodium, Total	9.0	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	15	mg/L	5	SM2320B-21	#
Alkalinity, Total	15	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.18	mg/L	0.10	S4500NH3G-21	#
Chloride	18.8	mg/L	0.50	EPA 300.0	#
Nitrate-N	17.1	mg/L	0.050	EPA 300.0	#
pH	6.04	pH_Units		SM4500HB-21	#
Specific Conductance	246	umhos/cm	5	SM2510B-21	#
Sulfate	0.76	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	208	mg/L	25	SM2540C-20	#
Turbidity	1.0	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3044RIVERRD	Collected	08/05/2026 12:30
Lab Sample ID	3464307001	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	5.62		pH_Units		Field	1	08/05/2026 12:30	J_D	P
Specific Conductance, Field	259		umhos/cm	1	Field	1	08/05/2026 12:30	J_D	P
Temperature	15.60		Deg. C		Field	1	08/05/2026 12:30	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	16.4		mg/L	0.10	EPA 200.7	1	08/13/2026 13:50	AAJ	F
Calcium, Total	16.4	5,6	mg/L	0.050	EPA 200.7	1	08/17/2026 13:10	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 13:50	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/17/2026 13:10	AAJ	D1
Magnesium, Dissolved	9.9		mg/L	0.10	EPA 200.7	1	08/13/2026 13:50	AAJ	F
Magnesium, Total	9.8	6,7	mg/L	0.050	EPA 200.7	1	08/17/2026 13:10	AAJ	D1
Manganese, Dissolved	0.0067		mg/L	0.0050	EPA 200.7	1	08/13/2026 13:50	AAJ	F
Manganese, Total	0.0065		mg/L	0.0025	EPA 200.7	1	08/17/2026 13:10	AAJ	D1
Potassium, Dissolved	2.1		mg/L	0.50	EPA 200.7	1	08/13/2026 13:50	AAJ	F
Potassium, Total	2.0		mg/L	0.25	EPA 200.7	1	08/17/2026 13:10	AAJ	D1
Sodium, Dissolved	9.0		mg/L	0.50	EPA 200.7	1	08/13/2026 13:50	AAJ	F
Sodium, Total	9.0		mg/L	0.25	EPA 200.7	1	08/17/2026 13:10	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Trichlorofluoromethane	ND	ND,3	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M
Vinyl Chloride	ND	ND,4	ug/L	0.50	EPA 524.2	1	08/13/2026 15:50	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	89.3%	70 – 130	08/13/2026 15:50	

WET CHEMISTRY

Results

Client Sample ID	3044RIVERRD	Collected	08/05/2026 12:30
Lab Sample ID	3464307001	Lab Receipt	08/05/2026 15:00

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	15		mg/L	5	SM2320B-21	1	08/06/2026 15:05	CMO	A
Alkalinity, Total	15	1	mg/L	5	SM2320B-21	1	08/06/2026 15:05	CMO	A
Ammonia-N, Low Level	0.18		mg/L	0.10	S4500NH3G-21	1	08/10/2026 14:35	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	18.8		mg/L	0.50	EPA 300.0	2	08/06/2026 19:08	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/06/2026 19:08	J1W	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/11/2026 17:51	PAG	K
Nitrate-N	17.1		mg/L	0.050	EPA 300.0	2	08/06/2026 19:08	J1W	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/06/2026 19:08	J1W	A
pH	6.04	2	pH_Units		SM4500HB-21	1	08/06/2026 15:05	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/21/2026 21:11	DJH	J
Specific Conductance	246		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	0.76		mg/L	0.50	EPA 300.0	2	08/06/2026 19:08	J1W	A
Total Dissolved Solids	208		mg/L	25	SM2540C-20	1	08/10/2026 15:50	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	H
Turbidity	1.0		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	Trip Blank	Collected	08/05/2026 00:00
Lab Sample ID	3464307002	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:31	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	86.6%	70 – 130	08/13/2026 13:31	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464307001	3044RIVERRD	Field	N/A	
		EPA 200.7	EPA ACID	
		EPA 200.7	EPA TRMD	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464307002	Trip Blank	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464307001	3044RIVERRD	N/A	N/A	N/A		Field	
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		EPA TRMD	1565592	08/16/2026 18:07	ANA	EPA 200.7	1565706
		N/A	N/A	N/A		EPA 524.2	1565402
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1566360
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564563
		N/A	N/A	N/A		SM2320B-21	1564608
		N/A	N/A	N/A		SM2510B-21	1564627
		N/A	N/A	N/A		SM2540C-20	1564828
		N/A	N/A	N/A		SM4500HB-21	1564608
		N/A	N/A	N/A		SM5310B-14	1564975
		N/A	N/A	N/A		SW846 9020B	1565053
3464307002	Trip Blank	N/A	N/A	N/A		EPA 524.2	1565402

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 #: 3464307
Logged By: T_H
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/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

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

	Container Type	AG	AN	AN	CG	P	P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml	500ml	250ml	125ml	125ml	1L	
	Preservative	HCL	H2SO4	H2SO4	ASCHCL	UNP	H2SO4	HNO3	HNO3	UNP	

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	TOX	O-OH	EPA 524.2 Form 52	Alkalinity, HCO3	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	
							Enter Number of Containers Per Sample or Field Results Below.									
1	3044RIVERRD	8/5/26	12:30		G	DW	2	2	1	3	1	1	2	2	1	
2	Trip Blank	8/5/26	NA		G	Di				3 2	HCh 8-5-26					
3																
4																
5																
6																
7																
8																
9																
10																

Receipt
Temp Taken By: Therm ID: 649 WO Temp (°C) 1 1

*Receipt Info completed by:*_____ WV Containers 0-6°C Y N NA

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

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, 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

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: PH-5.62 TEMP-15.6 SPC-259

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
8/5/2026	15:00	1 ALS EP		2 Received 8/5	
		3		4	
		5		6	
		7		8	
		9		10	

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

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 CCSWA Workorder 34644307

Temp °C 17 Therm ID 649 Ice? (Y) N N/A Initials & Date TKH 8-5-26

Fedex UPS Client (ALS) Other Tracking # _____

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

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

8/24/2026 2:35 PM

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

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

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

Project LCSWMA Quarterly
Workorder 3464315
Report ID 525397 on 8/18/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 05, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464315001	3052RIVERRD	Water	08/05/2026 12:50	08/05/2026 15:00	C	
3464315002	Trip Blank	Water	08/05/2026 00:00	08/05/2026 15:00	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 pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3052RIVERRD	Collected	08/05/2026 12:50
Lab Sample ID	3464315001	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	5.18	pH_Units		Field	#
Specific Conductance, Field	224	umhos/cm	1	Field	#
Temperature	16.10	Deg. C		Field	#
METALS					
Calcium, Dissolved	13.1	mg/L	0.10	EPA 200.7	#
Calcium, Total	13.3	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	9.3	mg/L	0.10	EPA 200.7	#
Magnesium, Total	9.6	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.039	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.041	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	1.9	mg/L	0.50	EPA 200.7	#
Potassium, Total	2.0	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	7.5	mg/L	0.50	EPA 200.7	#
Sodium, Total	7.7	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	6	mg/L	5	SM2320B-21	#
Alkalinity, Total	6	mg/L	5	SM2320B-21	#
Chloride	19.4	mg/L	0.50	EPA 300.0	#
Nitrate-N	15.9	mg/L	0.050	EPA 300.0	#
pH	5.58	pH_Units		SM4500HB-21	#
Specific Conductance	221	umhos/cm	5	SM2510B-21	#
Sulfate	1.8	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	198	mg/L	25	SM2540C-20	#
Turbidity	0.65	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3052RIVERRD	Collected	08/05/2026 12:50
Lab Sample ID	3464315001	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	5.18		pH_Units		Field	1	08/05/2026 12:50	J_D	P
Specific Conductance, Field	224		umhos/cm	1	Field	1	08/05/2026 12:50	J_D	P
Temperature	16.10		Deg. C		Field	1	08/05/2026 12:50	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	13.1		mg/L	0.10	EPA 200.7	1	08/13/2026 13:40	AAJ	F
Calcium, Total	13.3		mg/L	0.050	EPA 200.7	1	08/17/2026 13:27	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 13:40	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/17/2026 13:27	AAJ	D1
Magnesium, Dissolved	9.3		mg/L	0.10	EPA 200.7	1	08/13/2026 13:40	AAJ	F
Magnesium, Total	9.6		mg/L	0.050	EPA 200.7	1	08/17/2026 13:27	AAJ	D1
Manganese, Dissolved	0.039		mg/L	0.0050	EPA 200.7	1	08/13/2026 13:40	AAJ	F
Manganese, Total	0.041		mg/L	0.0025	EPA 200.7	1	08/17/2026 13:27	AAJ	D1
Potassium, Dissolved	1.9		mg/L	0.50	EPA 200.7	1	08/13/2026 13:40	AAJ	F
Potassium, Total	2.0		mg/L	0.25	EPA 200.7	1	08/17/2026 13:27	AAJ	D1
Sodium, Dissolved	7.5		mg/L	0.50	EPA 200.7	1	08/13/2026 13:40	AAJ	F
Sodium, Total	7.7		mg/L	0.25	EPA 200.7	1	08/17/2026 13:27	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:32	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	89.5%	70 – 130	08/13/2026 18:32	

WET CHEMISTRY

Results

Client Sample ID 3052RIVERRD
Lab Sample ID 3464315001

Collected 08/05/2026 12:50
Lab Receipt 08/05/2026 15:00

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	6		mg/L	5	SM2320B-21	1	08/06/2026 15:28	CMO	A
Alkalinity, Total	6	1	mg/L	5	SM2320B-21	1	08/06/2026 15:28	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/10/2026 14:48	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	19.4		mg/L	0.50	EPA 300.0	2	08/06/2026 19:37	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/06/2026 19:37	J1W	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/11/2026 17:51	PAG	K
Nitrate-N	15.9		mg/L	0.050	EPA 300.0	2	08/06/2026 19:37	J1W	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/06/2026 19:37	J1W	A
pH	5.58	2	pH_Units		SM4500HB-21	1	08/06/2026 15:28	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/11/2026 22:04	DJH	J
Specific Conductance	221		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	1.8		mg/L	0.50	EPA 300.0	2	08/06/2026 19:37	J1W	A
Total Dissolved Solids	198		mg/L	25	SM2540C-20	1	08/10/2026 15:50	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	H
Turbidity	0.65		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	Trip Blank	Collected	08/05/2026 00:00
Lab Sample ID	3464315002	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 16:59	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	86.5%	70 – 130	08/13/2026 16:59	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464315001	3052RIVERRD	Field	N/A	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA ACID	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464315002	Trip Blank	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464315001	3052RIVERRD	N/A	N/A	N/A		Field	
		EPA TRMD	1565592	08/16/2026 18:07	ANA	EPA 200.7	1565706
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		N/A	N/A	N/A		EPA 524.2	1565402
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564563
		N/A	N/A	N/A		SM2320B-21	1564608
		N/A	N/A	N/A		SM2510B-21	1564627
		N/A	N/A	N/A		SM2540C-20	1564828
		N/A	N/A	N/A		SM4500HB-21	1564608
		N/A	N/A	N/A		SM5310B-14	1564975
		N/A	N/A	N/A		SW846 9020B	1565053
3464315002	Trip Blank	N/A	N/A	N/A		EPA 524.2	1565402

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 #: 3464315
Logged By: T_H
PM: SIW
ALS Quote #:
of

Client Name: LCSWMA Gerald E Miller Sr

Address: 3052 River Rd
Conestoga PA 17516

Contact: Gerald E Miller Sr
Phone#: 717-872-5117
Project Name/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

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

	Container Type	Container Size	Preservative
1	AG	40ml	HCL
2	AN	250ml	H2SO4
3	AN	125ml	H2SO4
4	CG	40ml	ASCHCL
5			
6	P	250ml	H2SO4
7	P	125ml	HNO3
8	P	125ml	HNO3
9	P	1L	UNP
10	P	500ml	UNP

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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3052RIVERRD	8/5/26	12:50		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/5/26	NA		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Receipt Information (Completed by Receiving Lab)
Temp Taken By: Therm ID: 649 WO Temp (°C) 18
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

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: PH-5.18 TEMP-16.1 SPC-224

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
8/5/2026	15:00	1	ALS EP	2	Tchapel 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 CCSWA Workorder 3464315

Temp °C 18 Therm ID 049 Ice? (Y) N N/A Initials & Date tkh 8-5-26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *if not present, must contact PM/client to request name.*	X			
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)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

8/18/2026 2:17 PM

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

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

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

Project LCSWMA Quarterly
Workorder 3464317
Report ID 525401 on 8/18/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 05, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464317001	3056RIVERRD	Drinking Water	08/05/2026 13:10	08/05/2026 15:00	C	
3464317002	TRIP BLANK	Drinking Water	08/05/2026 00:00	08/05/2026 15:00	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

P1 Project was received at a temperature greater than six degrees Celsius.

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
3	The QC sample type MS for method EPA 200.7 was outside the control limits for the analyte Calcium, Total. The % Recovery was reported as 183 and the control limits were 70 to 130.
4	The concentration of this analyte was greater than 4 times the concentration of the spike added to the matrix spike. According to protocol, the calculation for percent recovery of the matrix spike is not valid.
5	The QC sample type MS for method EPA 200.7 was outside the control limits for the analyte Magnesium, Total. The % Recovery was reported as 184 and the control limits were 70 to 130.

Detected Results Summary

Client Sample ID	3056RIVERRD	Collected	08/05/2026 13:10
Lab Sample ID	3464317001	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	5.25	pH_Units		Field	#
Specific Conductance, Field	232	umhos/cm	1	Field	#
Temperature	15.20	Deg. C		Field	#
METALS					
Calcium, Dissolved	10.8	mg/L	0.10	EPA 200.7	#
Calcium, Total	10.8	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	10.6	mg/L	0.10	EPA 200.7	#
Magnesium, Total	10.6	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.058	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.059	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	2.0	mg/L	0.50	EPA 200.7	#
Potassium, Total	2.0	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	8.4	mg/L	0.50	EPA 200.7	#
Sodium, Total	8.3	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	5	mg/L	5	SM2320B-21	#
Alkalinity, Total	5	mg/L	5	SM2320B-21	#
Chloride	23.6	mg/L	0.50	EPA 300.0	#
Nitrate-N	15.1	mg/L	0.050	EPA 300.0	#
pH	5.65	pH_Units		SM4500HB-21	#
Specific Conductance	227	umhos/cm	5	SM2510B-21	#
Total Dissolved Solids	150	mg/L	25	SM2540C-20	#
Turbidity	1.0	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3056RIVERRD	Collected	08/05/2026 13:10
Lab Sample ID	3464317001	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	5.25	P1	pH_Units		Field	1	08/05/2026 13:10	J_D	P
Specific Conductance, Field	232	P1	umhos/cm	1	Field	1	08/05/2026 13:10	J_D	P
Temperature	15.20	P1	Deg. C		Field	1	08/05/2026 13:10	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	10.8	P1	mg/L	0.10	EPA 200.7	1	08/13/2026 13:36	AAJ	F
Calcium, Total	10.8	3,4,P1	mg/L	0.050	EPA 200.7	1	08/17/2026 13:33	AAJ	D1
Iron, Dissolved	ND	ND,P1	mg/L	0.060	EPA 200.7	1	08/13/2026 13:36	AAJ	F
Iron, Total	ND	ND,P1	mg/L	0.030	EPA 200.7	1	08/17/2026 13:33	AAJ	D1
Magnesium, Dissolved	10.6	P1	mg/L	0.10	EPA 200.7	1	08/13/2026 13:36	AAJ	F
Magnesium, Total	10.6	4,5,P1	mg/L	0.050	EPA 200.7	1	08/17/2026 13:33	AAJ	D1
Manganese, Dissolved	0.058	P1	mg/L	0.0050	EPA 200.7	1	08/13/2026 13:36	AAJ	F
Manganese, Total	0.059	P1	mg/L	0.0025	EPA 200.7	1	08/17/2026 13:33	AAJ	D1
Potassium, Dissolved	2.0	P1	mg/L	0.50	EPA 200.7	1	08/13/2026 13:36	AAJ	F
Potassium, Total	2.0	P1	mg/L	0.25	EPA 200.7	1	08/17/2026 13:33	AAJ	D1
Sodium, Dissolved	8.4	P1	mg/L	0.50	EPA 200.7	1	08/13/2026 13:36	AAJ	F
Sodium, Total	8.3	P1	mg/L	0.25	EPA 200.7	1	08/17/2026 13:33	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
1,1-Dichloroethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
1,1-Dichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
1,2-Dibromoethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
1,2-Dichloroethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Benzene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
cis-1,2-Dichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Ethylbenzene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Methylene Chloride	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Tetrachloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Toluene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Total Xylenes	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
trans-1,2-Dichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Trichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Trichlorofluoromethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M
Vinyl Chloride	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 18:55	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	87.5%	70 – 130	08/13/2026 18:55	

WET CHEMISTRY

Results

Client Sample ID	3056RIVERRD	Collected	08/05/2026 13:10
Lab Sample ID	3464317001	Lab Receipt	08/05/2026 15:00

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	5	P1	mg/L	5	SM2320B-21	1	08/06/2026 16:14	CMO	A
Alkalinity, Total	5	1,P1	mg/L	5	SM2320B-21	1	08/06/2026 16:14	CMO	A
Ammonia-N, Low Level	ND	ND,P1	mg/L	0.10	S4500NH3G-21	1	08/10/2026 14:54	AYS	C
Chemical Oxygen Demand (COD)	ND	ND,P1	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	23.6	P1	mg/L	0.50	EPA 300.0	2	08/06/2026 19:51	J1W	A
Fluoride	ND	ND,P1	mg/L	0.20	EPA 300.0	2	08/06/2026 19:51	J1W	A
Halogen, Total Organic (TOX)	ND	ND,P1	ug/L	20.0	SW846 9020B	1	08/11/2026 17:51	PAG	K
Nitrate-N	15.1	P1	mg/L	0.050	EPA 300.0	2	08/06/2026 19:51	J1W	A
Nitrite-N	ND	ND,P1	mg/L	0.050	EPA 300.0	2	08/06/2026 19:51	J1W	A
pH	5.65	2,P1	pH_Units		SM4500HB-21	1	08/06/2026 16:14	CMO	A
Phenolics	ND	ND,P1	mg/L	0.005	EPA 420.4	1	08/11/2026 22:07	DJH	J
Specific Conductance	227	P1	umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	ND	ND,P1	mg/L	0.50	EPA 300.0	2	08/06/2026 19:51	J1W	A
Total Dissolved Solids	150	P1	mg/L	25	SM2540C-20	1	08/11/2026 18:15	RAG	A
Total Organic Carbon (TOC)	ND	ND,P1	mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	H
Turbidity	1.0	P1	NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	TRIP BLANK	Collected	08/05/2026 00:00
Lab Sample ID	3464317002	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
1,1-Dichloroethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
1,1-Dichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
1,2-Dibromoethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
1,2-Dichloroethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Benzene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
cis-1,2-Dichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Ethylbenzene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Methylene Chloride	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Tetrachloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Toluene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Total Xylenes	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
trans-1,2-Dichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Trichloroethene	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Trichlorofluoromethane	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A
Vinyl Chloride	ND	ND,P1	ug/L	0.50	EPA 524.2	1	08/13/2026 17:23	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	88.4%	70 – 130	08/13/2026 17:23	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464317001	3056RIVERRD	Field	N/A	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA ACID	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464317002	TRIP BLANK	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464317001	3056RIVERRD	N/A	N/A	N/A		Field	
		EPA TRMD	1565592	08/16/2026 18:07	ANA	EPA 200.7	1565706
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		N/A	N/A	N/A		EPA 524.2	1565402
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564563
		N/A	N/A	N/A		SM2320B-21	1564608
		N/A	N/A	N/A		SM2510B-21	1564627
		N/A	N/A	N/A		SM2540C-20	1564991
		N/A	N/A	N/A		SM4500HB-21	1564608
		N/A	N/A	N/A		SM5310B-14	1564975
		N/A	N/A	N/A		SW846 9020B	1565053
3464317002	TRIP BLANK	N/A	N/A	N/A		EPA 524.2	1565402

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 #: 3464317
Logged By: T_H
PM: SIW
ALS Quote #:
of

Client Name: Lancaster County Solid Waste MA

Address: 1299 Harrisburg pike
Lancaster PA 17604

Contact: Dan Brown
Phone#: 717-553-5864
Project Name/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

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

	Container Type	AG	AN	AN	CG		P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
	Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP

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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3056RIVERRD	8/5/26	13:10		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/5/26	NA		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Temp Taken By: Therm ID: 649 WO Temp (°C) 17

*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

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: PH-5.25 TEMP-15.2 SPC-232

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
8/5/2026	15:00	1 ALS EP		2	
		3		4	
		5		6	
		7		8	
		9		10	

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

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 CCSWA Workorder 3464317

Temp °C 17 Therm ID 049 Ice? (Y) N N/A Initials & Date tkh 8-5-26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
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)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

8/18/2026 2:20 PM

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

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

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

Project LCSWMA Quarterly
Workorder 3464319
Report ID 525399 on 8/18/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 05, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464319001	3060RIVERRD	Drinking Water	08/05/2026 13:45	08/05/2026 15:00	C	
3464319002	TRIP BLANK	Drinking Water	08/05/2026 00:00	08/05/2026 15:00	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 Nitrate-N. The % Recovery was reported as 31.7 and the control limits were 80 to 120.
3	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3060RIVERRD	Collected	08/05/2026 13:45
Lab Sample ID	3464319001	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	5.13	pH_Units		Field	#
Specific Conductance, Field	222	umhos/cm	1	Field	#
Temperature	15.20	Deg. C		Field	#
METALS					
Calcium, Dissolved	9.9	mg/L	0.10	EPA 200.7	#
Calcium, Total	9.8	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	10.2	mg/L	0.10	EPA 200.7	#
Magnesium, Total	9.9	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.096	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.094	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	2.5	mg/L	0.50	EPA 200.7	#
Potassium, Total	2.4	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	8.6	mg/L	0.50	EPA 200.7	#
Sodium, Total	8.4	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Chloride	17.5	mg/L	0.50	EPA 300.0	#
Nitrate-N	15.3	mg/L	0.050	EPA 300.0	#
pH	5.34	pH_Units		SM4500HB-21	#
Specific Conductance	241	umhos/cm	5	SM2510B-21	#
Sulfate	8.3	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	158	mg/L	25	SM2540C-20	#
Turbidity	0.45	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3060RIVERRD	Collected	08/05/2026 13:45
Lab Sample ID	3464319001	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	5.13		pH_Units		Field	1	08/05/2026 13:45	J_D	P
Specific Conductance, Field	222		umhos/cm	1	Field	1	08/05/2026 13:45	J_D	P
Temperature	15.20		Deg. C		Field	1	08/05/2026 13:45	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	9.9		mg/L	0.10	EPA 200.7	1	08/13/2026 13:52	AAJ	F
Calcium, Total	9.8		mg/L	0.050	EPA 200.7	1	08/17/2026 13:29	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 13:52	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/17/2026 13:29	AAJ	D1
Magnesium, Dissolved	10.2		mg/L	0.10	EPA 200.7	1	08/13/2026 13:52	AAJ	F
Magnesium, Total	9.9		mg/L	0.050	EPA 200.7	1	08/17/2026 13:29	AAJ	D1
Manganese, Dissolved	0.096		mg/L	0.0050	EPA 200.7	1	08/13/2026 13:52	AAJ	F
Manganese, Total	0.094		mg/L	0.0025	EPA 200.7	1	08/17/2026 13:29	AAJ	D1
Potassium, Dissolved	2.5		mg/L	0.50	EPA 200.7	1	08/13/2026 13:52	AAJ	F
Potassium, Total	2.4		mg/L	0.25	EPA 200.7	1	08/17/2026 13:29	AAJ	D1
Sodium, Dissolved	8.6		mg/L	0.50	EPA 200.7	1	08/13/2026 13:52	AAJ	F
Sodium, Total	8.4		mg/L	0.25	EPA 200.7	1	08/17/2026 13:29	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 19:18	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	87.9%	70 – 130	08/13/2026 19:18	

WET CHEMISTRY

Results

Client Sample ID	3060RIVERRD	Collected	08/05/2026 13:45
Lab Sample ID	3464319001	Lab Receipt	08/05/2026 15:00

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	08/06/2026 16:24	CMO	A
Alkalinity, Total	ND	ND,1	mg/L	5	SM2320B-21	1	08/06/2026 16:24	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/10/2026 14:58	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	17.5		mg/L	0.50	EPA 300.0	2	08/06/2026 20:06	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/06/2026 20:06	J1W	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/12/2026 17:30	PAG	K
Nitrate-N	15.3	2	mg/L	0.050	EPA 300.0	2	08/06/2026 20:06	J1W	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/06/2026 20:06	J1W	A
pH	5.34	3	pH_Units		SM4500HB-21	1	08/06/2026 16:24	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/11/2026 14:58	DJH	J
Specific Conductance	241		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	8.3		mg/L	0.50	EPA 300.0	2	08/06/2026 20:06	J1W	A
Total Dissolved Solids	158		mg/L	25	SM2540C-20	1	08/11/2026 18:15	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	H
Turbidity	0.45		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	TRIP BLANK	Collected	08/05/2026 00:00
Lab Sample ID	3464319002	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 17:46	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	86.6%	70 – 130	08/13/2026 17:46	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464319001	3060RIVERRD	Field	N/A	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA ACID	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464319002	TRIP BLANK	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464319001	3060RIVERRD	N/A	N/A	N/A		Field	
		EPA TRMD	1565592	08/16/2026 18:07	ANA	EPA 200.7	1565706
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		N/A	N/A	N/A		EPA 524.2	1565402
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564563
		N/A	N/A	N/A		SM2320B-21	1564608
		N/A	N/A	N/A		SM2510B-21	1564627
		N/A	N/A	N/A		SM2540C-20	1564991
		N/A	N/A	N/A		SM4500HB-21	1564608
		N/A	N/A	N/A		SM5310B-14	1564975
		N/A	N/A	N/A		SW846 9020B	1565234
3464319002	TRIP BLANK	N/A	N/A	N/A		EPA 524.2	1565402

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 #: 3464319 Logged By: T_H PM: SIW

ALS Quote #: of

Client Name: Lancaster County Solid Waste MA

Address: 1299 Harrisburg pike
Lancaster PA 17604

Contact: Dan Brown
Phone#: 717-553-5864
Project Name/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

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

	Container Type	AG	AN	AN	CG		P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
	Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP
	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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3060RIVERRD	8/5/26	13:45		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/5/26	NA		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: 649 WO Temp (°C) 20

*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

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: PH-5.13 TEMP-15.2 SPC-222

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8/5/2026	15:00	1	ALS EP	2	
		3		4	
		5		6	
		7		8	
		9		10	

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

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

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

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

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

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

Rev 07.06.2023

Middletown Sample Condition Form

Client: CCSWA Workorder: 34643I9

Temp °C: 20 Therm ID: 649 Ice? (Y) N N/A Initials & Date: JKh 8-5-26

Fedex UPS Client (ALS) Other Tracking #: _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
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)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

8/18/2026 2:19 PM

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

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

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

Project LCSWMA Quarterly
Workorder 3464314
Report ID 526290 on 8/24/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 05, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464314001	3076RIVERRD	Drinking Water	08/05/2026 14:00	08/05/2026 15:00	C	
3464314002	Trip Blank	Drinking Water	08/05/2026 00:00	08/05/2026 15:00	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 pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3076RIVERRD	Collected	08/05/2026 14:00
Lab Sample ID	3464314001	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	5.23	pH_Units		Field	#
Specific Conductance, Field	293	umhos/cm	1	Field	#
Temperature	17.80	Deg. C		Field	#
METALS					
Calcium, Dissolved	12.9	mg/L	0.10	EPA 200.7	#
Calcium, Total	13.1	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	8.0	mg/L	0.10	EPA 200.7	#
Magnesium, Total	8.1	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.11	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.11	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	2.9	mg/L	0.50	EPA 200.7	#
Potassium, Total	3.0	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	25.1	mg/L	0.50	EPA 200.7	#
Sodium, Total	25.1	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	7	mg/L	5	SM2320B-21	#
Alkalinity, Total	7	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.16	mg/L	0.10	S4500NH3G-21	#
Chloride	57.9	mg/L	0.50	EPA 300.0	#
Nitrate-N	8.2	mg/L	0.050	EPA 300.0	#
pH	5.60	pH_Units		SM4500HB-21	#
Specific Conductance	301	umhos/cm	5	SM2510B-21	#
Sulfate	9.9	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	211	mg/L	25	SM2540C-20	#
Turbidity	0.75	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3076RIVERRD	Collected	08/05/2026 14:00
Lab Sample ID	3464314001	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	5.23		pH_Units		Field	1	08/05/2026 14:00	J_D	P
Specific Conductance, Field	293		umhos/cm	1	Field	1	08/05/2026 14:00	J_D	P
Temperature	17.80		Deg. C		Field	1	08/05/2026 14:00	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	12.9		mg/L	0.10	EPA 200.7	1	08/13/2026 13:42	AAJ	F
Calcium, Total	13.1		mg/L	0.050	EPA 200.7	1	08/17/2026 13:24	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 13:42	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/17/2026 13:24	AAJ	D1
Magnesium, Dissolved	8.0		mg/L	0.10	EPA 200.7	1	08/13/2026 13:42	AAJ	F
Magnesium, Total	8.1		mg/L	0.050	EPA 200.7	1	08/17/2026 13:24	AAJ	D1
Manganese, Dissolved	0.11		mg/L	0.0050	EPA 200.7	1	08/13/2026 13:42	AAJ	F
Manganese, Total	0.11		mg/L	0.0025	EPA 200.7	1	08/17/2026 13:24	AAJ	D1
Potassium, Dissolved	2.9		mg/L	0.50	EPA 200.7	1	08/13/2026 13:42	AAJ	F
Potassium, Total	3.0		mg/L	0.25	EPA 200.7	1	08/17/2026 13:24	AAJ	D1
Sodium, Dissolved	25.1		mg/L	0.50	EPA 200.7	1	08/13/2026 13:42	AAJ	F
Sodium, Total	25.1		mg/L	0.25	EPA 200.7	1	08/17/2026 13:24	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 18:09	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	87%	70 – 130	08/13/2026 18:09	

WET CHEMISTRY

Results

Client Sample ID	3076RIVERRD	Collected	08/05/2026 14:00
Lab Sample ID	3464314001	Lab Receipt	08/05/2026 15:00

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	7		mg/L	5	SM2320B-21	1	08/06/2026 15:17	CMO	A
Alkalinity, Total	7	1	mg/L	5	SM2320B-21	1	08/06/2026 15:17	CMO	A
Ammonia-N, Low Level	0.16		mg/L	0.10	S4500NH3G-21	1	08/10/2026 14:38	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	57.9		mg/L	0.50	EPA 300.0	2	08/06/2026 19:22	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/06/2026 19:22	J1W	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/11/2026 17:51	PAG	K
Nitrate-N	8.2		mg/L	0.050	EPA 300.0	2	08/06/2026 19:22	J1W	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/06/2026 19:22	J1W	A
pH	5.60	2	pH_Units		SM4500HB-21	1	08/06/2026 15:17	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/21/2026 21:14	DJH	J
Specific Conductance	301		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	9.9		mg/L	0.50	EPA 300.0	2	08/06/2026 19:22	J1W	A
Total Dissolved Solids	211		mg/L	25	SM2540C-20	1	08/10/2026 15:50	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	H
Turbidity	0.75		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	Trip Blank	Collected	08/05/2026 00:00
Lab Sample ID	3464314002	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/13/2026 13:54	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	88.7%	70 – 130	08/13/2026 13:54	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464314001	3076RIVERRD	Field	N/A	
		EPA 200.7	EPA ACID	
		EPA 200.7	EPA TRMD	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464314002	Trip Blank	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464314001	3076RIVERRD	N/A	N/A	N/A		Field	
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		EPA TRMD	1565592	08/16/2026 18:07	ANA	EPA 200.7	1565706
		N/A	N/A	N/A		EPA 524.2	1565402
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1566360
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564563
		N/A	N/A	N/A		SM2320B-21	1564608
		N/A	N/A	N/A		SM2510B-21	1564627
		N/A	N/A	N/A		SM2540C-20	1564828
		N/A	N/A	N/A		SM4500HB-21	1564608
		N/A	N/A	N/A		SM5310B-14	1564975
		N/A	N/A	N/A		SW846 9020B	1565053
3464314002	Trip Blank	N/A	N/A	N/A		EPA 524.2	1565402

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 #: 3464314 Logged By: T_H PM: SIW

ALS Quote: ____ of ____

Client Name: LCSWMA Brian Sensenich

Address: 3076 River Rd, Conestoga PA 17516

Contact: Brian Sensenich

Phone#: 717-676-5779

Project Name/#: LCSWMA Quarterly

Bill To: LCSWMA Biran Sensenich

Purchase Order #:

TAT [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALS approval and surcharges.

Date Required: **Approved?**

Email? [ ]

	Container Type	Container Size	Preservative
1	AG	40ml	HCL
2	AN	250ml	H2SO4
3	AN	125ml	H2SO4
4	CG	40ml	ASCHCL
5			
6	P	250ml	H2SO4
7	P	125ml	HNO3
8	P	125ml	HNO3
9	P	1L	UNP
10	P	500ml	UNP

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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3076RIVERRD	8/5/26	14:00		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/5/26	NA		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Temp Taken By: Therm ID: 649 WO Temp (°C) 15

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

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: PH-5.23 TEMP-17.8 SPC-293

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8/5/2026	15:00	1	ALS EP	2	
		3		4	
		5		6	
		7		8	
		9		10	

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

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

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

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

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

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

Rev 07.06.2023

Middletown Sample Condition Form

Client CCSWA Workorder 34643I4

Temp °C 15 Therm ID 649 Ice? (Y) N N/A Initials & Date tkh 8-5-26

Fedex UPS Client (ALS) Other Tracking # _____

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *If not present, must contact PM/client to request name.*	X			
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)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

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

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

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

Project LCSWMA Quarterly
Workorder 3464604
Report ID 526871 on 8/27/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 07, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464604001	3079RIVERRD	Water	08/07/2026 09:15	08/07/2026 11:45	EMP	ALS Environmental-Middletown
3464604002	TRIP BLANK	Water	08/07/2026 00:00	08/07/2026 11:45	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	Analyte was analyzed past the 48 hour holding time.
3	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3079RIVERRD	Collected	08/07/2026 09:15
Lab Sample ID	3464604001	Lab Receipt	08/07/2026 11:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Dissolved Oxygen	2.71	mg/L	0.01	Field	#
Oxidation-Reduction Potential	140	mV		Field	#
pH, Field (SM4500B)	5.64	pH_Units		Field	#
Specific Conductance, Field	162	umhos/cm	1	Field	#
Temperature	20.65	Deg. C		Field	#
METALS					
Calcium, Dissolved	11.6	mg/L	0.10	EPA 200.7	#
Calcium, Total	10.9	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	6.1	mg/L	0.10	EPA 200.7	#
Magnesium, Total	5.6	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.020	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.020	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	2.1	mg/L	0.50	EPA 200.7	#
Potassium, Total	1.7	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	14.3	mg/L	0.50	EPA 200.7	#
Sodium, Total	12.8	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	18	mg/L	5	SM2320B-21	#
Alkalinity, Total	18	mg/L	5	SM2320B-21	#
Chloride	36.5	mg/L	0.50	EPA 300.0	#
Nitrate-N	2.8	mg/L	0.050	EPA 300.0	#
Nitrite-N	0.24	mg/L	0.050	EPA 300.0	#
pH	5.84	pH_Units		SM4500HB-21	#
Specific Conductance	191	umhos/cm	5	SM2510B-21	#
Sulfate	6.4	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	136	mg/L	25	SM2540C-20	#
Turbidity	0.95	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3079RIVERRD	Collected	08/07/2026 09:15
Lab Sample ID	3464604001	Lab Receipt	08/07/2026 11:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dissolved Oxygen	2.71		mg/L	0.01	Field	1	08/07/2026 09:15	J_D	O
Oxidation-Reduction Potential	140		mV		Field	1	08/07/2026 09:15	J_D	O
pH, Field (SM4500B)	5.64		pH_Units		Field	1	08/07/2026 09:15	J_D	O
Specific Conductance, Field	162		umhos/cm	1	Field	1	08/07/2026 09:15	J_D	O
Temperature	20.65		Deg. C		Field	1	08/07/2026 09:15	J_D	O

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	11.6		mg/L	0.10	EPA 200.7	1	08/19/2026 12:50	AAJ	F
Calcium, Total	10.9		mg/L	0.050	EPA 200.7	1	08/20/2026 11:59	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/19/2026 12:50	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/20/2026 11:59	AAJ	D1
Magnesium, Dissolved	6.1		mg/L	0.10	EPA 200.7	1	08/19/2026 12:50	AAJ	F
Magnesium, Total	5.6		mg/L	0.050	EPA 200.7	1	08/20/2026 11:59	AAJ	D1
Manganese, Dissolved	0.020		mg/L	0.0050	EPA 200.7	1	08/19/2026 12:50	AAJ	F
Manganese, Total	0.020		mg/L	0.0025	EPA 200.7	1	08/20/2026 11:59	AAJ	D1
Potassium, Dissolved	2.1		mg/L	0.50	EPA 200.7	1	08/19/2026 12:50	AAJ	F
Potassium, Total	1.7		mg/L	0.25	EPA 200.7	1	08/20/2026 11:59	AAJ	D1
Sodium, Dissolved	14.3		mg/L	0.50	EPA 200.7	1	08/19/2026 12:50	AAJ	F
Sodium, Total	12.8		mg/L	0.25	EPA 200.7	1	08/20/2026 11:59	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 17:23	TMP	L

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	80.2%	70 – 130	08/15/2026 17:23	

Results

Client Sample ID	3079RIVERRD	Collected	08/07/2026 09:15
Lab Sample ID	3464604001	Lab Receipt	08/07/2026 11:45

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	18		mg/L	5	SM2320B-21	1	08/10/2026 12:56	CMO	A
Alkalinity, Total	18	1	mg/L	5	SM2320B-21	1	08/10/2026 12:56	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/13/2026 19:20	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/12/2026 12:09	KMS	C
Chloride	36.5		mg/L	0.50	EPA 300.0	2	08/10/2026 08:50	AOO	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/10/2026 08:50	AOO	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/25/2026 17:58	PAG	K
Nitrate-N	2.8	2	mg/L	0.050	EPA 300.0	2	08/10/2026 08:50	AOO	A
Nitrite-N	0.24	2	mg/L	0.050	EPA 300.0	2	08/10/2026 08:50	AOO	A
pH	5.84	3	pH_Units		SM4500HB-21	1	08/10/2026 12:56	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/11/2026 16:57	DJH	J
Specific Conductance	191		umhos/cm	5	SM2510B-21	1	08/10/2026 11:44	CMO	A
Sulfate	6.4		mg/L	0.50	EPA 300.0	2	08/10/2026 08:50	AOO	A
Total Dissolved Solids	136		mg/L	25	SM2540C-20	1	08/13/2026 17:10	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/13/2026 03:11	PAG	H
Turbidity	0.95		NTU	0.30	SM2130B-20	1	08/08/2026 09:24	NPF	A

Results

Client Sample ID	TRIP BLANK	Collected	08/07/2026 00:00
Lab Sample ID	3464604002	Lab Receipt	08/07/2026 11:45

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/15/2026 11:15	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	82.4%	70 – 130	08/15/2026 11:15	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464604001	3079RIVERRD	Field	N/A	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA ACID	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464604002	TRIP BLANK	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464604001	3079RIVERRD	N/A	N/A	N/A		Field	
		EPA TRMD	1565942	08/18/2026 18:30	ANA	EPA 200.7	1566095
		EPA ACID	1566024	08/19/2026 08:43	AAJ	EPA 200.7	1566025
		N/A	N/A	N/A		EPA 524.2	1565618
		N/A	N/A	N/A		EPA 300.0	1564948
		N/A	N/A	N/A		EPA 410.4	1565240
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564961
		N/A	N/A	N/A		SM2130B-20	1564815
		N/A	N/A	N/A		SM2320B-21	1564906
		N/A	N/A	N/A		SM2510B-21	1564932
		N/A	N/A	N/A		SM2540C-20	1565404
		N/A	N/A	N/A		SM4500HB-21	1564906
		N/A	N/A	N/A		SM5310B-14	1565294
		N/A	N/A	N/A		SW846 9020B	1566623
3464604002	TRIP BLANK	N/A	N/A	N/A		EPA 524.2	1565618

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 #: 3464604
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/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

TAT [x] Normal-Standard TAT is 10-12 business days.
[ ] Rush-Subject to ALS approval and surcharges.

Date Required: **Approved?**
Email? [ ]

	Container Type	AG	AN	AN	CG		P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
	Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP

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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3079RIVERRD	8/7/26	09:15		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/7/26	na		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Receipt Inform
Temp Taken By: (C 3.0C TH 3.0
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
Reportable SDWA Sample(s)? Y N
SDWA State of Origin?
PWSID #

Rad Screen (uCi)
New Source? Y N
New Source Contact:

PWS Contact: PWS Phone #:

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

Sample/COC Remarks

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: PH-5.64 TEMP-20.65 SPC-162 DO-2.71 ORP-140

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
8/7/2026	11:45	1 ALS EP		2	ALS
		3		4	
		5		6	
		7		8	
		9		10	

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

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

right solutions. right partner.

Middletown Sample Condition Form

Client LCSWMA Workorder 34649604

Temp °C 3 Therm ID 309 Ice? (Y) N N/A Initials & Date LC 8-7-26

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)	✓		~~✓~~	LC 8-7-26
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: 2550 Boulevard of the Generals, Suite 290 | West Norriton, PA 19403 | Phone: 717-982-8315

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

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

Project LCSWMA Quarterly
Workorder 3464489
Report ID 526015 on 8/21/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 06, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464489001	3088 River Road, Conestoga PA	Drinking Water	08/06/2026 08:30	08/06/2026 14:30	C	
3464489002	Trip Blank	Drinking Water	08/06/2026 00:00	08/06/2026 14:30	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 pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3088 River Road, Conestoga PA	Collected	08/06/2026 08:30
Lab Sample ID	3464489001	Lab Receipt	08/06/2026 14:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Dissolved Oxygen	1.92	mg/L	0.01	Field	#
Oxidation-Reduction Potential	36	mV		Field	#
pH, Field (SM4500B)	7.71	pH_Units		Field	#
Specific Conductance, Field	837	umhos/cm	1	Field	#
Temperature	24.00	Deg. C		Field	#
METALS					
Calcium, Dissolved	0.14	mg/L	0.10	EPA 200.7	#
Calcium, Total	0.15	mg/L	0.050	EPA 200.7	#
Potassium, Dissolved	3.0	mg/L	0.50	EPA 200.7	#
Potassium, Total	2.7	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	199	mg/L	0.50	EPA 200.7	#
Sodium, Total	205	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Total	200	mg/L	5	SM2320B-21	#
Chloride	72.3	mg/L	0.50	EPA 300.0	#
Halogen, Total Organic (TOX)	39.5	ug/L	20.0	SW846 9020B	#
Nitrate-N	2.8	mg/L	0.050	EPA 300.0	#
pH	7.34	pH_Units		SM4500HB-21	#
Specific Conductance	982	umhos/cm	5	SM2510B-21	#
Total Dissolved Solids	542	mg/L	25	SM2540C-20	#
Turbidity	1.3	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3088 River Road, Conestoga PA	Collected	08/06/2026 08:30
Lab Sample ID	3464489001	Lab Receipt	08/06/2026 14:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dissolved Oxygen	1.92		mg/L	0.01	Field	1	08/06/2026 08:30	J_D	P
Oxidation-Reduction Potential	36		mV		Field	1	08/06/2026 08:30	J_D	P
pH, Field (SM4500B)	7.71		pH_Units		Field	1	08/06/2026 08:30	J_D	P
Specific Conductance, Field	837		umhos/cm	1	Field	1	08/06/2026 08:30	J_D	P
Temperature	24.00		Deg. C		Field	1	08/06/2026 08:30	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	0.14		mg/L	0.10	EPA 200.7	1	08/13/2026 13:59	AAJ	F
Calcium, Total	0.15		mg/L	0.050	EPA 200.7	1	08/18/2026 17:08	MSY	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 13:59	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/18/2026 17:08	MSY	D1
Magnesium, Dissolved	ND	ND	mg/L	0.10	EPA 200.7	1	08/13/2026 13:59	AAJ	F
Magnesium, Total	ND	ND	mg/L	0.050	EPA 200.7	1	08/20/2026 16:19	AAJ	D2
Manganese, Dissolved	ND	ND	mg/L	0.0050	EPA 200.7	1	08/13/2026 13:59	AAJ	F
Manganese, Total	ND	ND	mg/L	0.0025	EPA 200.7	1	08/18/2026 17:08	MSY	D1
Potassium, Dissolved	3.0		mg/L	0.50	EPA 200.7	1	08/13/2026 13:59	AAJ	F
Potassium, Total	2.7		mg/L	0.25	EPA 200.7	1	08/18/2026 17:08	MSY	D1
Sodium, Dissolved	199		mg/L	0.50	EPA 200.7	1	08/13/2026 13:59	AAJ	F
Sodium, Total	205		mg/L	0.25	EPA 200.7	1	08/18/2026 17:08	MSY	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:27	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	83.5%	70 – 130	08/14/2026 19:27	

Results

Client Sample ID	3088 River Road, Conestoga PA	Collected	08/06/2026 08:30
Lab Sample ID	3464489001	Lab Receipt	08/06/2026 14:30

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	08/07/2026 18:47	CMO	A
Alkalinity, Total	200	1	mg/L	5	SM2320B-21	1	08/07/2026 18:47	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/10/2026 18:09	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/12/2026 12:09	KMS	C
Chloride	72.3		mg/L	0.50	EPA 300.0	2	08/08/2026 12:15	AOO	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/08/2026 12:15	AOO	A
Halogen, Total Organic (TOX)	39.5		ug/L	20.0	SW846 9020B	1	08/12/2026 17:30	PAG	K
Nitrate-N	2.8		mg/L	0.050	EPA 300.0	2	08/08/2026 12:15	AOO	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/08/2026 12:15	AOO	A
pH	7.34	2	pH_Units		SM4500HB-21	1	08/07/2026 18:47	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/11/2026 16:00	DJH	J
Specific Conductance	982		umhos/cm	5	SM2510B-21	1	08/10/2026 11:44	CMO	A
Sulfate	ND	ND	mg/L	0.50	EPA 300.0	2	08/08/2026 12:15	AOO	A
Total Dissolved Solids	542		mg/L	25	SM2540C-20	1	08/11/2026 18:40	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/12/2026 03:23	PAG	H
Turbidity	1.3		NTU	0.30	SM2130B-20	1	08/07/2026 14:42	NPF	A

Results

Client Sample ID	Trip Blank	Collected	08/06/2026 00:00
Lab Sample ID	3464489002	Lab Receipt	08/06/2026 14:30

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:05	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	85.9%	70 – 130	08/14/2026 14:05	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464489001	3088 River Road, Conestoga PA	Field	N/A	
		EPA 200.7	EPA ACID	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA TRMD	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464489002	Trip Blank	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464489001	3088 River Road, Conestoga PA	N/A	N/A	N/A		Field	
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		EPA TRMD	1566112	08/19/2026 18:42	ANA	EPA 200.7	1566178
		EPA TRMD	1565772	08/17/2026 18:33	ANA	EPA 200.7	1565862
		N/A	N/A	N/A		EPA 524.2	1565556
		N/A	N/A	N/A		EPA 300.0	1564725
		N/A	N/A	N/A		EPA 410.4	1565240
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564722
		N/A	N/A	N/A		SM2320B-21	1564750
		N/A	N/A	N/A		SM2510B-21	1564932
		N/A	N/A	N/A		SM2540C-20	1564993
		N/A	N/A	N/A		SM4500HB-21	1564750
		N/A	N/A	N/A		SM5310B-14	1565117
		N/A	N/A	N/A		SW846 9020B	1565234
3464489002	Trip Blank	N/A	N/A	N/A		EPA 524.2	1565556

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.

3464489
Logged By: T_H
PM: SIW

COC #:

ALS Quote #:

of

Client Name: LCSWMA Hans Weber and Deb Kalbach

Address: 3088 River Rd
Conestoga Pa 17516

Contact: Hans Weber and Deb Kalbach

Phone#: 717-419-7982

Project Name/#: LCSWMA Quarterly

Bill To: LCSWMA Hans Weber and Deb Kalbach

Purchase Order #:

TAT [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALS approval and surcharges.

Date Required: **Approved?**

Email? [ ]

	Container Type	AG	AN	AN	CG		P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
	Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP
	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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3088RIVERRD	8/6/26	08:30		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/6/26	NA		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: 352 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, 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

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
8/6/2026	14:00	1	ALS EP	2	ALS
	1430	3		4	
		5		6	
		7		8	
		9		10	

Data Deliverables

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

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 34644489

Temp °C 4 Therm ID 352 Ice? (Y) N N/A Initials & Date HLH 8-7-26

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:

_____

_____

_____

8/21/2026 2:49 PM

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

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

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

Project LCSWMA Quarterly
Workorder 3464146
Report ID 525033 on 8/14/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 04, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464146001	3100RIVERRD	Water	08/04/2026 13:30	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464146002	TRIP BLANK	Water	08/04/2026 00:00	08/04/2026 16:45	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 QC sample type LCSLOW for method EPA 524.2 was outside the control limits for the analyte Total Xylenes. The % Recovery was reported as 65.9 and the control limits were 70 to 130.
2	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
3	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.
4	The QC sample type MS for method SW846 9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 147 and the control limits were 90 to 110.

Detected Results Summary

Client Sample ID	3100RIVERRD	Collected	08/04/2026 13:30
Lab Sample ID	3464146001	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Dissolved Oxygen	3.13	mg/L	0.01	Field	#
Oxidation-Reduction Potential	184	mV		Field	#
pH, Field (SM4500B)	5.62	pH_Units		Field	#
Specific Conductance, Field	201	umhos/cm	1	Field	#
Temperature	23.85	Deg. C		Field	#
METALS					
Calcium, Dissolved	12.7	mg/L	0.10	EPA 200.7	#
Calcium, Total	13.0	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	6.8	mg/L	0.10	EPA 200.7	#
Magnesium, Total	7.2	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.012	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.012	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	1.6	mg/L	0.50	EPA 200.7	#
Potassium, Total	1.6	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	18.9	mg/L	0.50	EPA 200.7	#
Sodium, Total	19.1	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	12	mg/L	5	SM2320B-21	#
Alkalinity, Total	12	mg/L	5	SM2320B-21	#
Chloride	48.1	mg/L	0.50	EPA 300.0	#
Nitrate-N	5.4	mg/L	0.050	EPA 300.0	#
pH	6.29	pH_Units		SM4500HB-21	#
Specific Conductance	249	umhos/cm	5	SM2510B-21	#
Sulfate	4.5	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	170	mg/L	25	SM2540C-20	#
Turbidity	0.40	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3100RIVERRD	Collected	08/04/2026 13:30
Lab Sample ID	3464146001	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Dissolved Oxygen	3.13		mg/L	0.01	Field	1	08/04/2026 13:30	J_D	P
Oxidation-Reduction Potential	184		mV		Field	1	08/04/2026 13:30	J_D	P
pH, Field (SM4500B)	5.62		pH_Units		Field	1	08/04/2026 13:30	J_D	P
Specific Conductance, Field	201		umhos/cm	1	Field	1	08/04/2026 13:30	J_D	P
Temperature	23.85		Deg. C		Field	1	08/04/2026 13:30	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	12.7		mg/L	0.10	EPA 200.7	1	08/13/2026 13:38	AAJ	F
Calcium, Total	13.0		mg/L	0.050	EPA 200.7	1	08/10/2026 12:34	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 13:38	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/10/2026 12:34	AAJ	D1
Magnesium, Dissolved	6.8		mg/L	0.10	EPA 200.7	1	08/13/2026 13:38	AAJ	F
Magnesium, Total	7.2		mg/L	0.050	EPA 200.7	1	08/10/2026 12:34	AAJ	D1
Manganese, Dissolved	0.012		mg/L	0.0050	EPA 200.7	1	08/13/2026 13:38	AAJ	F
Manganese, Total	0.012		mg/L	0.0025	EPA 200.7	1	08/10/2026 12:34	AAJ	D1
Potassium, Dissolved	1.6		mg/L	0.50	EPA 200.7	1	08/13/2026 13:38	AAJ	F
Potassium, Total	1.6		mg/L	0.25	EPA 200.7	1	08/10/2026 12:34	AAJ	D1
Sodium, Dissolved	18.9		mg/L	0.50	EPA 200.7	1	08/13/2026 13:38	AAJ	F
Sodium, Total	19.1		mg/L	0.25	EPA 200.7	1	08/10/2026 12:34	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Total Xylenes	ND	ND,1	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 15:18	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	90%	70 – 130	08/12/2026 15:18	

Results

Client Sample ID	3100RIVERRD	Collected	08/04/2026 13:30
Lab Sample ID	3464146001	Lab Receipt	08/04/2026 16:45

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	12		mg/L	5	SM2320B-21	1	08/05/2026 18:01	CMO	A
Alkalinity, Total	12	2	mg/L	5	SM2320B-21	1	08/05/2026 18:01	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:50	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	C
Chloride	48.1		mg/L	0.50	EPA 300.0	2	08/05/2026 16:22	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/05/2026 16:22	J1W	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/05/2026 16:21	PAG	K
Nitrate-N	5.4		mg/L	0.050	EPA 300.0	2	08/05/2026 16:22	J1W	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/05/2026 16:22	J1W	A
pH	6.29	3	pH_Units		SM4500HB-21	1	08/05/2026 18:01	CMO	A
Phenolics	ND	ND,4	mg/L	0.005	EPA 420.4	1	08/11/2026 20:57	DJH	J
Specific Conductance	249		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	4.5		mg/L	0.50	EPA 300.0	2	08/05/2026 16:22	J1W	A
Total Dissolved Solids	170		mg/L	25	SM2540C-20	1	08/08/2026 14:30	BNM	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/07/2026 04:43	PAG	H
Turbidity	0.40		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	A

Results

Client Sample ID	TRIP BLANK	Collected	08/04/2026 00:00
Lab Sample ID	3464146002	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Total Xylenes	ND	ND,1	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/12/2026 16:50	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	92.4%	70 – 130	08/12/2026 16:50	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464146001	3100RIVERRD	Field	N/A	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA ACID	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464146002	TRIP BLANK	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464146001	3100RIVERRD	N/A	N/A	N/A		Field	
		EPA TRMD	1564751	08/07/2026 10:29	ANA	EPA 200.7	1564873
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		N/A	N/A	N/A		EPA 524.2	1565247
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564402
		N/A	N/A	N/A		SM2130B-20	1564331
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2510B-21	1564627
		N/A	N/A	N/A		SM2540C-20	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SM5310B-14	1564652
		N/A	N/A	N/A		SW846 9020B	1564341
3464146002	TRIP BLANK	N/A	N/A	N/A		EPA 524.2	1565247

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.

3464146
Logged By: MZP
PM: SIW

COC #:

ALS Quote #:

Client Name: LCSWMA Landowner

Address: 3100 River Rd, Conestoga Pa 17516

Contact: Ann Kirchner
Phone#: 717-584-0030
Project Name/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

TAT [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALS approval and surcharges.

Date Required: **Approved?**
Email? [ ]

Container Type	AG	AN	AN	CG		P	P	P	P	P
Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP

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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3100RIVERRD	8/4/26	13:30		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/4/26	na		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Receipt Information (completed by Receiving Lab)

Temp Taken By: Therm ID: 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, 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

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: PH-5.62 TEMP-23.85 SPC-201 DO-3.13 ORP-184

Date:	Time	Relinquished By / Company Name	Received By / Company Name
8/4/2026	16:45	1 ALS EP	2 MPtrs
		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 3464146

Temp °C 2° Therm ID 644 Ice? (Y) N N/A Initials & Date DB 8/19/26

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:

_____

_____

_____

8/14/2026 3:26 PM

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

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

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

Project LCSWMA Quarterly
Workorder 3464491
Report ID 526008 on 8/21/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 06, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464491001	3106 River Road, Conestoga, PA	Water	08/06/2026 08:50	08/06/2026 14:30	C	
3464491002	Trip Blank	Water	08/06/2026 00:00	08/06/2026 14:30	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 pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3106 River Road, Conestoga, PA	Collected	08/06/2026 08:50
Lab Sample ID	3464491001	Lab Receipt	08/06/2026 14:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	5.56	pH_Units		Field	#
Specific Conductance, Field	451	umhos/cm	1	Field	#
Temperature	17.80	Deg. C		Field	#
METALS					
Calcium, Dissolved	20.9	mg/L	0.10	EPA 200.7	#
Calcium, Total	21.1	mg/L	0.050	EPA 200.7	#
Magnesium, Dissolved	13.4	mg/L	0.10	EPA 200.7	#
Magnesium, Total	13.6	mg/L	0.050	EPA 200.7	#
Manganese, Dissolved	0.034	mg/L	0.0050	EPA 200.7	#
Manganese, Total	0.033	mg/L	0.0025	EPA 200.7	#
Potassium, Dissolved	1.9	mg/L	0.50	EPA 200.7	#
Potassium, Total	1.9	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	42.1	mg/L	0.50	EPA 200.7	#
Sodium, Total	42.9	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Total	15	mg/L	5	SM2320B-21	#
Chloride	110	mg/L	0.50	EPA 300.0	#
Nitrate-N	8.1	mg/L	0.050	EPA 300.0	#
pH	6.24	pH_Units		SM4500HB-21	#
Specific Conductance	503	umhos/cm	5	SM2510B-21	#
Sulfate	5.8	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	298	mg/L	25	SM2540C-20	#
Total Organic Carbon (TOC)	0.55	mg/L	0.50	SM5310B-14	#

Results

Client Sample ID	3106 River Road, Conestoga, PA	Collected	08/06/2026 08:50
Lab Sample ID	3464491001	Lab Receipt	08/06/2026 14:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	5.56		pH_Units		Field	1	08/06/2026 08:50	J_D	P
Specific Conductance, Field	451		umhos/cm	1	Field	1	08/06/2026 08:50	J_D	P
Temperature	17.80		Deg. C		Field	1	08/06/2026 08:50	J_D	P

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	20.9		mg/L	0.10	EPA 200.7	1	08/13/2026 14:16	AAJ	F
Calcium, Total	21.1		mg/L	0.050	EPA 200.7	1	08/20/2026 11:34	AAJ	D1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 14:16	AAJ	F
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/20/2026 11:34	AAJ	D1
Magnesium, Dissolved	13.4		mg/L	0.10	EPA 200.7	1	08/13/2026 14:16	AAJ	F
Magnesium, Total	13.6		mg/L	0.050	EPA 200.7	1	08/20/2026 11:34	AAJ	D1
Manganese, Dissolved	0.034		mg/L	0.0050	EPA 200.7	1	08/13/2026 14:16	AAJ	F
Manganese, Total	0.033		mg/L	0.0025	EPA 200.7	1	08/20/2026 11:34	AAJ	D1
Potassium, Dissolved	1.9		mg/L	0.50	EPA 200.7	1	08/13/2026 14:16	AAJ	F
Potassium, Total	1.9		mg/L	0.25	EPA 200.7	1	08/20/2026 11:34	AAJ	D1
Sodium, Dissolved	42.1		mg/L	0.50	EPA 200.7	1	08/13/2026 14:16	AAJ	F
Sodium, Total	42.9		mg/L	0.25	EPA 200.7	1	08/20/2026 11:34	AAJ	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 16:22	TMP	M

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	82%	70 – 130	08/17/2026 16:22	

WET CHEMISTRY

Results

Client Sample ID	3106 River Road, Conestoga, PA	Collected	08/06/2026 08:50
Lab Sample ID	3464491001	Lab Receipt	08/06/2026 14:30

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	08/07/2026 19:15	CMO	A
Alkalinity, Total	15	1	mg/L	5	SM2320B-21	1	08/07/2026 19:15	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/10/2026 18:16	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/12/2026 12:09	KMS	C
Chloride	110		mg/L	0.50	EPA 300.0	2	08/08/2026 12:43	AOO	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/08/2026 12:43	AOO	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/13/2026 18:57	PAG	K
Nitrate-N	8.1		mg/L	0.050	EPA 300.0	2	08/08/2026 12:43	AOO	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/08/2026 12:43	AOO	A
pH	6.24	2	pH_Units		SM4500HB-21	1	08/07/2026 19:15	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/11/2026 16:14	DJH	J
Specific Conductance	503		umhos/cm	5	SM2510B-21	1	08/10/2026 11:44	CMO	A
Sulfate	5.8		mg/L	0.50	EPA 300.0	2	08/08/2026 12:43	AOO	A
Total Dissolved Solids	298		mg/L	25	SM2540C-20	1	08/11/2026 18:40	RAG	A
Total Organic Carbon (TOC)	0.55		mg/L	0.50	SM5310B-14	1	08/12/2026 03:23	PAG	H
Turbidity	ND	ND	NTU	0.30	SM2130B-20	1	08/07/2026 14:42	NPF	A

Results

Client Sample ID	Trip Blank	Collected	08/06/2026 00:00
Lab Sample ID	3464491002	Lab Receipt	08/06/2026 14:30

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/17/2026 13:40	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	82.7%	70 – 130	08/17/2026 13:40	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464491001	3106 River Road, Conestoga, PA	Field	N/A	
		EPA 200.7	EPA ACID	
		EPA 200.7	EPA TRMD	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464491002	Trip Blank	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464491001	3106 River Road, Conestoga, PA	N/A	N/A	N/A		Field	
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		EPA TRMD	1565942	08/18/2026 18:30	ANA	EPA 200.7	1566095
		N/A	N/A	N/A		EPA 524.2	1565724
		N/A	N/A	N/A		EPA 300.0	1564725
		N/A	N/A	N/A		EPA 410.4	1565240
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564722
		N/A	N/A	N/A		SM2320B-21	1564750
		N/A	N/A	N/A		SM2510B-21	1564932
		N/A	N/A	N/A		SM2540C-20	1564993
		N/A	N/A	N/A		SM4500HB-21	1564750
		N/A	N/A	N/A		SM5310B-14	1565117
		N/A	N/A	N/A		SW846 9020B	1565389
3464491002	Trip Blank	N/A	N/A	N/A		EPA 524.2	1565724

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 #: 3464491
Logged By: T_H
PM: SIW
ALS Quote #:
of

Client Name: LCSWMA Aaron Fry

Address: 3106 River Rd
Conestoga Pa 17516

Contact: Aaron Fry
Phone#: 717-669-6831
Project Name/#: LCSWMA Quarterly
Bill To: LCSWMA Aaron Fry
Purchase Order #:

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

	Container Type	AG	AN	AN	CG		P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
	Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP
	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	TOX	O-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3106RIVERRD	8/6/26	08:50		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/6/26	NA		G	Di				2						
3																
4																
5																
6																
7																
8																
9																
10																

Receipt Information (completed by Receiving Lab)
Temp Taken By: Therm ID: 352 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, 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

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: PH-5.56 TEMP-17.8 SPC-451

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8/6/2026	14:20	1	ALS EP	2	[signature] ALS
	1430	3		4	
		5		6	
		7		8	
		9		10	

Data Deliverables

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

EDDs

[ ] Excel Summary	**Sample Disposal**		
[ ] Equis	Lab	[x]	
[ ] Custom	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 346491

Temp °C 4 Therm ID 352 Ice? (Y) N N/A Initials & Date HLH 8-7-26

Fedex UPS Client (ALS) Other Tracking #

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			X	
Sample Custody Seals present & intact			X	
Chain-of-Custody present	X			
Sample collector name present *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	X			
Trip blanks present (EPA 504, EPA 524)	X			
Field blanks present (Hg 1631, PFAS)			X	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			X	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

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

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

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

Project LCSWMA Quarterly
Workorder 3464490
Report ID 526021 on 8/21/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 06, 2026.

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

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

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

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

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

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

Stacey Welk

Stacey Welk *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3464490001	3125 River Road, Conestoga, PA	Water	08/06/2026 09:10	08/06/2026 14:30	C	
3464490002	Trip Blank	Water	08/06/2026 00:00	08/06/2026 14:30	C	
3464490003	Field Blank	Water	08/06/2026 09:15	08/06/2026 14:30	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 pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	3125 River Road, Conestoga, PA	Collected	08/06/2026 09:10
Lab Sample ID	3464490001	Lab Receipt	08/06/2026 14:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
pH, Field (SM4500B)	6.65	pH_Units		Field	#
Specific Conductance, Field	443	umhos/cm	1	Field	#
Temperature	19.00	Deg. C		Field	#
METALS					
Calcium, Total	0.051	mg/L	0.050	EPA 200.7	#
Potassium, Dissolved	0.77	mg/L	0.50	EPA 200.7	#
Potassium, Total	0.46	mg/L	0.25	EPA 200.7	#
Sodium, Dissolved	99.3	mg/L	0.50	EPA 200.7	#
Sodium, Total	99.3	mg/L	0.25	EPA 200.7	#
WET CHEMISTRY					
Alkalinity, Total	92	mg/L	5	SM2320B-21	#
Chloride	73.3	mg/L	0.50	EPA 300.0	#
Nitrate-N	4.8	mg/L	0.050	EPA 300.0	#
pH	7.11	pH_Units		SM4500HB-21	#
Specific Conductance	986	umhos/cm	5	SM2510B-21	#
Sulfate	8.4	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	250	mg/L	25	SM2540C-20	#
Turbidity	1.4	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	3125 River Road, Conestoga, PA	Collected	08/06/2026 09:10
Lab Sample ID	3464490001	Lab Receipt	08/06/2026 14:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
pH, Field (SM4500B)	6.65		pH_Units		Field	1	08/06/2026 09:10	J_D	L
Specific Conductance, Field	443		umhos/cm	1	Field	1	08/06/2026 09:10	J_D	L
Temperature	19.00		Deg. C		Field	1	08/06/2026 09:10	J_D	L

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Dissolved	ND	ND	mg/L	0.10	EPA 200.7	1	08/13/2026 14:01	AAJ	D
Calcium, Total	0.051		mg/L	0.050	EPA 200.7	1	08/18/2026 17:10	MSY	C1
Iron, Dissolved	ND	ND	mg/L	0.060	EPA 200.7	1	08/13/2026 14:01	AAJ	D
Iron, Total	ND	ND	mg/L	0.030	EPA 200.7	1	08/18/2026 17:10	MSY	C1
Magnesium, Dissolved	ND	ND	mg/L	0.10	EPA 200.7	1	08/13/2026 14:01	AAJ	D
Magnesium, Total	ND	ND	mg/L	0.050	EPA 200.7	1	08/20/2026 16:21	AAJ	C2
Manganese, Dissolved	ND	ND	mg/L	0.0050	EPA 200.7	1	08/13/2026 14:01	AAJ	D
Manganese, Total	ND	ND	mg/L	0.0025	EPA 200.7	1	08/18/2026 17:10	MSY	C1
Potassium, Dissolved	0.77		mg/L	0.50	EPA 200.7	1	08/13/2026 14:01	AAJ	D
Potassium, Total	0.46		mg/L	0.25	EPA 200.7	1	08/18/2026 17:10	MSY	C1
Sodium, Dissolved	99.3		mg/L	0.50	EPA 200.7	1	08/13/2026 14:01	AAJ	D
Sodium, Total	99.3		mg/L	0.25	EPA 200.7	1	08/18/2026 17:10	MSY	C1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 19:50	TMP	I

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	87%	70 – 130	08/14/2026 19:50	

WET CHEMISTRY

Results

Client Sample ID	3125 River Road, Conestoga, PA	Collected	08/06/2026 09:10
Lab Sample ID	3464490001	Lab Receipt	08/06/2026 14:30

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	08/07/2026 18:59	CMO	A
Alkalinity, Total	92	1	mg/L	5	SM2320B-21	1	08/07/2026 18:59	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/10/2026 18:13	AYS	B
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/12/2026 12:09	KMS	B
Chloride	73.3		mg/L	0.50	EPA 300.0	2	08/08/2026 12:29	AOO	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/08/2026 12:29	AOO	A
Halogen, Total Organic (TOX)	ND	ND	ug/L	20.0	SW846 9020B	1	08/12/2026 17:30	PAG	H
Nitrate-N	4.8		mg/L	0.050	EPA 300.0	2	08/08/2026 12:29	AOO	A
Nitrite-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/08/2026 12:29	AOO	A
pH	7.11	2	pH_Units		SM4500HB-21	1	08/07/2026 18:59	CMO	A
Phenolics	ND	ND	mg/L	0.005	EPA 420.4	1	08/11/2026 16:04	DJH	G
Specific Conductance	986		umhos/cm	5	SM2510B-21	1	08/10/2026 11:44	CMO	A
Sulfate	8.4		mg/L	0.50	EPA 300.0	2	08/08/2026 12:29	AOO	A
Total Dissolved Solids	250		mg/L	25	SM2540C-20	1	08/11/2026 18:40	RAG	A
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SM5310B-14	1	08/12/2026 03:23	PAG	E
Turbidity	1.4		NTU	0.30	SM2130B-20	1	08/07/2026 14:42	NPF	A

Results

Client Sample ID	Trip Blank	Collected	08/06/2026 00:00
Lab Sample ID	3464490002	Lab Receipt	08/06/2026 14:30

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:28	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	91.6%	70 – 130	08/14/2026 14:28	

Results

Client Sample ID	Field Blank	Collected	08/06/2026 09:15
Lab Sample ID	3464490003	Lab Receipt	08/06/2026 14:30

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Benzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Ethylbenzene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Methylene Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Tetrachloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Toluene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Total Xylenes	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Trichloroethene	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Trichlorofluoromethane	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A
Vinyl Chloride	ND	ND	ug/L	0.50	EPA 524.2	1	08/14/2026 14:51	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
4-Bromofluorobenzene	460-00-4	87.8%	70 – 130	08/14/2026 14:51	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464490001	3125 River Road, Conestoga, PA	Field	N/A	
		EPA 200.7	EPA ACID	
		EPA 200.7	EPA TRMD	
		EPA 200.7	EPA TRMD	
		EPA 524.2	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		EPA 420.4	SW846 9066	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9020B	N/A	
3464490002	Trip Blank	EPA 524.2	N/A	
3464490003	Field Blank	EPA 524.2	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464490001	3125 River Road, Conestoga, PA	N/A	N/A	N/A		Field	
		EPA ACID	1565427	08/13/2026 11:53	AAJ	EPA 200.7	1565428
		EPA TRMD	1566112	08/19/2026 18:42	ANA	EPA 200.7	1566178
		EPA TRMD	1565772	08/17/2026 18:33	ANA	EPA 200.7	1565862
		N/A	N/A	N/A		EPA 524.2	1565556
		N/A	N/A	N/A		EPA 300.0	1564725
		N/A	N/A	N/A		EPA 410.4	1565240
		SW846 9066	1564901	08/11/2026 09:24	DJH	EPA 420.4	1565065
		N/A	N/A	N/A		S4500NH3G-21	1564743
		N/A	N/A	N/A		SM2130B-20	1564722
		N/A	N/A	N/A		SM2320B-21	1564750
		N/A	N/A	N/A		SM2510B-21	1564932
		N/A	N/A	N/A		SM2540C-20	1564993
		N/A	N/A	N/A		SM4500HB-21	1564750
		N/A	N/A	N/A		SM5310B-14	1565117
		N/A	N/A	N/A		SW846 9020B	1565234
3464490002	Trip Blank	N/A	N/A	N/A		EPA 524.2	1565556
3464490003	Field Blank	N/A	N/A	N/A		EPA 524.2	1565556

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 #: 3464490
Logged By: T_H
PM: SIW
ALS Quote #:
of

Client Name: LCSWMA Christian C. Beck

Address: 3125 River Rd
Conestoga Pa 17516

Contact: Christian C Beck
Phone#: 717-871-0448
Project Name/#: LCSWMA Quarterly
Bill To: LCSWMA
Purchase Order #:

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

	Container Type	AG	AN	AN	CG		P	P	P	P	P
	Container Size	40ml	250ml	125ml	40ml		250ml	125ml	125ml	1L	500ml
	Preservative	HCL	H2SO4	H2SO4	ASCHCL		H2SO4	HNO3	HNO3	UNP	UNP

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	TOX	TO-OH	EPA 524.2 Form 52	FM	NH3-N, COD	Dissolved Metals Ca,Fe,Mg,Mn, K,Na	Metals Ca,Fe,Mg,Mn,K,Na	pH,TDS,NO2,NO3,Cl,SO4,F, SpC,Tb	Alkalinity, HCO3
							Enter Number of Containers Per Sample or Field Results Below.									
1	3125RIVERRD	8/6/26	09:10		G	DW	2	2	1	3	x	1	2	2	1	1
2	Trip Blank	8/6/26	NA		G	Di				2						
3	Field Blank	8/6/26	0915		G	Di				2						
4			JKH 8-6-26													
5																
6																
7																
8																
9																
10																

Receipt Information (completed by Receiving Lab)
Temp Taken By: Therm ID: 352 WO Temp (°C) 5

Receipt Info completed by: _____ WV Containers 0-6°C Y N NA

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

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, list below:

Client contact:
Date/Tech:

Sample(s) for Radiation testing? Y N
Reportable SDWA Sample(s)? Y N
SDWA State of Origin? _____
PWSID # __

Rad Screen (uCi)_____
New Source? Y N
New Source Contact:

PWS Contact:_____ PWS Phone #:_____

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

Sample/COC Remarks

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

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

Comments: PH-6.65 TEMP-19.0 SPC-443

Date:	Time		Relinquished By / Company Name		Received By / Company Name
8/6/2026	14:30	1	ALS EP	2	ALS
		3		4	
		5		6	
		7		8	
		9		10	

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

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 3464490

Temp °C 5 Therm ID 352 Ice? (Y) N N/A Initials & Date HLH 8-7-26

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.*		✱		PM
COC/bottle labels complete & in agreement		✱		
•Sample location				
•Date and time of sample collection		✱		UC
•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:

_____

_____

_____