2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP002W — X Well ___ Spring ___ Stream ___ Other

X Upgradient/Upstream ___ Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 32.25 " — Longitude: 76 ° 27 ' 24.03 "

Depth to Water Level: 69.4 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.60 ft — Elevation of Water Level: 543.8 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 147.16 gal

Total Well Depth: 169.6 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

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

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/3/2026 — Sample Collection Time: 11:12

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464048003 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP002W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	5 ND	SM20-2320B
CALCIUM, TOTAL	16.1	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	15.2	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	7	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	210	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	15.1	EPA 300
pH-FIELD (SU)	4.47	FIELD
pH-LAB (SU)	5.13	SM20-4500HB
POTASSIUM, TOTAL	1.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	13	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	212	FIELD
SPEC. COND., LAB (umhos/cm)	247	SW846 9050A
SULFATE	15.9	EPA 300
ALKALINITY	5 ND	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	165	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.53	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.5	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP002W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP031W — X Well ___ Spring ___ Stream ___ Other

X Upgradient/Upstream ___ Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 31.2 " — Longitude: 76 ° 27 ' 23.53 "

Depth to Water Level: 70.15 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.38 ft — Elevation of Water Level: 542.51 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 102.59 gal

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

Well Purged: X Yes ___ No — Well Volumes Purged: 0.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/3/2026 — Sample Collection Time: 11:04

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464048004 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP031W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	119	SM20-2320B
CALCIUM, TOTAL	69.2	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	21.8	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	4.5	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	400	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.7	EPA 300
pH-FIELD (SU)	7.58	FIELD
pH-LAB (SU)	7.94	SM20-4500HB
POTASSIUM, TOTAL	1.5	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	8.8	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	347	FIELD
SPEC. COND., LAB (umhos/cm)	427	SW846 9050A
SULFATE	49.3	EPA 300
ALKALINITY	119	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	210	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	1.5	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP031W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP015W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 36.43 " — Longitude: 76 ° 27 ' 10.82 "

Depth to Water Level: 64.85 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.90 ft — Elevation of Water Level: 511.55 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 123.44 gal

Total Well Depth: 148.9 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.0

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/3/2026 — Sample Collection Time: 12:34

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464048005 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP015W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	50	SM20-2320B
CALCIUM, TOTAL	32.7	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	29.2	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	18.1	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	5.6 ND	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	18	EPA 300
pH-FIELD (SU)	5.83	FIELD
pH-LAB (SU)	6.71	SM20-4500HB
POTASSIUM, TOTAL	1.9	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	17.6	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	404	FIELD
SPEC. COND., LAB (umhos/cm)	434	SW846 9050A
SULFATE	26.5	EPA 300
ALKALINITY	50	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	246	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.9	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	1.1	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP015W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP032W — X Well ___ Spring ___ Stream ___ Other

X Upgradient/Upstream ___ Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 33.45 " — Longitude: 76 ° 27 ' 17.71 "

Depth to Water Level: 50.71 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.06 ft — Elevation of Water Level: 543.38 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 35.67 gal

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

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

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/3/2026 — Sample Collection Time: 13:29

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464048006 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP032W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.29	D6919-09
BICARBONATE ALKALINITY	54	SM20-2320B
CALCIUM, TOTAL	21.1	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	45.1	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	10300	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	8.4	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	980	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.29	EPA 300
pH-FIELD (SU)	7.15	FIELD
pH-LAB (SU)	7.14	SM20-4500HB
POTASSIUM, TOTAL	1.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	15.3	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	261	FIELD
SPEC. COND., LAB (umhos/cm)	274	SW846 9050A
SULFATE	0.5 ND	EPA 300
ALKALINITY	54	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	127	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	140	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP032W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP035W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 15.95 " — Longitude: 76 ° 26 ' 57.26 "

Depth to Water Level: 43.38 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.45 ft — Elevation of Water Level: 434.18 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 39.10 gal

Total Well Depth: 70 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/3/2026 — Sample Collection Time: 15:22

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464048007 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP035W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	138	SM20-2320B
CALCIUM, TOTAL	101	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	145	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	16.3	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	38	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	5.8	EPA 300
pH-FIELD (SU)	6.64	FIELD
pH-LAB (SU)	7.07	SM20-4500HB
POTASSIUM, TOTAL	2.7	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	46.3	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	822	FIELD
SPEC. COND., LAB (umhos/cm)	912	SW846 9050A
SULFATE	43.6	EPA 300
ALKALINITY	138	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	576	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.93	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.85	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP035W
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP02DW — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 27.74 " — Longitude: 76 ° 27 ' 1.49 "

Depth to Water Level: 19.49 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: 490.11 ft./MSL

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

Total Well Depth: 152 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/3/2026 — Sample Collection Time: 14:57

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464048008 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP02DW
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	128	SM20-2320B
CALCIUM, TOTAL	115	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	118	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	1500	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	18.3	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	270	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	4.2	EPA 300
pH-FIELD (SU)	7.25	FIELD
pH-LAB (SU)	7.9	SM20-4500HB
POTASSIUM, TOTAL	1.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	125	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1319	FIELD
SPEC. COND., LAB (umhos/cm)	1390	SW846 9050A
SULFATE	41.6	EPA 300
ALKALINITY	128	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	878	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.89	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	16	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP02DW
Sample Date	8/3/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP038W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 10.18 " — Longitude: 76 ° 27 ' 2.2 "

Depth to Water Level: 15.78 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.15 ft — Elevation of Water Level: 438.26 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 50.26 gal

Total Well Depth: 50 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.0

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 8:49

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145001 — Final Lab Analysis CompletionDate: 8/21/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP038W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.19	D6919-09
BICARBONATE ALKALINITY	79	SM20-2320B
CALCIUM, TOTAL	85.7	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	281	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	10700	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	29.2	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	1300	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.51	EPA 300
pH-FIELD (SU)	6.55	FIELD
pH-LAB (SU)	6.91	SM20-4500HB
POTASSIUM, TOTAL	7.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	81.8	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1059	FIELD
SPEC. COND., LAB (umhos/cm)	1160	SW846 9050A
SULFATE	21.7	EPA 300
ALKALINITY	79	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	770	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.2	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	75	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP038W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP039W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 10.38 " — Longitude: 76 ° 27 ' 2.83 "

Depth to Water Level: 22.32 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.04 ft — Elevation of Water Level: 433.14 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 158.14 gal

Total Well Depth: 130 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.0

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 9:39

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145002 — Final Lab Analysis CompletionDate: 8/21/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP039W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	81	SM20-2320B
CALCIUM, TOTAL	73	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	98.3	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	2900	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	6.5	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	72	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	7.8	FIELD
pH-LAB (SU)	8.06	SM20-4500HB
POTASSIUM, TOTAL	1.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	12.9	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	472	FIELD
SPEC. COND., LAB (umhos/cm)	531	SW846 9050A
SULFATE	13.3	EPA 300
ALKALINITY	81	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	388	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	17	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP039W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
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Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP26RW — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 11.03 " — Longitude: 76 ° 27 ' 20.3 "

Depth to Water Level: 84.07 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 3.30 ft — Elevation of Water Level: 463.33 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 43.96 gal

Total Well Depth: 114 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 10:03

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145003 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP26RW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	56	SM20-2320B
CALCIUM, TOTAL	99.3	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	259	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	25	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	660	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	2.4	EPA 300
pH-FIELD (SU)	5.6	FIELD
pH-LAB (SU)	6.14	SM20-4500HB
POTASSIUM, TOTAL	9.2	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	81.8	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	927	FIELD
SPEC. COND., LAB (umhos/cm)	1200	SW846 9050A
SULFATE	83.7	EPA 300
ALKALINITY	56	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	818	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.8	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	1.8	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP26RW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP005W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 10.67 " — Longitude: 76 ° 27 ' 21.3 "

Depth to Water Level: 74.22 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.70 ft — Elevation of Water Level: 463.18 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 111.29 gal

Total Well Depth: 150 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.0

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 10:46

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145004 — Final Lab Analysis CompletionDate: 8/21/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP005W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	60	SM20-2320B
CALCIUM, TOTAL	92	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	211	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	21.9	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	140	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	2.2	EPA 300
pH-FIELD (SU)	5.58	FIELD
pH-LAB (SU)	6.33	SM20-4500HB
POTASSIUM, TOTAL	3.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	56.4	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	907	FIELD
SPEC. COND., LAB (umhos/cm)	983	SW846 9050A
SULFATE	68.5	EPA 300
ALKALINITY	60	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	650	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.4	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.4	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP005W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

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Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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Monitoring Point Number: FFMP04AW — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 15.4 " — Longitude: 76 ° 27 ' 26.58 "

Depth to Water Level: 37.4 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.52 ft — Elevation of Water Level: 523.32 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 387.90 gal

Total Well Depth: 301.52 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 12:34

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145005 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP04AW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	184	SM20-2320B
CALCIUM, TOTAL	157	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	324	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	26.8	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	660	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.47	EPA 300
pH-FIELD (SU)	7.07	FIELD
pH-LAB (SU)	7.57	SM20-4500HB
POTASSIUM, TOTAL	3.3	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	95.1	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1335	FIELD
SPEC. COND., LAB (umhos/cm)	1490	SW846 9050A
SULFATE	60.6	EPA 300
ALKALINITY	184	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	970	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.83	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	1.3	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP04AW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP30RW — [X] Well [ ] Spring [ ] Stream [ ] Other

[ ] Upgradient/Upstream [X] Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 15.52 " — Longitude: 76 ° 27 ' 26.8 "

Depth to Water Level: 36.75 ft — Measured from: [ ] Land Surface [X] TOC

Casing Stickup: 2.20 ft — Elevation of Water Level: 525.55 ft./MSL

Sampling Depth: ft — Volume of Water Column: 78.21 gal

Total Well Depth: 90 ft — Sampling Method: [X] Pumped [ ] Bailed [ ] Grab

Well Purged: [X] Yes [ ] No — Well Volumes Purged: 0.1

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

Spring Flow Rate: gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 13:10

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145006 — Final Lab Analysis CompletionDate: 8/17/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP30RW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	53	SM20-2320B
CALCIUM, TOTAL	75.3	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	348	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	21.2	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	3300	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	4.8	EPA 300
pH-FIELD (SU)	5.62	FIELD
pH-LAB (SU)	6.56	SM20-4500HB
POTASSIUM, TOTAL	12.4	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	174	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1208	FIELD
SPEC. COND., LAB (umhos/cm)	1510	SW846 9050A
SULFATE	74.1	EPA 300
ALKALINITY	53	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	904	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.2	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.6	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP30RW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

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SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP036W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 16.03 " — Longitude: 76 ° 26 ' 57.28 "

Depth to Water Level: 44.41 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.91 ft — Elevation of Water Level: 433.82 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 140.39 gal

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

Well Purged: X Yes ___ No — Well Volumes Purged: 0.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 15:19

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145007 — Final Lab Analysis CompletionDate: 8/21/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP036W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	144	SM20-2320B
CALCIUM, TOTAL	76.6	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	43.9	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	970	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	7.8	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	140	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	7.87	FIELD
pH-LAB (SU)	8.18	SM20-4500HB
POTASSIUM, TOTAL	1.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	19	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	446	FIELD
SPEC. COND., LAB (umhos/cm)	514	SW846 9050A
SULFATE	49.2	EPA 300
ALKALINITY	144	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	326	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.58	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	12	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP036W
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

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Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP03AW — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 24.05 " — Longitude: 76 ° 27 ' 30.58 "

Depth to Water Level: 53.66 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.20 ft — Elevation of Water Level: 537.24 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 137.38 gal

Total Well Depth: 147.2 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 0.0

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/4/2026 — Sample Collection Time: 13:31

Sample Collector's Name: Evan M Poe

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464145008 — Final Lab Analysis CompletionDate: 8/21/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP03AW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	65	SM20-2320B
CALCIUM, TOTAL	44.2	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	62.2	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	19	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	24	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	18.5	EPA 300
pH-FIELD (SU)	5.75	FIELD
pH-LAB (SU)	6.41	SM20-4500HB
POTASSIUM, TOTAL	1.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	18.9	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	432	FIELD
SPEC. COND., LAB (umhos/cm)	510	SW846 9050A
SULFATE	2.2	EPA 300
ALKALINITY	65	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	342	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.52	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.6	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP03AW
Sample Date	8/4/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP034W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: ___

Sampling Point — Latitude: ___ ° ___ ' ___ " — Longitude: ___ ° ___ ' ___ "

Depth to Water Level: 10.75 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: 462.13 ft./MSL

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

Total Well Depth: 121 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

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

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/5/2026 — Sample Collection Time: 10:25

Sample Collector's Name: Client

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464327001 — Final Lab Analysis CompletionDate: 8/27/2026

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP034W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	37	SM20-2320B
CALCIUM, TOTAL	49.3	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	139	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	710	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	19.7	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	87	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	10.7	EPA 300
pH-FIELD (SU)	5.82	FIELD
pH-LAB (SU)	6.28	SM20-4500HB
POTASSIUM, TOTAL	2.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	42.1	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	592	FIELD
SPEC. COND., LAB (umhos/cm)	743	SW846 9050A
SULFATE	29.9	EPA 300
ALKALINITY	37	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	696	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.7	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	3.2	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP034W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP033W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 31.09 " — Longitude: 76 ° 27 ' 4.98 "

Depth to Water Level: 20.7 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 0.49 ft — Elevation of Water Level: 495.82 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 110.59 gal

Total Well Depth: 96 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 1.8

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/5/2026 — Sample Collection Time: 10:25

Sample Collector's Name: Client

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464327002 — Final Lab Analysis CompletionDate: 8/27/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP033W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.23	D6919-09
BICARBONATE ALKALINITY	34	SM20-2320B
CALCIUM, TOTAL	37.8	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	90.1	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	4800	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	14.2	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	240	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	10	EPA 300
pH-FIELD (SU)	5.74	FIELD
pH-LAB (SU)	6.26	SM20-4500HB
POTASSIUM, TOTAL	2	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	19.9	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	428	FIELD
SPEC. COND., LAB (umhos/cm)	497	SW846 9050A
SULFATE	11.5	EPA 300
ALKALINITY	34	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	308	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	5.2	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP033W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP029W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 12.93 " — Longitude: 76 ° 27 ' 0.67 "

Depth to Water Level: 41.7 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.00 ft — Elevation of Water Level: 435.6 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 24.67 gal

Total Well Depth: 58.5 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 2.6

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/5/2026 — Sample Collection Time: 11:37

Sample Collector's Name: Client

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464327003 — Final Lab Analysis CompletionDate: 8/27/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP029W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1	D6919-09
BICARBONATE ALKALINITY	10	SM20-2320B
CALCIUM, TOTAL	13	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	61.2	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	560 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	9.9	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	56 ND	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	3.5	EPA 300
pH-FIELD (SU)	5.29	FIELD
pH-LAB (SU)	5.87	SM20-4500HB
POTASSIUM, TOTAL	1.9	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	15.9	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	201	FIELD
SPEC. COND., LAB (umhos/cm)	273	SW846 9050A
SULFATE	1.8	EPA 300
ALKALINITY	10	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	178	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	6.2	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP029W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP017W — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

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

Sampling Point — Latitude: 39 ° 57 ' 8.5 " — Longitude: 76 ° 27 ' 6.17 "

Depth to Water Level: 41.5 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.00 ft — Elevation of Water Level: 439.20 ft./MSL

Sampling Depth: ___ ft — Volume of Water Column: 160.08 gal

Total Well Depth: 150.5 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

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

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/5/2026 — Sample Collection Time: 13:31

Sample Collector's Name: Client

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464327004 — Final Lab Analysis CompletionDate: 8/27/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP017W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	1.31	D6919-09
BICARBONATE ALKALINITY	113	SM20-2320B
CALCIUM, TOTAL	278	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	17	EPA 410.4
CHLORIDE	1150	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	560 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	70.7	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	7100	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.65	EPA 300
pH-FIELD (SU)	6.34	FIELD
pH-LAB (SU)	6.9	SM20-4500HB
POTASSIUM, TOTAL	43.5	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	396	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	3604	FIELD
SPEC. COND., LAB (umhos/cm)	4240	SW846 9050A
SULFATE	153	EPA 300
ALKALINITY	113	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	2750	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	4.6	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.85	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP017W
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
10/08/2026
DEP USE ONLY
Date Received

FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

SECTION A. APPLICANT IDENTIFIER

Applicant/permittee: Lancaster County Solid Waste Mana

Site Name: Frey Farm Landfill

Facitlity ID (as issued by DEP): 101389

SECTION B. FACILITY INFORMATION

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

Monitoring Point Number: FFMP02SW — X Well ___ Spring ___ Stream ___ Other

___ Upgradient/Upstream X Downgradient/Downstream

Location (County): Lancaster County — Municipality: MANOR TOWNSHIP

Sampling Point — Latitude: 39 ° 57 ' 27.9 " — Longitude: 76 ° 27 ' 1.58 "

Depth to Water Level: 15.95 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: 493.95 ft./MSL

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

Total Well Depth: 25 ft — Sampling Method: X Pumped ___ Bailed ___ Grab

Well Purged: X Yes ___ No — Well Volumes Purged: 2.1

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

Spring Flow Rate: __gpm

Sample Date (mm/dd/yy): 8/5/2026 — Sample Collection Time: 16:50

Sample Collector's Name: Client

Sample Collector's Affiliation: ALS

Laboratory(ies) Performing Analysis: ALS Environmental

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

Lab Accreditation Number(s): 22-293

Lab Sample Number(s): 3464587001 — Final Lab Analysis CompletionDate: 8/18/2026

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP02SW
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

ANALYTES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
AMMONIA-NITROGEN	0.1 ND	D6919-09
BICARBONATE ALKALINITY	34	SM20-2320B
CALCIUM, TOTAL	24.3	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	51.8	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	8	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	5.8	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	0.05 ND	EPA 300
pH-FIELD (SU)	6.05	FIELD
pH-LAB (SU)	6.33	SM20-4500HB
POTASSIUM, TOTAL	3.8	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	42	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	125	FIELD
SPEC. COND., LAB (umhos/cm)	470	SW846 9050A
SULFATE	40.6	EPA 300
ALKALINITY	34	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	268	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.5	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	4.3	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP02SW
Sample Date	8/5/2026

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

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

T Please indicate detection limit if analyte is not detected.

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 www.alsglobal.com
Associated Site: 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 Frey Farm Quarterly GWMP
Workorder 3464048
Report ID 526571 on 8/26/2026

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Aug 03, 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
3464048002	FIELD BLANK	Ground Water	08/03/2026 09:00	08/03/2026 16:30	EMP	ALS Environmental-Middletown
3464048003	FFMP002W	Ground Water	08/03/2026 11:12	08/03/2026 16:30	EMP	ALS Environmental-Middletown
3464048004	FFMP031W	Ground Water	08/03/2026 11:04	08/03/2026 16:30	EMP	ALS Environmental-Middletown
3464048005	FFMP015W	Ground Water	08/03/2026 12:34	08/03/2026 16:30	EMP	ALS Environmental-Middletown
3464048006	FFMP032W	Ground Water	08/03/2026 13:29	08/03/2026 16:30	EMP	ALS Environmental-Middletown
3464048007	FFMP035W	Ground Water	08/03/2026 15:22	08/03/2026 16:30	EMP	ALS Environmental-Middletown
3464048008	FFMP02DW	Ground Water	08/03/2026 14:57	08/03/2026 16:30	EMP	ALS Environmental-Middletown

Reference

Notes

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

Standard Acronyms/Flags

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

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
3	The QC sample type MS for method EPA 350.1 was outside the control limits for the analyte Ammonia-N, Low Level. The % Recovery was reported as 188 and the control limits were 80 to 120.
4	The QC sample type DUP for method SM2540C-20 was outside the control limits for the analyte Total Dissolved Solids. The RPD was reported as 5.73 and the upper control limit is 5.

Detected Results Summary

Client Sample ID	FIELD BLANK	Collected	08/03/2026 09:00
Lab Sample ID	3464048002	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
METALS					
Manganese, Total	0.0072	mg/L	0.0056	SW846 6010C	#
WET CHEMISTRY					
pH	5.90	pH_Units		SM4500HB-21	#
Turbidity	0.65	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP002W	Collected	08/03/2026 11:12
Lab Sample ID	3464048003	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	69.40	Feet		Field	#
Dissolved Oxygen	4.96	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	613.20	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	543.80	ft/MSL		Field	#
Oxidation-Reduction Potential	260	mV		Field	#
pH, Field (SM4500B)	4.47	pH_Units		Field	#
Sample Depth	85.00	Feet		Field	#
Specific Conductance, Field	212	umhos/cm	1	Field	#
Temperature	15.35	Deg. C		Field	#
Total Well Depth	90.02	Feet		Field	#
Turbidity, Field	11	NTU	1	Field	#
Volume in Water Column	30.31	Gallons		Field	#
Water Level After Purge	77.73	Feet		Field	#
Well Volumes Purged	0.30	Vol		Field	#
METALS					
Calcium, Total	16.1	mg/L	0.11	SW846 6010C	#
Magnesium, Total	7.0	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.21	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	13.0	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Chloride	15.2	mg/L	0.50	EPA 300.0	#
Nitrate-N	15.1	mg/L	0.050	EPA 300.0	#
pH	5.13	pH_Units		SM4500HB-21	#
Specific Conductance	247	umhos/cm	5	SW846 9050A	#
Sulfate	15.9	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	165	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.53	mg/L	0.50	SW846 9060A	#
Turbidity	0.50	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP031W	Collected	08/03/2026 11:04
Lab Sample ID	3464048004	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	70.15	Feet		Field	#
Dissolved Oxygen	0.27	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	612.66	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	542.51	ft/MSL		Field	#
Oxidation-Reduction Potential	213	mV		Field	#
pH, Field (SM4500B)	7.58	pH_Units		Field	#
Sample Depth	130.00	Feet		Field	#
Specific Conductance, Field	347	umhos/cm	1	Field	#
Temperature	16.07	Deg. C		Field	#
Total Well Depth	152.70	Feet		Field	#
Turbidity, Field	543	NTU	1	Field	#
Volume in Water Column	121.35	Gallons		Field	#
Water Level After Purge	75.00	Feet		Field	#
Well Volumes Purged	0.07	Vol		Field	#
METALS					
Calcium, Total	69.2	mg/L	0.11	SW846 6010C	#
Magnesium, Total	4.5	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.40	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.5	mg/L	0.56	SW846 6010C	#
Sodium, Total	8.8	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	119	mg/L	5	SM2320B-21	#
Alkalinity, Total	119	mg/L	5	SM2320B-21	#
Chloride	21.8	mg/L	0.50	EPA 300.0	#
Nitrate-N	0.70	mg/L	0.050	EPA 300.0	#
pH	7.94	pH_Units		SM4500HB-21	#
Specific Conductance	427	umhos/cm	5	SW846 9050A	#
Sulfate	49.3	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	210	mg/L	25	SM2540C-15	#
Turbidity	1.5	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP015W	Collected	08/03/2026 12:34
Lab Sample ID	3464048005	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	64.85	Feet		Field	#
Dissolved Oxygen	6.34	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	576.40	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	511.55	ft/MSL		Field	#
Oxidation-Reduction Potential	203	mV		Field	#
pH, Field (SM4500B)	5.83	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	404	umhos/cm	1	Field	#
Temperature	15.48	Deg. C		Field	#
Total Well Depth	149.90	Feet		Field	#
Turbidity, Field	47	NTU	1	Field	#
Volume in Water Column	125.02	Gallons		Field	#
Water Level After Purge	66.21	Feet		Field	#
Well Volumes Purged	0.03	Vol		Field	#
METALS					
Calcium, Total	32.7	mg/L	0.11	SW846 6010C	#
Magnesium, Total	18.1	mg/L	0.11	SW846 6010C	#
Potassium, Total	1.9	mg/L	0.56	SW846 6010C	#
Sodium, Total	17.6	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	50	mg/L	5	SM2320B-21	#
Alkalinity, Total	50	mg/L	5	SM2320B-21	#
Chloride	29.2	mg/L	0.50	EPA 300.0	#
Nitrate-N	18.0	mg/L	0.050	EPA 300.0	#
pH	6.71	pH_Units		SM4500HB-21	#
Specific Conductance	434	umhos/cm	5	SW846 9050A	#
Sulfate	26.5	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	246	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.90	mg/L	0.50	SW846 9060A	#
Turbidity	1.1	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP032W	Collected	08/03/2026 13:29
Lab Sample ID	3464048006	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	50.71	Feet		Field	#
Dissolved Oxygen	0.22	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	594.09	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	543.38	ft/MSL		Field	#
Oxidation-Reduction Potential	-176	mV		Field	#
pH, Field (SM4500B)	7.15	pH_Units		Field	#
Sample Depth	62.00	Feet		Field	#
Specific Conductance, Field	261	umhos/cm	1	Field	#
Temperature	17.17	Deg. C		Field	#
Total Well Depth	77.60	Feet		Field	#
Turbidity, Field	181	NTU	1	Field	#
Volume in Water Column	39.53	Gallons		Field	#
Water Level After Purge	53.25	Feet		Field	#
Well Volumes Purged	0.23	Vol		Field	#
METALS					
Calcium, Total	21.1	mg/L	0.11	SW846 6010C	#
Iron, Total	10.3	mg/L	0.067	SW846 6010C	#
Magnesium, Total	8.4	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.98	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	15.3	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	54	mg/L	5	SM2320B-21	#
Alkalinity, Total	54	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.29	mg/L	0.10	S4500NH3G-21	#
Chloride	45.1	mg/L	0.50	EPA 300.0	#
Nitrate-N	0.29	mg/L	0.050	EPA 300.0	#
pH	7.14	pH_Units		SM4500HB-21	#
Specific Conductance	274	umhos/cm	5	SW846 9050A	#
Total Dissolved Solids	127	mg/L	25	SM2540C-15	#
Turbidity	140	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP035W	Collected	08/03/2026 15:22
Lab Sample ID	3464048007	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	43.38	Feet		Field	#
Dissolved Oxygen	0.25	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	477.56	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	434.18	ft/MSL		Field	#
Oxidation-Reduction Potential	140	mV		Field	#
pH, Field (SM4500B)	6.64	pH_Units		Field	#
Sample Depth	65.00	Feet		Field	#
Specific Conductance, Field	822	umhos/cm	1	Field	#
Temperature	14.58	Deg. C		Field	#
Total Well Depth	71.80	Feet		Field	#
Turbidity, Field	1	NTU	1	Field	#
Volume in Water Column	41.78	Gallons		Field	#
Water Level After Purge	45.03	Feet		Field	#
Well Volumes Purged	0.05	Vol		Field	#
METALS					
Calcium, Total	101	mg/L	0.11	SW846 6010C	#
Magnesium, Total	16.3	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.038	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.7	mg/L	0.56	SW846 6010C	#
Sodium, Total	46.3	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	138	mg/L	5	SM2320B-21	#
Alkalinity, Total	138	mg/L	5	SM2320B-21	#
Chloride	145	mg/L	1.3	EPA 300.0	#
Nitrate-N	5.8	mg/L	0.13	EPA 300.0	#
pH	7.07	pH_Units		SM4500HB-21	#
Specific Conductance	912	umhos/cm	5	SW846 9050A	#
Sulfate	43.6	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	576	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.93	mg/L	0.50	SW846 9060A	#
Turbidity	0.85	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP02DW	Collected	08/03/2026 14:57
Lab Sample ID	3464048008	Lab Receipt	08/03/2026 16:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	19.49	Feet		Field	#
Dissolved Oxygen	0.22	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	509.60	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	490.11	ft/MSL		Field	#
Oxidation-Reduction Potential	118	mV		Field	#
pH, Field (SM4500B)	7.25	pH_Units		Field	#
Sample Depth	120.00	Feet		Field	#
Specific Conductance, Field	1319	umhos/cm	1	Field	#
Temperature	14.97	Deg. C		Field	#
Total Well Depth	153.00	Feet		Field	#
Turbidity, Field	262	NTU	1	Field	#
Volume in Water Column	196.26	Gallons		Field	#
Water Level After Purge	26.63	Feet		Field	#
Well Volumes Purged	0.05	Vol		Field	#
METALS					
Calcium, Total	115	mg/L	0.11	SW846 6010C	#
Iron, Total	1.5	mg/L	0.067	SW846 6010C	#
Magnesium, Total	18.3	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.27	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	125	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	128	mg/L	5	SM2320B-21	#
Alkalinity, Total	128	mg/L	5	SM2320B-21	#
Chloride	118	mg/L	0.50	EPA 300.0	#
Nitrate-N	4.2	mg/L	0.050	EPA 300.0	#
pH	7.90	pH_Units		SM4500HB-21	#
Specific Conductance	1390	umhos/cm	5	SW846 9050A	#
Sulfate	41.6	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	878	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.89	mg/L	0.50	SW846 9060A	#
Turbidity	16	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	FIELD BLANK	Collected	08/03/2026 09:00
Lab Sample ID	3464048002	Lab Receipt	08/03/2026 16:30

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	ND	ND	mg/L	0.11	SW846 6010C	1	08/17/2026 14:01	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:01	MSY	K1
Magnesium, Total	ND	ND	mg/L	0.11	SW846 6010C	1	08/17/2026 14:01	MSY	K1
Manganese, Total	0.0072		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:01	MSY	K1
Potassium, Total	ND	ND	mg/L	0.56	SW846 6010C	1	08/17/2026 14:01	MSY	K1
Sodium, Total	ND	ND	mg/L	0.56	SW846 6010C	1	08/17/2026 14:01	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 15:04	CMQ	H

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	62 – 133	08/04/2026 15:04	
4-Bromofluorobenzene	460-00-4	105%	79 – 114	08/04/2026 15:04	
Dibromofluoromethane	1868-53-7	101%	78 – 116	08/04/2026 15:04	
Toluene-d8	2037-26-5	106%	76 – 127	08/04/2026 15:04	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	08/05/2026 11:44	CMO	B
Alkalinity, Total	ND	ND,1	mg/L	5	SM2320B-21	1	08/05/2026 11:44	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:00	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	ND	ND	mg/L	0.50	EPA 300.0	2	08/04/2026 13:12	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/04/2026 13:12	J1W	B
Nitrate-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/04/2026 13:12	J1W	B
pH	5.90	2	pH_Units		SM4500HB-21	1	08/05/2026 11:44	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 17:34	DJH	G

Results

Client Sample ID	FIELD BLANK	Collected	08/03/2026 09:00
Lab Sample ID	3464048002	Lab Receipt	08/03/2026 16:30

WET CHEMISTRY (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Specific Conductance	ND	ND	umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	ND	ND	mg/L	0.50	EPA 300.0	2	08/04/2026 13:12	J1W	B
Total Dissolved Solids	ND	ND	mg/L	25	SM2540C-15	1	08/05/2026 14:40	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	0.65		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Results

Client Sample ID	FFMP002W	Collected	08/03/2026 11:12
Lab Sample ID	3464048003	Lab Receipt	08/03/2026 16:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	69.40		Feet		Field	1	08/03/2026 11:12	EMP	D
Dissolved Oxygen	4.96		mg/L	0.01	Field	1	08/03/2026 11:12	EMP	D
Elev Top MW Casing above MSL	613.20		Feet		Field	1	08/03/2026 11:12	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/03/2026 11:12	EMP	D
Ground Water Elevation	543.80		ft/MSL		Field	1	08/03/2026 11:12	EMP	D
Oxidation-Reduction Potential	260		mV		Field	1	08/03/2026 11:12	EMP	D
pH, Field (SM4500B)	4.47		pH_Units		Field	1	08/03/2026 11:12	EMP	D
Sample Depth	85.00		Feet		Field	1	08/03/2026 11:12	EMP	D
Specific Conductance, Field	212		umhos/cm	1	Field	1	08/03/2026 11:12	EMP	D
Temperature	15.35		Deg. C		Field	1	08/03/2026 11:12	EMP	D
Total Well Depth	90.02		Feet		Field	1	08/03/2026 11:12	EMP	D
Turbidity, Field	11		NTU	1	Field	1	08/03/2026 11:12	EMP	D
Volume in Water Column	30.31		Gallons		Field	1	08/03/2026 11:12	EMP	D
Water Level After Purge	77.73		Feet		Field	1	08/03/2026 11:12	EMP	D
Well Volumes Purged	0.30		Vol		Field	1	08/03/2026 11:12	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	16.1		mg/L	0.11	SW846 6010C	1	08/17/2026 14:10	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:10	MSY	K1
Magnesium, Total	7.0		mg/L	0.11	SW846 6010C	1	08/17/2026 14:10	MSY	K1
Manganese, Total	0.21		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:10	MSY	K1
Potassium, Total	1.1		mg/L	0.56	SW846 6010C	1	08/17/2026 14:10	MSY	K1
Sodium, Total	13.0		mg/L	0.56	SW846 6010C	1	08/17/2026 14:10	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 16:57	CMQ	H

Results

Client Sample ID	FFMP002W	Collected	08/03/2026 11:12
Lab Sample ID	3464048003	Lab Receipt	08/03/2026 16:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	08/04/2026 16:57	
4-Bromofluorobenzene	460-00-4	106%	79 – 114	08/04/2026 16:57	
Dibromofluoromethane	1868-53-7	101%	78 – 116	08/04/2026 16:57	
Toluene-d8	2037-26-5	108%	76 – 127	08/04/2026 16:57	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-21	1	08/05/2026 11:54	CMO	B
Alkalinity, Total	ND	ND,1	mg/L	5	SM2320B-21	1	08/05/2026 11:54	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:03	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	15.2		mg/L	0.50	EPA 300.0	2	08/04/2026 13:26	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/04/2026 13:26	J1W	B
Nitrate-N	15.1		mg/L	0.050	EPA 300.0	2	08/04/2026 13:26	J1W	B
pH	5.13	2	pH_Units		SM4500HB-21	1	08/05/2026 11:54	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/06/2026 14:59	DJH	G
Specific Conductance	247		umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	15.9		mg/L	0.50	EPA 300.0	2	08/04/2026 13:26	J1W	B
Total Dissolved Solids	165		mg/L	25	SM2540C-15	1	08/05/2026 14:40	RAG	B
Total Organic Carbon (TOC)	0.53		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	0.50		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Results

Client Sample ID	FFMP031W	Collected	08/03/2026 11:04
Lab Sample ID	3464048004	Lab Receipt	08/03/2026 16:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	70.15		Feet		Field	1	08/03/2026 11:04	EMP	D
Dissolved Oxygen	0.27		mg/L	0.01	Field	1	08/03/2026 11:04	EMP	D
Elev Top MW Casing above MSL	612.66		Feet		Field	1	08/03/2026 11:04	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/03/2026 11:04	EMP	D
Ground Water Elevation	542.51		ft/MSL		Field	1	08/03/2026 11:04	EMP	D
Oxidation-Reduction Potential	213		mV		Field	1	08/03/2026 11:04	EMP	D
pH, Field (SM4500B)	7.58		pH_Units		Field	1	08/03/2026 11:04	EMP	D
Sample Depth	130.00		Feet		Field	1	08/03/2026 11:04	EMP	D
Specific Conductance, Field	347		umhos/cm	1	Field	1	08/03/2026 11:04	EMP	D
Temperature	16.07		Deg. C		Field	1	08/03/2026 11:04	EMP	D
Total Well Depth	152.70		Feet		Field	1	08/03/2026 11:04	EMP	D
Turbidity, Field	543		NTU	1	Field	1	08/03/2026 11:04	EMP	D
Volume in Water Column	121.35		Gallons		Field	1	08/03/2026 11:04	EMP	D
Water Level After Purge	75.00		Feet		Field	1	08/03/2026 11:04	EMP	D
Well Volumes Purged	0.07		Vol		Field	1	08/03/2026 11:04	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	69.2		mg/L	0.11	SW846 6010C	1	08/17/2026 14:12	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:12	MSY	K1
Magnesium, Total	4.5		mg/L	0.11	SW846 6010C	1	08/17/2026 14:12	MSY	K1
Manganese, Total	0.40		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:12	MSY	K1
Potassium, Total	1.5		mg/L	0.56	SW846 6010C	1	08/17/2026 14:12	MSY	K1
Sodium, Total	8.8		mg/L	0.56	SW846 6010C	1	08/17/2026 14:12	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:43	CMQ	H

Results

Client Sample ID	FFMP031W	Collected	08/03/2026 11:04
Lab Sample ID	3464048004	Lab Receipt	08/03/2026 16:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	08/04/2026 17:43	
4-Bromofluorobenzene	460-00-4	109%	79 – 114	08/04/2026 17:43	
Dibromofluoromethane	1868-53-7	108%	78 – 116	08/04/2026 17:43	
Toluene-d8	2037-26-5	110%	76 – 127	08/04/2026 17:43	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	119		mg/L	5	SM2320B-21	1	08/05/2026 12:05	CMO	B
Alkalinity, Total	119	1	mg/L	5	SM2320B-21	1	08/05/2026 12:05	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:06	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	21.8		mg/L	0.50	EPA 300.0	2	08/04/2026 13:40	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/04/2026 13:40	J1W	B
Nitrate-N	0.70		mg/L	0.050	EPA 300.0	2	08/04/2026 13:40	J1W	B
pH	7.94	2	pH_Units		SM4500HB-21	1	08/05/2026 12:05	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/06/2026 15:02	DJH	G
Specific Conductance	427		umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	49.3		mg/L	0.50	EPA 300.0	2	08/04/2026 13:40	J1W	B
Total Dissolved Solids	210		mg/L	25	SM2540C-15	1	08/05/2026 14:40	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	1.5		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Results

Client Sample ID	FFMP015W	Collected	08/03/2026 12:34
Lab Sample ID	3464048005	Lab Receipt	08/03/2026 16:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	64.85		Feet		Field	1	08/03/2026 12:34	EMP	D
Dissolved Oxygen	6.34		mg/L	0.01	Field	1	08/03/2026 12:34	EMP	D
Elev Top MW Casing above MSL	576.40		Feet		Field	1	08/03/2026 12:34	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/03/2026 12:34	EMP	D
Ground Water Elevation	511.55		ft/MSL		Field	1	08/03/2026 12:34	EMP	D
Oxidation-Reduction Potential	203		mV		Field	1	08/03/2026 12:34	EMP	D
pH, Field (SM4500B)	5.83		pH_Units		Field	1	08/03/2026 12:34	EMP	D
Sample Depth	135.00		Feet		Field	1	08/03/2026 12:34	EMP	D
Specific Conductance, Field	404		umhos/cm	1	Field	1	08/03/2026 12:34	EMP	D
Temperature	15.48		Deg. C		Field	1	08/03/2026 12:34	EMP	D
Total Well Depth	149.90		Feet		Field	1	08/03/2026 12:34	EMP	D
Turbidity, Field	47		NTU	1	Field	1	08/03/2026 12:34	EMP	D
Volume in Water Column	125.02		Gallons		Field	1	08/03/2026 12:34	EMP	D
Water Level After Purge	66.21		Feet		Field	1	08/03/2026 12:34	EMP	D
Well Volumes Purged	0.03		Vol		Field	1	08/03/2026 12:34	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	32.7		mg/L	0.11	SW846 6010C	1	08/17/2026 14:14	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:14	MSY	K1
Magnesium, Total	18.1		mg/L	0.11	SW846 6010C	1	08/17/2026 14:14	MSY	K1
Manganese, Total	ND	ND	mg/L	0.0056	SW846 6010C	1	08/17/2026 14:14	MSY	K1
Potassium, Total	1.9		mg/L	0.56	SW846 6010C	1	08/17/2026 14:14	MSY	K1
Sodium, Total	17.6		mg/L	0.56	SW846 6010C	1	08/17/2026 14:14	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:05	CMQ	H

Results

Client Sample ID	FFMP015W	Collected	08/03/2026 12:34
Lab Sample ID	3464048005	Lab Receipt	08/03/2026 16:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	62 – 133	08/04/2026 18:05	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	08/04/2026 18:05	
Dibromofluoromethane	1868-53-7	103%	78 – 116	08/04/2026 18:05	
Toluene-d8	2037-26-5	104%	76 – 127	08/04/2026 18:05	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	50		mg/L	5	SM2320B-21	1	08/05/2026 12:51	CMO	B
Alkalinity, Total	50	1	mg/L	5	SM2320B-21	1	08/05/2026 12:51	CMO	B
Ammonia-N, Low Level	ND	ND,3	mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:29	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	29.2		mg/L	0.50	EPA 300.0	2	08/04/2026 14:38	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/04/2026 14:38	J1W	B
Nitrate-N	18.0		mg/L	0.050	EPA 300.0	2	08/04/2026 14:38	J1W	B
pH	6.71	2	pH_Units		SM4500HB-21	1	08/05/2026 12:51	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/06/2026 15:20	DJH	G
Specific Conductance	434		umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	26.5		mg/L	0.50	EPA 300.0	2	08/04/2026 14:38	J1W	B
Total Dissolved Solids	246		mg/L	25	SM2540C-15	1	08/05/2026 14:40	RAG	B
Total Organic Carbon (TOC)	0.90		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	1.1		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Results

Client Sample ID	FFMP032W	Collected	08/03/2026 13:29
Lab Sample ID	3464048006	Lab Receipt	08/03/2026 16:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	50.71		Feet		Field	1	08/03/2026 13:29	EMP	D
Dissolved Oxygen	0.22		mg/L	0.01	Field	1	08/03/2026 13:29	EMP	D
Elev Top MW Casing above MSL	594.09		Feet		Field	1	08/03/2026 13:29	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/03/2026 13:29	EMP	D
Ground Water Elevation	543.38		ft/MSL		Field	1	08/03/2026 13:29	EMP	D
Oxidation-Reduction Potential	-176		mV		Field	1	08/03/2026 13:29	EMP	D
pH, Field (SM4500B)	7.15		pH_Units		Field	1	08/03/2026 13:29	EMP	D
Sample Depth	62.00		Feet		Field	1	08/03/2026 13:29	EMP	D
Specific Conductance, Field	261		umhos/cm	1	Field	1	08/03/2026 13:29	EMP	D
Temperature	17.17		Deg. C		Field	1	08/03/2026 13:29	EMP	D
Total Well Depth	77.60		Feet		Field	1	08/03/2026 13:29	EMP	D
Turbidity, Field	181		NTU	1	Field	1	08/03/2026 13:29	EMP	D
Volume in Water Column	39.53		Gallons		Field	1	08/03/2026 13:29	EMP	D
Water Level After Purge	53.25		Feet		Field	1	08/03/2026 13:29	EMP	D
Well Volumes Purged	0.23		Vol		Field	1	08/03/2026 13:29	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	21.1		mg/L	0.11	SW846 6010C	1	08/17/2026 14:16	MSY	K1
Iron, Total	10.3		mg/L	0.067	SW846 6010C	1	08/17/2026 14:16	MSY	K1
Magnesium, Total	8.4		mg/L	0.11	SW846 6010C	1	08/17/2026 14:16	MSY	K1
Manganese, Total	0.98		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:16	MSY	K1
Potassium, Total	1.6		mg/L	0.56	SW846 6010C	1	08/17/2026 14:16	MSY	K1
Sodium, Total	15.3		mg/L	0.56	SW846 6010C	1	08/17/2026 14:16	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 18:28	CMQ	H

Results

Client Sample ID	FFMP032W	Collected	08/03/2026 13:29
Lab Sample ID	3464048006	Lab Receipt	08/03/2026 16:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	62 – 133	08/04/2026 18:28	
4-Bromofluorobenzene	460-00-4	104%	79 – 114	08/04/2026 18:28	
Dibromofluoromethane	1868-53-7	103%	78 – 116	08/04/2026 18:28	
Toluene-d8	2037-26-5	108%	76 – 127	08/04/2026 18:28	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	54		mg/L	5	SM2320B-21	1	08/05/2026 13:03	CMO	B
Alkalinity, Total	54	1	mg/L	5	SM2320B-21	1	08/05/2026 13:03	CMO	B
Ammonia-N, Low Level	0.29		mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:39	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	45.1		mg/L	0.50	EPA 300.0	2	08/04/2026 14:53	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/04/2026 14:53	J1W	B
Nitrate-N	0.29		mg/L	0.050	EPA 300.0	2	08/04/2026 14:53	J1W	B
pH	7.14	2	pH_Units		SM4500HB-21	1	08/05/2026 13:03	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/06/2026 15:26	DJH	G
Specific Conductance	274		umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	ND	ND	mg/L	0.50	EPA 300.0	2	08/04/2026 14:53	J1W	B
Total Dissolved Solids	127		mg/L	25	SM2540C-15	1	08/05/2026 14:40	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	140		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Results

Client Sample ID	FFMP035W	Collected	08/03/2026 15:22
Lab Sample ID	3464048007	Lab Receipt	08/03/2026 16:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	43.38		Feet		Field	1	08/03/2026 15:23	EMP	D
Dissolved Oxygen	0.25		mg/L	0.01	Field	1	08/03/2026 15:23	EMP	D
Elev Top MW Casing above MSL	477.56		Feet		Field	1	08/03/2026 15:23	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/03/2026 15:23	EMP	D
Ground Water Elevation	434.18		ft/MSL		Field	1	08/03/2026 15:23	EMP	D
Oxidation-Reduction Potential	140		mV		Field	1	08/03/2026 15:23	EMP	D
pH, Field (SM4500B)	6.64		pH_Units		Field	1	08/03/2026 15:23	EMP	D
Sample Depth	65.00		Feet		Field	1	08/03/2026 15:23	EMP	D
Specific Conductance, Field	822		umhos/cm	1	Field	1	08/03/2026 15:23	EMP	D
Temperature	14.58		Deg. C		Field	1	08/03/2026 15:23	EMP	D
Total Well Depth	71.80		Feet		Field	1	08/03/2026 15:23	EMP	D
Turbidity, Field	1		NTU	1	Field	1	08/03/2026 15:23	EMP	D
Volume in Water Column	41.78		Gallons		Field	1	08/03/2026 15:23	EMP	D
Water Level After Purge	45.03		Feet		Field	1	08/03/2026 15:23	EMP	D
Well Volumes Purged	0.05		Vol		Field	1	08/03/2026 15:23	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	101		mg/L	0.11	SW846 6010C	1	08/17/2026 14:18	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:18	MSY	K1
Magnesium, Total	16.3		mg/L	0.11	SW846 6010C	1	08/17/2026 14:18	MSY	K1
Manganese, Total	0.038		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:18	MSY	K1
Potassium, Total	2.7		mg/L	0.56	SW846 6010C	1	08/17/2026 14:18	MSY	K1
Sodium, Total	46.3		mg/L	0.56	SW846 6010C	1	08/17/2026 14:18	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:25	CMQ	H

Results

Client Sample ID	FFMP035W	Collected	08/03/2026 15:22
Lab Sample ID	3464048007	Lab Receipt	08/03/2026 16:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	08/04/2026 17:25	
4-Bromofluorobenzene	460-00-4	95.1%	79 – 114	08/04/2026 17:25	
Dibromofluoromethane	1868-53-7	96.3%	78 – 116	08/04/2026 17:25	
Toluene-d8	2037-26-5	94.9%	76 – 127	08/04/2026 17:25	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	138		mg/L	5	SM2320B-21	1	08/05/2026 13:15	CMO	B
Alkalinity, Total	138	1	mg/L	5	SM2320B-21	1	08/05/2026 13:15	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:42	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	145		mg/L	1.3	EPA 300.0	5	08/04/2026 15:07	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/04/2026 15:07	J1W	B
Nitrate-N	5.8		mg/L	0.13	EPA 300.0	5	08/04/2026 15:07	J1W	B
pH	7.07	2	pH_Units		SM4500HB-21	1	08/05/2026 13:15	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/06/2026 15:29	DJH	G
Specific Conductance	912		umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	43.6		mg/L	1.3	EPA 300.0	5	08/04/2026 15:07	J1W	B
Total Dissolved Solids	576	4	mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	0.93		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	0.85		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Results

Client Sample ID	FFMP02DW	Collected	08/03/2026 14:57
Lab Sample ID	3464048008	Lab Receipt	08/03/2026 16:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	19.49		Feet		Field	1	08/03/2026 15:03	EMP	D
Dissolved Oxygen	0.22		mg/L	0.01	Field	1	08/03/2026 15:03	EMP	D
Elev Top MW Casing above MSL	509.60		Feet		Field	1	08/03/2026 15:03	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/03/2026 15:03	EMP	D
Ground Water Elevation	490.11		ft/MSL		Field	1	08/03/2026 15:03	EMP	D
Oxidation-Reduction Potential	118		mV		Field	1	08/03/2026 15:03	EMP	D
pH, Field (SM4500B)	7.25		pH_Units		Field	1	08/03/2026 15:03	EMP	D
Sample Depth	120.00		Feet		Field	1	08/03/2026 15:03	EMP	D
Specific Conductance, Field	1319		umhos/cm	1	Field	1	08/03/2026 15:03	EMP	D
Temperature	14.97		Deg. C		Field	1	08/03/2026 15:03	EMP	D
Total Well Depth	153.00		Feet		Field	1	08/03/2026 15:03	EMP	D
Turbidity, Field	262		NTU	1	Field	1	08/03/2026 15:03	EMP	D
Volume in Water Column	196.26		Gallons		Field	1	08/03/2026 15:03	EMP	D
Water Level After Purge	26.63		Feet		Field	1	08/03/2026 15:03	EMP	D
Well Volumes Purged	0.05		Vol		Field	1	08/03/2026 15:03	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	115		mg/L	0.11	SW846 6010C	1	08/17/2026 14:20	MSY	K1
Iron, Total	1.5		mg/L	0.067	SW846 6010C	1	08/17/2026 14:20	MSY	K1
Magnesium, Total	18.3		mg/L	0.11	SW846 6010C	1	08/17/2026 14:20	MSY	K1
Manganese, Total	0.27		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:20	MSY	K1
Potassium, Total	1.6		mg/L	0.56	SW846 6010C	1	08/17/2026 14:20	MSY	K1
Sodium, Total	125		mg/L	0.56	SW846 6010C	1	08/17/2026 14:20	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/04/2026 17:48	CMQ	H

Results

Client Sample ID	FFMP02DW	Collected	08/03/2026 14:57
Lab Sample ID	3464048008	Lab Receipt	08/03/2026 16:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	108%	62 – 133	08/04/2026 17:48	
4-Bromofluorobenzene	460-00-4	93.7%	79 – 114	08/04/2026 17:48	
Dibromofluoromethane	1868-53-7	95.1%	78 – 116	08/04/2026 17:48	
Toluene-d8	2037-26-5	94.5%	76 – 127	08/04/2026 17:48	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	128		mg/L	5	SM2320B-21	1	08/05/2026 13:27	CMO	B
Alkalinity, Total	128	1	mg/L	5	SM2320B-21	1	08/05/2026 13:27	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/06/2026 12:45	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/04/2026 11:34	KMS	A
Chloride	118		mg/L	0.50	EPA 300.0	2	08/06/2026 01:25	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/04/2026 15:22	J1W	B
Nitrate-N	4.2		mg/L	0.050	EPA 300.0	2	08/04/2026 15:22	J1W	B
pH	7.90	2	pH_Units		SM4500HB-21	1	08/05/2026 13:27	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/06/2026 15:32	DJH	G
Specific Conductance	1390		umhos/cm	5	SW846 9050A	1	08/04/2026 09:52	AOO	B
Sulfate	41.6		mg/L	0.50	EPA 300.0	2	08/04/2026 15:22	J1W	B
Total Dissolved Solids	878		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	0.89		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	16		NTU	0.30	SM2130B-20	1	08/04/2026 10:56	AOO	B

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464048002	FIELD BLANK	SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464048003	FFMP002W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464048004	FFMP031W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464048005	FFMP015W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464048006	FFMP032W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464048007	FFMP035W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464048008	FFMP02DW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464048002	FIELD BLANK	SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564220
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564348
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1565065
3464048003	FFMP002W	N/A	N/A	N/A		Field	1565101
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564220
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564348
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1564442
3464048004	FFMP031W	N/A	N/A	N/A		Field	1565108
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564220
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564348
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1564442
3464048005	FFMP015W	N/A	N/A	N/A		Field	1565101
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564220
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564348
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1564442

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464048006	FFMP032W	N/A	N/A	N/A		Field	1565108
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564220
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564348
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1564442
3464048007	FFMP035W	N/A	N/A	N/A		Field	1565108
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564219
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1564442
3464048008	FFMP02DW	N/A	N/A	N/A		Field	1565101
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564219
		N/A	N/A	N/A		EPA 300.0	1564136
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564161
		N/A	N/A	N/A		S4500NH3G-21	1564741
		N/A	N/A	N/A		SM2130B-20	1564147
		N/A	N/A	N/A		SM2320B-21	1564345
		N/A	N/A	N/A		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564174
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564172	08/05/2026 15:50	DJH	SW846 9066	1564442

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 #: 3464048
Logged By: MZP
PM: SIW
ALS Quote #:

Client Name: Lancaster County Solid Waste MA

Address: 1299 Harrisburg Pike, Lancaster PA 17604

Contact: Dan Brown
Phone#: 717-553-5864
Project Name/#: Frey Farm Quarterly GWMP
Bill To: Lancaster County Solid Waste MA
Purchase Order #:

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

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

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	TOC	O-OH	VOC Form 19Q	pH, CL, SpC, F, SO4, NO3, Tb, TDS	Alkalinity, Bicarbonate	FM	Sample Debth for AUX Data	NH3-N, COD	Metals Fe,Mn,Na,Ca,K,Mg	
							Enter Number of Containers Per Sample or Field Results Below.									
1	FIELD BLANK	8/3/26	09:00		G	GW	2	1	3	1	1	x	x	1	2	
2	FFMP002W	8/3/26	10:12		G	GW	2	1	2	1	1	X	X	1	2	
3	FFMP031W	8/3/26	11:04				2	1	2	1	1	X	X	1	2	
4	FFMP015W	8/3/26	12:34				2	1	2	1	1	X	X	1	2	
5	FFMP032W	8/3/26	13:29				2	1	2	1	1	X	X	1	2	
6	FFMP035W	8/3/26	15:22				2	1	2	1	1	X	X	1	2	
7	FFMP02DW	8/3/26	1457				2	1	2	1	1	X	X	1	2	
8																
9																
10																

Receipt Infor.
Temp Taken By: Therm ID: 352 WO Temp (°C) 1

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

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

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, 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

MP 8/3/26

Sampling Hours

Contains Short Hold Testing YES NO

Internal Use: If less than 48 hours - notify lab upon receipt

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

Comments:

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
8/3/2026	1630	1 ALS EP		2	
		3		4	
		5		6	
		7		8	
		9		10	

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

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

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

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

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

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

Rev 07.06.2023

Middletown Sample Condition Form

Client LCSWMA Workorder 3464048

Temp °C 1 Therm ID 352 Ice? (Y) N N/A Initials & Date HCh 8-3-26

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		✱		UC
•Composite or grab	✱			
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact	✱			
Trip blanks present (EPA 504, EPA 524)			✱	
Field blanks present (Hg 1631, PFAS)				
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			✱	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

8/26/2026 10:57 AM

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 FREY FARM Quarterly GWMP
Workorder 3464327
Report ID 527095 on 8/31/2026

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
3464327001	FFMP034W	Ground Water	08/05/2026 10:25	08/05/2026 15:00	C	
3464327002	FFMP033W	Ground Water	08/05/2026 10:25	08/05/2026 15:00	C	
3464327003	FFMP029W	Ground Water	08/05/2026 11:37	08/05/2026 15:00	C	
3464327004	FFMP017W	Ground Water	08/05/2026 13:31	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 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 55.5 and the control limits were 80 to 120.
4	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 53.3 and the control limits were 80 to 120.
5	The QC sample type MS for method SW846 9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 69.6 and the control limits were 90 to 110.

Detected Results Summary

Client Sample ID	FFMP034W	Collected	08/05/2026 10:25
Lab Sample ID	3464327001	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	10.75	Feet		Field	#
Dissolved Oxygen	1.17	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	472.88	Feet		Field	#
Flow Rate	1.63	gal/min		Field	#
Ground Water Elevation	462.13	ft/MSL		Field	#
Oxidation-Reduction Potential	140	mV		Field	#
pH, Field (SM4500B)	5.82	pH_Units		Field	#
Sample Depth	25.85	Feet		Field	#
Specific Conductance, Field	592	umhos/cm	1	Field	#
Temperature	13.89	Deg. C		Field	#
Total Well Depth	121.00	Feet		Field	#
Turbidity, Field	7	NTU	1	Field	#
Volume in Water Column	162.07	Gallons		Field	#
Water Level After Purge	21.49	Feet		Field	#
Well Volumes Purged	1.05	Vol		Field	#
LIBRARY SEARCH - VOLATILES					
No TIC's Detected	.			Lib Search VOC	#
METALS					
Calcium, Total	49.3	mg/L	1.1	SW846 6020A	#
Iron, Total	0.71	mg/L	0.56	SW846 6020A	#
Magnesium, Total	19.7	mg/L	1.1	SW846 6020A	#
Manganese, Total	0.087	mg/L	0.056	SW846 6020A	#
Potassium, Total	2.6	mg/L	1.1	SW846 6020A	#
Sodium, Total	42.1	mg/L	1.1	SW846 6020A	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	37	mg/L	5	SM2320B-21	#
Alkalinity, Total	37	mg/L	5	SM2320B-21	#
Chloride	139	mg/L	1.3	EPA 300.0	#
Nitrate-N	10.7	mg/L	0.13	EPA 300.0	#
pH	6.28	pH_Units		SM4500HB-21	#
Specific Conductance	743	umhos/cm	5	SM2510B-21	#
Sulfate	29.9	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	696	mg/L	25	SM2540C-20	#
Total Organic Carbon (TOC)	0.70	mg/L	0.50	SM5310B-14	#
Turbidity	3.2	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP033W	Collected	08/05/2026 10:25
Lab Sample ID	3464327002	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	20.70	Feet		Field	#
Dissolved Oxygen	0.83	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	516.52	Feet		Field	#
Flow Rate	1.69	gal/min		Field	#
Ground Water Elevation	495.82	ft/MSL		Field	#
Oxidation-Reduction Potential	77	mV		Field	#
pH, Field (SM4500B)	5.74	pH_Units		Field	#
Sample Depth	79.00	Feet		Field	#
Specific Conductance, Field	428	umhos/cm	1	Field	#
Temperature	15.98	Deg. C		Field	#
Total Well Depth	100.00	Feet		Field	#
Turbidity, Field	5	NTU	1	Field	#
Volume in Water Column	116.57	Gallons		Field	#
Water Level After Purge	33.24	Feet		Field	#
Well Volumes Purged	1.77	Vol		Field	#
LIBRARY SEARCH - VOLATILES					
No TIC's Detected	.			Lib Search VOC	#
METALS					
Calcium, Total	37.8	mg/L	1.1	SW846 6020A	#
Iron, Total	4.8	mg/L	0.56	SW846 6020A	#
Magnesium, Total	14.2	mg/L	1.1	SW846 6020A	#
Manganese, Total	0.24	mg/L	0.056	SW846 6020A	#
Potassium, Total	2.0	mg/L	1.1	SW846 6020A	#
Sodium, Total	19.9	mg/L	1.1	SW846 6020A	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	34	mg/L	5	SM2320B-21	#
Alkalinity, Total	34	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.23	mg/L	0.10	S4500NH3G-21	#
Chloride	90.1	mg/L	0.50	EPA 300.0	#
Nitrate-N	10.0	mg/L	0.050	EPA 300.0	#
pH	6.26	pH_Units		SM4500HB-21	#
Specific Conductance	497	umhos/cm	5	SM2510B-21	#
Sulfate	11.5	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	308	mg/L	25	SM2540C-20	#
Turbidity	5.2	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP029W	Collected	08/05/2026 11:37
Lab Sample ID	3464327003	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	41.70	Feet		Field	#
Dissolved Oxygen	5.68	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	477.30	Feet		Field	#
Flow Rate	1.60	gal/min		Field	#
Ground Water Elevation	435.60	ft/MSL		Field	#
Oxidation-Reduction Potential	202	mV		Field	#
pH, Field (SM4500B)	5.29	pH_Units		Field	#
Sample Depth	55.00	Feet		Field	#
Specific Conductance, Field	201	umhos/cm	1	Field	#
Temperature	15.04	Deg. C		Field	#
Total Well Depth	60.50	Feet		Field	#
Volume in Water Column	27.64	Gallons		Field	#
Water Level After Purge	45.79	Feet		Field	#
Well Volumes Purged	2.58	Vol		Field	#
LIBRARY SEARCH - VOLATILES					
No TIC's Detected	.			Lib Search VOC	#
METALS					
Calcium, Total	13.0	mg/L	1.1	SW846 6020A	#
Magnesium, Total	9.9	mg/L	1.1	SW846 6020A	#
Potassium, Total	1.9	mg/L	1.1	SW846 6020A	#
Sodium, Total	15.9	mg/L	1.1	SW846 6020A	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	10	mg/L	5	SM2320B-21	#
Alkalinity, Total	10	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.10	mg/L	0.10	S4500NH3G-21	#
Chloride	61.2	mg/L	0.50	EPA 300.0	#
Nitrate-N	3.5	mg/L	0.050	EPA 300.0	#
pH	5.87	pH_Units		SM4500HB-21	#
Specific Conductance	273	umhos/cm	5	SM2510B-21	#
Sulfate	1.8	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	178	mg/L	25	SM2540C-20	#
Turbidity	6.2	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP017W	Collected	08/05/2026 13:31
Lab Sample ID	3464327004	Lab Receipt	08/05/2026 15:00

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	41.50	Feet		Field	#
Dissolved Oxygen	0.37	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	480.70	Feet		Field	#
Flow Rate	1.55	gal/min		Field	#
Ground Water Elevation	439.20	ft/MSL		Field	#
Oxidation-Reduction Potential	90	mV		Field	#
pH, Field (SM4500B)	6.34	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	3604	umhos/cm	1	Field	#
Temperature	13.02	Deg. C		Field	#
Total Well Depth	150.50	Feet		Field	#
Volume in Water Column	160.23	Gallons		Field	#
Water Level After Purge	43.16	Feet		Field	#
Well Volumes Purged	1.16	Vol		Field	#
LIBRARY SEARCH - VOLATILES					
No TIC's Detected	.			Lib Search VOC	#
METALS					
Calcium, Total	278	mg/L	1.1	SW846 6020A	#
Magnesium, Total	70.7	mg/L	1.1	SW846 6020A	#
Manganese, Total	7.1	mg/L	0.056	SW846 6020A	#
Potassium, Total	43.5	mg/L	1.1	SW846 6020A	#
Sodium, Total	396	mg/L	1.1	SW846 6020A	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	113	mg/L	5	SM2320B-21	#
Alkalinity, Total	113	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	1.31	mg/L	0.10	S4500NH3G-21	#
Chemical Oxygen Demand (COD)	17	mg/L	15	EPA 410.4	#
Chloride	1150	mg/L	5.0	EPA 300.0	#
Nitrate-N	0.65	mg/L	0.13	EPA 300.0	#
pH	6.90	pH_Units		SM4500HB-21	#
Specific Conductance	4240	umhos/cm	5	SM2510B-21	#
Sulfate	153	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	2750	mg/L	25	SM2540C-20	#
Total Organic Carbon (TOC)	4.6	mg/L	0.50	SM5310B-14	#
Turbidity	0.85	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	FFMP034W	Collected	08/05/2026 10:25
Lab Sample ID	3464327001	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	10.75		Feet		Field	1	08/05/2026 10:25	EMP	F
Dissolved Oxygen	1.17		mg/L	0.01	Field	1	08/05/2026 10:25	EMP	F
Elev Top MW Casing above MSL	472.88		Feet		Field	1	08/05/2026 10:25	EMP	F
Flow Rate	1.63		gal/min		Field	1	08/05/2026 10:25	EMP	F
Ground Water Elevation	462.13		ft/MSL		Field	1	08/05/2026 10:25	EMP	F
Oxidation-Reduction Potential	140		mV		Field	1	08/05/2026 10:25	EMP	F
pH, Field (SM4500B)	5.82		pH_Units		Field	1	08/05/2026 10:25	EMP	F
Sample Depth	25.85		Feet		Field	1	08/05/2026 10:25	EMP	F
Specific Conductance, Field	592		umhos/cm	1	Field	1	08/05/2026 10:25	EMP	F
Temperature	13.89		Deg. C		Field	1	08/05/2026 10:25	EMP	F
Total Well Depth	121.00		Feet		Field	1	08/05/2026 10:25	EMP	F
Turbidity, Field	7		NTU	1	Field	1	08/05/2026 10:25	EMP	F
Volume in Water Column	162.07		Gallons		Field	1	08/05/2026 10:25	EMP	F
Water Level After Purge	21.49		Feet		Field	1	08/05/2026 10:25	EMP	F
Well Volumes Purged	1.05		Vol		Field	1	08/05/2026 10:25	EMP	F

LIBRARY SEARCH - VOLATILES

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
No TIC's Detected	.				Lib Search VOC	1	08/11/2026 16:22	TMP	J

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	49.3		mg/L	1.1	SW846 6020A	10	08/27/2026 18:35	KXH	D1
Iron, Total	0.71		mg/L	0.56	SW846 6020A	10	08/27/2026 18:35	KXH	D1
Magnesium, Total	19.7		mg/L	1.1	SW846 6020A	10	08/27/2026 18:35	KXH	D1
Manganese, Total	0.087		mg/L	0.056	SW846 6020A	10	08/27/2026 18:35	KXH	D1
Potassium, Total	2.6		mg/L	1.1	SW846 6020A	10	08/27/2026 18:35	KXH	D1
Sodium, Total	42.1		mg/L	1.1	SW846 6020A	10	08/27/2026 18:35	KXH	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,2,3-Trichloropropane	ND	ND	ug/L	2.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	7.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J

Results

Client Sample ID	FFMP034W	Collected	08/05/2026 10:25
Lab Sample ID	3464327001	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,2-Dichloropropane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,3-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
2-Butanone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
2-Hexanone	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
3-Chloro-1-propene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Acetone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Acrylonitrile	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Bromochloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Bromodichloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Bromoform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Bromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Carbon Disulfide	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Carbon Tetrachloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Chlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Chlorodibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Chloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Chloroform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Chloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Dibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Dichlorodifluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Iodomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Styrene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Trichlorofluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Vinyl Acetate	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:22	TMP	J
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:22	TMP	J

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.5%	62 – 133	08/11/2026 16:22	
4-Bromofluorobenzene	460-00-4	105%	79 – 114	08/11/2026 16:22	
Dibromofluoromethane	1868-53-7	95.6%	78 – 116	08/11/2026 16:22	
Toluene-d8	2037-26-5	104%	76 – 127	08/11/2026 16:22	

Results

Client Sample ID	FFMP034W	Collected	08/05/2026 10:25
Lab Sample ID	3464327001	Lab Receipt	08/05/2026 15:00

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	37		mg/L	5	SM2320B-21	1	08/06/2026 16:48	CMO	A
Alkalinity, Total	37	1	mg/L	5	SM2320B-21	1	08/06/2026 16:48	CMO	A
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/10/2026 15:04	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	139		mg/L	1.3	EPA 300.0	5	08/06/2026 21:18	J1W	A
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/06/2026 21:18	J1W	A
Nitrate-N	10.7		mg/L	0.13	EPA 300.0	5	08/06/2026 21:18	J1W	A
pH	6.28	2	pH_Units		SM4500HB-21	1	08/06/2026 16:48	CMO	A
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 15:04	DJH	I
Specific Conductance	743		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	29.9		mg/L	1.3	EPA 300.0	5	08/06/2026 21:18	J1W	A
Total Dissolved Solids	696		mg/L	25	SM2540C-20	1	08/11/2026 18:15	RAG	A
Total Organic Carbon (TOC)	0.70		mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	G
Turbidity	3.2		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	FFMP033W	Collected	08/05/2026 10:25
Lab Sample ID	3464327002	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	20.70		Feet		Field	1	08/05/2026 10:24	EMP	F
Dissolved Oxygen	0.83		mg/L	0.01	Field	1	08/05/2026 10:24	EMP	F
Elev Top MW Casing above MSL	516.52		Feet		Field	1	08/05/2026 10:24	EMP	F
Flow Rate	1.69		gal/min		Field	1	08/05/2026 10:24	EMP	F
Ground Water Elevation	495.82		ft/MSL		Field	1	08/05/2026 10:24	EMP	F
Oxidation-Reduction Potential	77		mV		Field	1	08/05/2026 10:24	EMP	F
pH, Field (SM4500B)	5.74		pH_Units		Field	1	08/05/2026 10:24	EMP	F
Sample Depth	79.00		Feet		Field	1	08/05/2026 10:24	EMP	F
Specific Conductance, Field	428		umhos/cm	1	Field	1	08/05/2026 10:24	EMP	F
Temperature	15.98		Deg. C		Field	1	08/05/2026 10:24	EMP	F
Total Well Depth	100.00		Feet		Field	1	08/05/2026 10:24	EMP	F
Turbidity, Field	5		NTU	1	Field	1	08/05/2026 10:24	EMP	F
Volume in Water Column	116.57		Gallons		Field	1	08/05/2026 10:24	EMP	F
Water Level After Purge	33.24		Feet		Field	1	08/05/2026 10:24	EMP	F
Well Volumes Purged	1.77		Vol		Field	1	08/05/2026 10:24	EMP	F

LIBRARY SEARCH - VOLATILES

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
No TIC's Detected	.				Lib Search VOC	1	08/11/2026 16:46	TMP	J

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	37.8		mg/L	1.1	SW846 6020A	10	08/27/2026 18:37	KXH	D1
Iron, Total	4.8		mg/L	0.56	SW846 6020A	10	08/27/2026 18:37	KXH	D1
Magnesium, Total	14.2		mg/L	1.1	SW846 6020A	10	08/27/2026 18:37	KXH	D1
Manganese, Total	0.24		mg/L	0.056	SW846 6020A	10	08/27/2026 18:37	KXH	D1
Potassium, Total	2.0		mg/L	1.1	SW846 6020A	10	08/27/2026 18:37	KXH	D1
Sodium, Total	19.9		mg/L	1.1	SW846 6020A	10	08/27/2026 18:37	KXH	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,2,3-Trichloropropane	ND	ND	ug/L	2.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	7.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J

Results

Client Sample ID	FFMP033W	Collected	08/05/2026 10:25
Lab Sample ID	3464327002	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,2-Dichloropropane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,3-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
2-Butanone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
2-Hexanone	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
3-Chloro-1-propene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Acetone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Acrylonitrile	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Bromochloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Bromodichloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Bromoform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Bromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Carbon Disulfide	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Carbon Tetrachloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Chlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Chlorodibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Chloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Chloroform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Chloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Dibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Dichlorodifluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Iodomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Styrene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Trichlorofluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Vinyl Acetate	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 16:46	TMP	J
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 16:46	TMP	J

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.7%	62 – 133	08/11/2026 16:46	
4-Bromofluorobenzene	460-00-4	104%	79 – 114	08/11/2026 16:46	
Dibromofluoromethane	1868-53-7	95.1%	78 – 116	08/11/2026 16:46	
Toluene-d8	2037-26-5	105%	76 – 127	08/11/2026 16:46	

Results

Client Sample ID	FFMP033W	Collected	08/05/2026 10:25
Lab Sample ID	3464327002	Lab Receipt	08/05/2026 15:00

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	34		mg/L	5	SM2320B-21	1	08/06/2026 17:03	CMO	A
Alkalinity, Total	34	1	mg/L	5	SM2320B-21	1	08/06/2026 17:03	CMO	A
Ammonia-N, Low Level	0.23		mg/L	0.10	S4500NH3G-21	1	08/10/2026 15:07	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	90.1		mg/L	0.50	EPA 300.0	2	08/06/2026 21:32	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/06/2026 21:32	J1W	A
Nitrate-N	10.0		mg/L	0.050	EPA 300.0	2	08/06/2026 21:32	J1W	A
pH	6.26	2	pH_Units		SM4500HB-21	1	08/06/2026 17:03	CMO	A
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 15:07	DJH	I
Specific Conductance	497		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	11.5		mg/L	0.50	EPA 300.0	2	08/06/2026 21:32	J1W	A
Total Dissolved Solids	308		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	G
Turbidity	5.2		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	FFMP029W	Collected	08/05/2026 11:37
Lab Sample ID	3464327003	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	41.70		Feet		Field	1	08/05/2026 11:36	EMP	F
Dissolved Oxygen	5.68		mg/L	0.01	Field	1	08/05/2026 11:36	EMP	F
Elev Top MW Casing above MSL	477.30		Feet		Field	1	08/05/2026 11:36	EMP	F
Flow Rate	1.60		gal/min		Field	1	08/05/2026 11:36	EMP	F
Ground Water Elevation	435.60		ft/MSL		Field	1	08/05/2026 11:36	EMP	F
Oxidation-Reduction Potential	202		mV		Field	1	08/05/2026 11:36	EMP	F
pH, Field (SM4500B)	5.29		pH_Units		Field	1	08/05/2026 11:36	EMP	F
Sample Depth	55.00		Feet		Field	1	08/05/2026 11:36	EMP	F
Specific Conductance, Field	201		umhos/cm	1	Field	1	08/05/2026 11:36	EMP	F
Temperature	15.04		Deg. C		Field	1	08/05/2026 11:36	EMP	F
Total Well Depth	60.50		Feet		Field	1	08/05/2026 11:36	EMP	F
Turbidity, Field	ND	ND	NTU	1	Field	1	08/05/2026 11:36	EMP	F
Volume in Water Column	27.64		Gallons		Field	1	08/05/2026 11:36	EMP	F
Water Level After Purge	45.79		Feet		Field	1	08/05/2026 11:36	EMP	F
Well Volumes Purged	2.58		Vol		Field	1	08/05/2026 11:36	EMP	F

LIBRARY SEARCH - VOLATILES

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
No TIC's Detected	.				Lib Search VOC	1	08/11/2026 17:09	TMP	J

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	13.0		mg/L	1.1	SW846 6020A	10	08/27/2026 18:39	KXH	D1
Iron, Total	ND	ND	mg/L	0.56	SW846 6020A	10	08/27/2026 18:39	KXH	D1
Magnesium, Total	9.9		mg/L	1.1	SW846 6020A	10	08/27/2026 18:39	KXH	D1
Manganese, Total	ND	ND	mg/L	0.056	SW846 6020A	10	08/27/2026 18:39	KXH	D1
Potassium, Total	1.9		mg/L	1.1	SW846 6020A	10	08/27/2026 18:39	KXH	D1
Sodium, Total	15.9		mg/L	1.1	SW846 6020A	10	08/27/2026 18:39	KXH	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,2,3-Trichloropropane	ND	ND	ug/L	2.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	7.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J

Results

Client Sample ID	FFMP029W	Collected	08/05/2026 11:37
Lab Sample ID	3464327003	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,2-Dichloropropane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,3-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
2-Butanone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
2-Hexanone	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
3-Chloro-1-propene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Acetone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Acrylonitrile	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Bromochloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Bromodichloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Bromoform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Bromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Carbon Disulfide	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Carbon Tetrachloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Chlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Chlorodibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Chloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Chloroform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Chloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Dibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Dichlorodifluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Iodomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Styrene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Trichlorofluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Vinyl Acetate	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:09	TMP	J
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:09	TMP	J

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	100%	62 – 133	08/11/2026 17:09	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	08/11/2026 17:09	
Dibromofluoromethane	1868-53-7	97.3%	78 – 116	08/11/2026 17:09	
Toluene-d8	2037-26-5	106%	76 – 127	08/11/2026 17:09	

Results

Client Sample ID	FFMP029W	Collected	08/05/2026 11:37
Lab Sample ID	3464327003	Lab Receipt	08/05/2026 15:00

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	10		mg/L	5	SM2320B-21	1	08/06/2026 17:16	CMO	A
Alkalinity, Total	10	1	mg/L	5	SM2320B-21	1	08/06/2026 17:16	CMO	A
Ammonia-N, Low Level	0.10		mg/L	0.10	S4500NH3G-21	1	08/10/2026 15:11	AYS	C
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	61.2		mg/L	0.50	EPA 300.0	2	08/06/2026 21:46	J1W	A
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/06/2026 21:46	J1W	A
Nitrate-N	3.5		mg/L	0.050	EPA 300.0	2	08/06/2026 21:46	J1W	A
pH	5.87	2	pH_Units		SM4500HB-21	1	08/06/2026 17:16	CMO	A
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 15:10	DJH	I
Specific Conductance	273		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 21:46	J1W	A
Total Dissolved Solids	178		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	G
Turbidity	6.2		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Results

Client Sample ID	FFMP017W	Collected	08/05/2026 13:31
Lab Sample ID	3464327004	Lab Receipt	08/05/2026 15:00

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	41.50		Feet		Field	1	08/05/2026 13:58	EMP	F
Dissolved Oxygen	0.37		mg/L	0.01	Field	1	08/05/2026 13:58	EMP	F
Elev Top MW Casing above MSL	480.70		Feet		Field	1	08/05/2026 13:58	EMP	F
Flow Rate	1.55		gal/min		Field	1	08/05/2026 13:58	EMP	F
Ground Water Elevation	439.20		ft/MSL		Field	1	08/05/2026 13:58	EMP	F
Oxidation-Reduction Potential	90		mV		Field	1	08/05/2026 13:58	EMP	F
pH, Field (SM4500B)	6.34		pH_Units		Field	1	08/05/2026 13:58	EMP	F
Sample Depth	135.00		Feet		Field	1	08/05/2026 13:58	EMP	F
Specific Conductance, Field	3604		umhos/cm	1	Field	1	08/05/2026 13:58	EMP	F
Temperature	13.02		Deg. C		Field	1	08/05/2026 13:58	EMP	F
Total Well Depth	150.50		Feet		Field	1	08/05/2026 13:58	EMP	F
Turbidity, Field	ND	ND	NTU	1	Field	1	08/05/2026 13:58	EMP	F
Volume in Water Column	160.23		Gallons		Field	1	08/05/2026 13:58	EMP	F
Water Level After Purge	43.16		Feet		Field	1	08/05/2026 13:58	EMP	F
Well Volumes Purged	1.16		Vol		Field	1	08/05/2026 13:58	EMP	F

LIBRARY SEARCH - VOLATILES

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
No TIC's Detected	.				Lib Search VOC	1	08/11/2026 17:32	TMP	J

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	278		mg/L	1.1	SW846 6020A	10	08/27/2026 18:41	KXH	D1
Iron, Total	ND	ND	mg/L	0.56	SW846 6020A	10	08/27/2026 18:41	KXH	D1
Magnesium, Total	70.7		mg/L	1.1	SW846 6020A	10	08/27/2026 18:41	KXH	D1
Manganese, Total	7.1		mg/L	0.056	SW846 6020A	10	08/27/2026 18:41	KXH	D1
Potassium, Total	43.5		mg/L	1.1	SW846 6020A	10	08/27/2026 18:41	KXH	D1
Sodium, Total	396		mg/L	1.1	SW846 6020A	10	08/27/2026 18:41	KXH	D1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,1,2,2-Tetrachloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,1,2-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,2,3-Trichloropropane	ND	ND	ug/L	2.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,2-Dibromo-3-chloropropane	ND	ND	ug/L	7.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,2-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J

Results

Client Sample ID	FFMP017W	Collected	08/05/2026 13:31
Lab Sample ID	3464327004	Lab Receipt	08/05/2026 15:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,2-Dichloropropane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,3-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
1,4-Dichlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
2-Butanone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
2-Hexanone	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
3-Chloro-1-propene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
4-Methyl-2-Pentanone(MIBK)	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Acetone	ND	ND	ug/L	10.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Acrylonitrile	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Bromochloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Bromodichloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Bromoform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Bromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Carbon Disulfide	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Carbon Tetrachloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Chlorobenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Chlorodibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Chloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Chloroform	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Chloromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
cis-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Dibromomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Dichlorodifluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Iodomethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Styrene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
trans-1,3-Dichloropropene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
trans-1,4-Dichloro-2-butene	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Trichlorofluoromethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Vinyl Acetate	ND	ND	ug/L	5.0	SW846 8260B	1	08/11/2026 17:32	TMP	J
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 17:32	TMP	J

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	100%	62 – 133	08/11/2026 17:32	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	08/11/2026 17:32	
Dibromofluoromethane	1868-53-7	97.4%	78 – 116	08/11/2026 17:32	
Toluene-d8	2037-26-5	105%	76 – 127	08/11/2026 17:32	

Results

Client Sample ID	FFMP017W	Collected	08/05/2026 13:31
Lab Sample ID	3464327004	Lab Receipt	08/05/2026 15:00

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	113		mg/L	5	SM2320B-21	1	08/06/2026 17:28	CMO	A
Alkalinity, Total	113	1	mg/L	5	SM2320B-21	1	08/06/2026 17:28	CMO	A
Ammonia-N, Low Level	1.31		mg/L	0.10	S4500NH3G-21	1	08/10/2026 15:14	AYS	C
Chemical Oxygen Demand (COD)	17		mg/L	15	EPA 410.4	1	08/07/2026 12:08	KMS	C
Chloride	1150	3,4	mg/L	5.0	EPA 300.0	20	08/11/2026 18:31	J1W	A
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/06/2026 22:01	J1W	A
Nitrate-N	0.65		mg/L	0.13	EPA 300.0	5	08/06/2026 22:01	J1W	A
pH	6.90	2	pH_Units		SM4500HB-21	1	08/06/2026 17:28	CMO	A
Phenolics	ND	ND,5	mg/L	0.004	SW846 9066	1	08/21/2026 21:17	DJH	I
Specific Conductance	4240		umhos/cm	5	SM2510B-21	1	08/07/2026 13:25	CMO	A
Sulfate	153		mg/L	1.3	EPA 300.0	5	08/06/2026 22:01	J1W	A
Total Dissolved Solids	2750		mg/L	25	SM2540C-20	1	08/11/2026 18:15	RAG	A
Total Organic Carbon (TOC)	4.6		mg/L	0.50	SM5310B-14	1	08/11/2026 03:52	PAG	G
Turbidity	0.85		NTU	0.30	SM2130B-20	1	08/06/2026 08:32	AOO	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464327001	FFMP034W	Field	N/A	
		SW846 6020A	SW846 3015A	
		Lib Search VOC	N/A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9066	SW846 9066	
3464327002	FFMP033W	Field	N/A	
		SW846 6020A	SW846 3015A	
		Lib Search VOC	N/A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9066	SW846 9066	
3464327003	FFMP029W	Field	N/A	
		SW846 6020A	SW846 3015A	
		Lib Search VOC	N/A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9066	SW846 9066	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464327004	FFMP017W	Field	N/A	
		SW846 6020A	SW846 3015A	
		Lib Search VOC	N/A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2510B-21	N/A	
		SM2540C-20	N/A	
		SM4500HB-21	N/A	
		SM5310B-14	N/A	
		SW846 9066	SW846 9066	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464327001	FFMP034W	N/A	N/A	N/A		Field	1565120
		SW846 3015A	1565696	08/17/2026 10:21	J1K	SW846 6020A	1566652
		N/A	N/A	N/A		Lib Search VOC	1565097
		N/A	N/A	N/A		SW846 8260B	1565095
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		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
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464327002	FFMP033W	N/A	N/A	N/A		Field	1565120
		SW846 3015A	1565696	08/17/2026 10:21	J1K	SW846 6020A	1566652
		N/A	N/A	N/A		Lib Search VOC	1565097
		N/A	N/A	N/A		SW846 8260B	1565095
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		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
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464327003	FFMP029W	N/A	N/A	N/A		Field	1565120
		SW846 3015A	1565696	08/17/2026 10:21	J1K	SW846 6020A	1566652
		N/A	N/A	N/A		Lib Search VOC	1565097
		N/A	N/A	N/A		SW846 8260B	1565095
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 410.4	1564745
		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
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464327004	FFMP017W	N/A	N/A	N/A		Field	1565120
		SW846 3015A	1565696	08/17/2026 10:21	J1K	SW846 6020A	1566652
		N/A	N/A	N/A		Lib Search VOC	1565097
		N/A	N/A	N/A		SW846 8260B	1565095
		N/A	N/A	N/A		EPA 300.0	1564554
		N/A	N/A	N/A		EPA 300.0	1565126
		N/A	N/A	N/A		EPA 410.4	1564745
		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
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1566360

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 #: 3464327
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/#: Frey Farm Quarterly GWMP
Bill To: Lancaster County Solid Waste MA
Purchase Order #:

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

	Container Type	AG	AN	CG	P	P			P	P	
	Container Size	40ml	125ml	40ml	500ml	250ml			250ml	125ml	
	Preservative	HCL	H2SO4	HCL	UNP	UNP			H2SO4	HNO3	
	Orthophosphate Filtered?			Yes	No	Hexavalent Chromium Filtered?				Yes	No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	TOC	O-OH	VOC Form 19Q	pH, CL, SpC, F, SO4, NO3, Tb, TDS	Alkalinity, Bicarbonate	FM	Sample Debth for AUX Data	NH3-N, COD	Metals Fe,Mn,Na,Ca,K,Mg	
							Enter Number of Containers Per Sample or Field Results Below.									
1	FFMP034W	8/5/26	10:25		G	GW	2	1	3	1	1	x	x	1	2	
2	FFMP033W	8/5/26	10:25		G	GW	2	1	2	1	1	X	X	1	2	
3	FFMP029W	8/5/26	11:37		G	GW	2	1	2	1	1	X	X	1	2	
4	FFMP017W	8/5/26	13:31		G	GW	2	1	2	1	1	X	X	1	2	
5									HCh 8-5-26							
6																
7																
8																
9																
10																

Receipt Information (completed by Receiving Lab)
Temp Taken By: Therm ID: 6419 WO Temp (°C) 3
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

Sampling Hours

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

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

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
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 LCSWMA Workorder 3464327

Temp °C 3 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)				
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 Frey Farm Quarterly GWMP
Workorder 3464587
Report ID 525562 on 8/19/2026

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
3464587001	FFMP02SW	Ground Water	08/05/2026 16:50	08/06/2026 14:30	C	
3464587002	TRIP BLANK	Ground Water	08/05/2026 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 QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Chloride. The % Recovery was reported as 139 and the control limits were 80 to 120.
3	Analyte was analyzed past the 48 hour holding time.
4	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Nitrate-N. The % Recovery was reported as 888 and the control limits were 80 to 120.
5	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.
6	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Sulfate. The % Recovery was reported as 230 and the control limits were 80 to 120.

Detected Results Summary

Client Sample ID	FFMP02SW	Collected	08/05/2026 16:50
Lab Sample ID	3464587001	Lab Receipt	08/06/2026 14:30

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	15.95	Feet		Field	#
Dissolved Oxygen	8.00	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	509.90	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	493.95	ft/MSL		Field	#
Oxidation-Reduction Potential	150	mV		Field	#
pH, Field (SM4500B)	6.05	pH_Units		Field	#
Sample Depth	18.00	Feet		Field	#
Specific Conductance, Field	125	umhos/cm	1	Field	#
Temperature	20.79	Deg. C		Field	#
Total Well Depth	22.70	Feet		Field	#
Turbidity, Field	22	NTU	1	Field	#
Volume in Water Column	4.39	Gallons		Field	#
Water Level After Purge	16.27	Feet		Field	#
Well Volumes Purged	2.08	Vol		Field	#
METALS					
Calcium, Total	24.3	mg/L	0.11	SW846 6010C	#
Magnesium, Total	8.0	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.0058	mg/L	0.0056	SW846 6010C	#
Potassium, Total	3.8	mg/L	0.56	SW846 6010C	#
Sodium, Total	42.0	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	34	mg/L	5	SM2320B-21	#
Alkalinity, Total	34	mg/L	5	SM2320B-21	#
Chloride	51.8	mg/L	0.50	EPA 300.0	#
pH	6.33	pH_Units		SM4500HB-21	#
Specific Conductance	470	umhos/cm	5	SW846 9050A	#
Sulfate	40.6	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	268	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.5	mg/L	0.50	SW846 9060A	#
Turbidity	4.3	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	FFMP02SW	Collected	08/05/2026 16:50
Lab Sample ID	3464587001	Lab Receipt	08/06/2026 14:30

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	15.95		Feet		Field	1	08/05/2026 16:16	EMP	D
Dissolved Oxygen	8.00		mg/L	0.01	Field	1	08/05/2026 16:16	EMP	D
Elev Top MW Casing above MSL	509.90		Feet		Field	1	08/05/2026 16:16	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/05/2026 16:16	EMP	D
Ground Water Elevation	493.95		ft/MSL		Field	1	08/05/2026 16:16	EMP	D
Oxidation-Reduction Potential	150		mV		Field	1	08/05/2026 16:16	EMP	D
pH, Field (SM4500B)	6.05		pH_Units		Field	1	08/05/2026 16:16	EMP	D
Sample Depth	18.00		Feet		Field	1	08/05/2026 16:16	EMP	D
Specific Conductance, Field	125		umhos/cm	1	Field	1	08/05/2026 16:16	EMP	D
Temperature	20.79		Deg. C		Field	1	08/05/2026 16:16	EMP	D
Total Well Depth	22.70		Feet		Field	1	08/05/2026 16:16	EMP	D
Turbidity, Field	22		NTU	1	Field	1	08/05/2026 16:16	EMP	D
Volume in Water Column	4.39		Gallons		Field	1	08/05/2026 16:16	EMP	D
Water Level After Purge	16.27		Feet		Field	1	08/05/2026 16:16	EMP	D
Well Volumes Purged	2.08		Vol		Field	1	08/05/2026 16:16	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	24.3		mg/L	0.11	SW846 6010C	1	08/18/2026 10:56	MSY	J1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/18/2026 10:56	MSY	J1
Magnesium, Total	8.0		mg/L	0.11	SW846 6010C	1	08/18/2026 10:56	MSY	J1
Manganese, Total	0.0058		mg/L	0.0056	SW846 6010C	1	08/18/2026 10:56	MSY	J1
Potassium, Total	3.8		mg/L	0.56	SW846 6010C	1	08/18/2026 10:56	MSY	J1
Sodium, Total	42.0		mg/L	0.56	SW846 6010C	1	08/18/2026 10:56	MSY	J1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 19:53	TMP	H

Results

Client Sample ID	FFMP02SW	Collected	08/05/2026 16:50
Lab Sample ID	3464587001	Lab Receipt	08/06/2026 14:30

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	62 – 133	08/11/2026 19:53	
4-Bromofluorobenzene	460-00-4	104%	79 – 114	08/11/2026 19:53	
Dibromofluoromethane	1868-53-7	96.5%	78 – 116	08/11/2026 19:53	
Toluene-d8	2037-26-5	105%	76 – 127	08/11/2026 19:53	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	34		mg/L	5	SM2320B-21	1	08/10/2026 11:36	CMO	B
Alkalinity, Total	34	1	mg/L	5	SM2320B-21	1	08/10/2026 11:36	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/13/2026 19:17	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/12/2026 12:09	KMS	A
Chloride	51.8	2	mg/L	0.50	EPA 300.0	2	08/08/2026 14:35	AOO	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/08/2026 14:35	AOO	B
Nitrate-N	ND	ND,3,4	mg/L	0.050	EPA 300.0	2	08/08/2026 14:35	AOO	B
pH	6.33	5	pH_Units		SM4500HB-21	1	08/10/2026 11:36	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 16:54	DJH	G
Specific Conductance	470		umhos/cm	5	SW846 9050A	1	08/10/2026 11:44	CMO	B
Sulfate	40.6	6	mg/L	0.50	EPA 300.0	2	08/08/2026 14:35	AOO	B
Total Dissolved Solids	268		mg/L	25	SM2540C-15	1	08/11/2026 18:15	RAG	B
Total Organic Carbon (TOC)	1.5		mg/L	0.50	SW846 9060A	1	08/13/2026 03:11	PAG	E
Turbidity	4.3		NTU	0.30	SM2130B-20	1	08/07/2026 16:10	NPF	B

Results

Client Sample ID	TRIP BLANK	Collected	08/05/2026 00:00
Lab Sample ID	3464587002	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	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/11/2026 13:39	TMP	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	96.3%	62 – 133	08/11/2026 13:39	
4-Bromofluorobenzene	460-00-4	99.5%	79 – 114	08/11/2026 13:39	
Dibromofluoromethane	1868-53-7	95.5%	78 – 116	08/11/2026 13:39	
Toluene-d8	2037-26-5	103%	76 – 127	08/11/2026 13:39	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464587001	FFMP02SW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464587002	TRIP BLANK	SW846 8260B	N/A	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464587001	FFMP02SW	N/A	N/A	N/A		Field	1565101
		SW846 3015A	1565754	08/17/2026 14:44	J1K	SW846 6010C	1565838
		N/A	N/A	N/A		SW846 8260B	1565095
		N/A	N/A	N/A		EPA 300.0	1564811
		N/A	N/A	N/A		EPA 410.4	1565240
		N/A	N/A	N/A		S4500NH3G-21	1564961
		N/A	N/A	N/A		SM2130B-20	1564799
		N/A	N/A	N/A		SM2320B-21	1564906
		N/A	N/A	N/A		SM2540C-15	1564991
		N/A	N/A	N/A		SM4500HB-21	1564906
		N/A	N/A	N/A		SW846 9050A	1564932
		N/A	N/A	N/A		SW846 9060A	1565294
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464587002	TRIP BLANK	N/A	N/A	N/A		SW846 8260B	1565095

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.

3464587
Logged By: T_H
PM: SIW

COC #:
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/#: Frey Farm Quarterly GWMP
Bill To: Lancaster County Solid Waste MA
Purchase Order #:

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

Date Required: **Approved?**
Email? [x] dbrown@lcswma.org

	Container Type	AG	AN	CG	P	P			P	P	
	Container Size	40ml	125ml	40ml	500ml	250ml			250ml	125ml	
	Preservative	HCL	H2SO4	HCL	UNP	UNP			H2SO4	HNO3	
	Orthophosphate Filtered?			Yes	No	Hexavalent Chromium Filtered?				Yes	No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	TOC	O-OH	VOC Form 19Q	pH, Cl, SpC, F, SO4, NO3, Tb, TDS	Alkalinity, Bicarbonate	FM	Sample Debth for AUX Data	NH3-N, COD	Metals Fe,Mn,Na,Ca,K,Mg	
							Enter Number of Containers Per Sample or Field Results Below.									
1	FFMP02SW	8/5/26	16:50		G	GW	2	1	3	1	1	x	x	1	2	
2	Trip Blank								2	HCl 8-7-26						
3																
4																
5																
6																
7																
8																
9																
10																

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	

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

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

Sample/COC Remarks

Sampling Hours

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

Data Deliverables
[ ] Standard Lvl 1 [ ] 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 3464587

Temp °C 5 Therm ID 352 Ice? (Y) N N/A Initials & Date FLH 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		✓		UC
•Composite or grab	✓			
•Matrix				
Proper containers, preservation, and volume per method				
Received within hold time				
Containers intact				
Trip blanks present (EPA 504, EPA 524)	✓			
Field blanks present (Hg 1631, PFAS)			✓	
NJ ≤ 4 Days				
CR6 Samples Filtered				
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			✓	

[1] *If No, provide comment*

Rad Screen (uCi) —

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

Review Comments:

_____

_____

_____

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 Frey Farm Quarterly GWMP
Workorder 3464145
Report ID 526286 on 8/24/2026

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
3464145001	FFMP038W	Ground Water	08/04/2026 08:49	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145002	FFMP039W	Ground Water	08/04/2026 09:39	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145003	FFMP26RW	Ground Water	08/04/2026 10:03	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145004	FFMP005W	Ground Water	08/04/2026 10:46	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145005	FFMP04AW	Ground Water	08/04/2026 12:34	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145006	FFMP30RW	Ground Water	08/04/2026 13:10	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145007	FFMP036W	Ground Water	08/04/2026 15:19	08/04/2026 16:45	EMP	ALS Environmental-Middletown
3464145008	FFMP03AW	Ground Water	08/04/2026 13:31	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 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 MSD for method SW846 9066 was outside the control limits for the analyte Phenolics. The RPD was reported as 12.3 and the upper control limit is 10.
4	The QC sample type MSD for method SW846 9066 was outside the control limits for the analyte Phenolics. The % Recovery was reported as 118 and the control limits were 90 to 110.

Detected Results Summary

Client Sample ID	FFMP038W	Collected	08/04/2026 08:49
Lab Sample ID	3464145001	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	15.78	Feet		Field	#
Dissolved Oxygen	0.89	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	454.05	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	438.27	ft/MSL		Field	#
Oxidation-Reduction Potential	-21	mV		Field	#
pH, Field (SM4500B)	6.55	pH_Units		Field	#
Sample Depth	45.00	Feet		Field	#
Specific Conductance, Field	1059	umhos/cm	1	Field	#
Temperature	14.36	Deg. C		Field	#
Total Well Depth	52.00	Feet		Field	#
Turbidity, Field	106	NTU	1	Field	#
Volume in Water Column	53.24	Gallons		Field	#
Water Level After Purge	16.00	Feet		Field	#
Well Volumes Purged	0.00	Vol		Field	#
METALS					
Calcium, Total	85.7	mg/L	0.11	SW846 6010C	#
Iron, Total	10.7	mg/L	0.067	SW846 6010C	#
Magnesium, Total	29.2	mg/L	0.11	SW846 6010C	#
Manganese, Total	1.3	mg/L	0.0056	SW846 6010C	#
Potassium, Total	7.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	81.8	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	79	mg/L	5	SM2320B-21	#
Alkalinity, Total	79	mg/L	5	SM2320B-21	#
Ammonia-N, Low Level	0.19	mg/L	0.10	S4500NH3G-21	#
Chloride	281	mg/L	1.3	EPA 300.0	#
Nitrate-N	0.51	mg/L	0.13	EPA 300.0	#
pH	6.91	pH_Units		SM4500HB-21	#
Specific Conductance	1160	umhos/cm	5	SW846 9050A	#
Sulfate	21.7	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	770	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.2	mg/L	0.50	SW846 9060A	#
Turbidity	75	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP039W	Collected	08/04/2026 09:39
Lab Sample ID	3464145002	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	22.32	Feet		Field	#
Dissolved Oxygen	0.17	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	455.65	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	433.33	ft/MSL		Field	#
Oxidation-Reduction Potential	-209	mV		Field	#
pH, Field (SM4500B)	7.80	pH_Units		Field	#
Sample Depth	118.00	Feet		Field	#
Specific Conductance, Field	472	umhos/cm	1	Field	#
Temperature	14.14	Deg. C		Field	#
Total Well Depth	131.50	Feet		Field	#
Turbidity, Field	12	NTU	1	Field	#
Volume in Water Column	160.49	Gallons		Field	#
Water Level After Purge	29.20	Feet		Field	#
Well Volumes Purged	0.00	Vol		Field	#
METALS					
Calcium, Total	73.0	mg/L	0.11	SW846 6010C	#
Iron, Total	2.9	mg/L	0.067	SW846 6010C	#
Magnesium, Total	6.5	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.072	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	12.9	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	81	mg/L	5	SM2320B-21	#
Alkalinity, Total	81	mg/L	5	SM2320B-21	#
Chloride	98.3	mg/L	0.50	EPA 300.0	#
pH	8.06	pH_Units		SM4500HB-21	#
Specific Conductance	531	umhos/cm	5	SW846 9050A	#
Sulfate	13.3	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	388	mg/L	25	SM2540C-15	#
Turbidity	17	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP26RW	Collected	08/04/2026 10:03
Lab Sample ID	3464145003	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	84.07	Feet		Field	#
Dissolved Oxygen	1.77	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	547.70	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	463.63	ft/MSL		Field	#
Oxidation-Reduction Potential	156	mV		Field	#
pH, Field (SM4500B)	5.60	pH_Units		Field	#
Sample Depth	105.00	Feet		Field	#
Specific Conductance, Field	927	umhos/cm	1	Field	#
Temperature	15.46	Deg. C		Field	#
Total Well Depth	118.30	Feet		Field	#
Turbidity, Field	120	NTU	1	Field	#
Volume in Water Column	50.32	Gallons		Field	#
Water Level After Purge	84.50	Feet		Field	#
Well Volumes Purged	0.05	Vol		Field	#
METALS					
Calcium, Total	99.3	mg/L	0.11	SW846 6010C	#
Magnesium, Total	25.0	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.66	mg/L	0.0056	SW846 6010C	#
Potassium, Total	9.2	mg/L	0.56	SW846 6010C	#
Sodium, Total	81.8	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	56	mg/L	5	SM2320B-21	#
Alkalinity, Total	56	mg/L	5	SM2320B-21	#
Chloride	259	mg/L	1.3	EPA 300.0	#
Nitrate-N	2.4	mg/L	0.13	EPA 300.0	#
pH	6.14	pH_Units		SM4500HB-21	#
Specific Conductance	1200	umhos/cm	5	SW846 9050A	#
Sulfate	83.7	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	818	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.8	mg/L	0.50	SW846 9060A	#
Turbidity	1.8	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP005W	Collected	08/04/2026 10:46
Lab Sample ID	3464145004	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	74.22	Feet		Field	#
Dissolved Oxygen	0.93	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	537.40	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	463.18	ft/MSL		Field	#
Oxidation-Reduction Potential	235	mV		Field	#
pH, Field (SM4500B)	5.58	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	907	umhos/cm	1	Field	#
Temperature	15.05	Deg. C		Field	#
Total Well Depth	149.70	Feet		Field	#
Turbidity, Field	7	NTU	1	Field	#
Volume in Water Column	110.96	Gallons		Field	#
Water Level After Purge	74.65	Feet		Field	#
Well Volumes Purged	0.02	Vol		Field	#
METALS					
Calcium, Total	92.0	mg/L	0.11	SW846 6010C	#
Magnesium, Total	21.9	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.14	mg/L	0.0056	SW846 6010C	#
Potassium, Total	3.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	56.4	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	60	mg/L	5	SM2320B-21	#
Alkalinity, Total	60	mg/L	5	SM2320B-21	#
Chloride	211	mg/L	1.3	EPA 300.0	#
Nitrate-N	2.2	mg/L	0.13	EPA 300.0	#
pH	6.33	pH_Units		SM4500HB-21	#
Specific Conductance	983	umhos/cm	5	SW846 9050A	#
Sulfate	68.5	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	650	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.4	mg/L	0.50	SW846 9060A	#
Turbidity	0.40	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP04AW	Collected	08/04/2026 12:34
Lab Sample ID	3464145005	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	37.40	Feet		Field	#
Dissolved Oxygen	0.84	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	560.72	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	523.32	ft/MSL		Field	#
Oxidation-Reduction Potential	103	mV		Field	#
pH, Field (SM4500B)	7.07	pH_Units		Field	#
Sample Depth	146.00	Feet		Field	#
Specific Conductance, Field	1335	umhos/cm	1	Field	#
Temperature	13.39	Deg. C		Field	#
Total Well Depth	148.50	Feet		Field	#
Turbidity, Field	60	NTU	1	Field	#
Volume in Water Column	163.32	Gallons		Field	#
Water Level After Purge	53.07	Feet		Field	#
Well Volumes Purged	0.05	Vol		Field	#
METALS					
Calcium, Total	157	mg/L	0.11	SW846 6010C	#
Magnesium, Total	26.8	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.66	mg/L	0.0056	SW846 6010C	#
Potassium, Total	3.3	mg/L	0.56	SW846 6010C	#
Sodium, Total	95.1	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	184	mg/L	5	SM2320B-21	#
Alkalinity, Total	184	mg/L	5	SM2320B-21	#
Chloride	324	mg/L	1.3	EPA 300.0	#
Nitrate-N	0.47	mg/L	0.13	EPA 300.0	#
pH	7.57	pH_Units		SM4500HB-21	#
Specific Conductance	1490	umhos/cm	5	SW846 9050A	#
Sulfate	60.6	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	970	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.83	mg/L	0.50	SW846 9060A	#
Turbidity	1.3	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP30RW	Collected	08/04/2026 13:10
Lab Sample ID	3464145006	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	36.75	Feet		Field	#
Dissolved Oxygen	0.81	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	562.30	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	525.55	ft/MSL		Field	#
Oxidation-Reduction Potential	596	mV		Field	#
pH, Field (SM4500B)	5.62	pH_Units		Field	#
Sample Depth	85.00	Feet		Field	#
Specific Conductance, Field	1208	umhos/cm	1	Field	#
Temperature	14.15	Deg. C		Field	#
Total Well Depth	94.20	Feet		Field	#
Turbidity, Field	6	NTU	1	Field	#
Volume in Water Column	84.45	Gallons		Field	#
Water Level After Purge	37.42	Feet		Field	#
Well Volumes Purged	0.10	Vol		Field	#
METALS					
Calcium, Total	75.3	mg/L	0.11	SW846 6010C	#
Magnesium, Total	21.2	mg/L	0.11	SW846 6010C	#
Manganese, Total	3.3	mg/L	0.0056	SW846 6010C	#
Potassium, Total	12.4	mg/L	0.56	SW846 6010C	#
Sodium, Total	174	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	53	mg/L	5	SM2320B-21	#
Alkalinity, Total	53	mg/L	5	SM2320B-21	#
Chloride	348	mg/L	1.3	EPA 300.0	#
Nitrate-N	4.8	mg/L	0.13	EPA 300.0	#
pH	6.56	pH_Units		SM4500HB-21	#
Specific Conductance	1510	umhos/cm	5	SW846 9050A	#
Sulfate	74.1	mg/L	1.3	EPA 300.0	#
Total Dissolved Solids	904	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.2	mg/L	0.50	SW846 9060A	#
Turbidity	0.60	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP036W	Collected	08/04/2026 15:19
Lab Sample ID	3464145007	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	44.41	Feet		Field	#
Dissolved Oxygen	0.58	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	478.23	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	433.82	ft/MSL		Field	#
Oxidation-Reduction Potential	-186	mV		Field	#
pH, Field (SM4500B)	7.87	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	446	umhos/cm	1	Field	#
Temperature	14.09	Deg. C		Field	#
Total Well Depth	142.60	Feet		Field	#
Turbidity, Field	146	NTU	1	Field	#
Volume in Water Column	144.34	Gallons		Field	#
Water Level After Purge	51.02	Feet		Field	#
Well Volumes Purged	0.06	Vol		Field	#
METALS					
Calcium, Total	76.6	mg/L	0.11	SW846 6010C	#
Iron, Total	0.97	mg/L	0.067	SW846 6010C	#
Magnesium, Total	7.8	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.14	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	19.0	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	144	mg/L	5	SM2320B-21	#
Alkalinity, Total	144	mg/L	5	SM2320B-21	#
Chloride	43.9	mg/L	0.50	EPA 300.0	#
pH	8.18	pH_Units		SM4500HB-21	#
Specific Conductance	514	umhos/cm	5	SW846 9050A	#
Sulfate	49.2	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	326	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.58	mg/L	0.50	SW846 9060A	#
Turbidity	12	NTU	0.30	SM2130B-20	#

Detected Results Summary

Client Sample ID	FFMP03AW	Collected	08/04/2026 13:31
Lab Sample ID	3464145008	Lab Receipt	08/04/2026 16:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	53.66	Feet		Field	#
Dissolved Oxygen	3.07	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	590.90	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	537.24	ft/MSL		Field	#
Oxidation-Reduction Potential	169	mV		Field	#
pH, Field (SM4500B)	5.75	pH_Units		Field	#
Sample Depth	130.00	Feet		Field	#
Specific Conductance, Field	432	umhos/cm	1	Field	#
Temperature	14.33	Deg. C		Field	#
Total Well Depth	148.40	Feet		Field	#
Volume in Water Column	139.27	Gallons		Field	#
Water Level After Purge	55.02	Feet		Field	#
Well Volumes Purged	0.00	Vol		Field	#
METALS					
Calcium, Total	44.2	mg/L	0.11	SW846 6010C	#
Magnesium, Total	19.0	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.024	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	18.9	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	65	mg/L	5	SM2320B-21	#
Alkalinity, Total	65	mg/L	5	SM2320B-21	#
Chloride	62.2	mg/L	0.50	EPA 300.0	#
Nitrate-N	18.5	mg/L	0.050	EPA 300.0	#
pH	6.41	pH_Units		SM4500HB-21	#
Specific Conductance	510	umhos/cm	5	SW846 9050A	#
Sulfate	2.2	mg/L	0.50	EPA 300.0	#
Total Dissolved Solids	342	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.52	mg/L	0.50	SW846 9060A	#
Turbidity	0.60	NTU	0.30	SM2130B-20	#

Results

Client Sample ID	FFMP038W	Collected	08/04/2026 08:49
Lab Sample ID	3464145001	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	15.78		Feet		Field	1	08/04/2026 08:49	J_D	D
Dissolved Oxygen	0.89		mg/L	0.01	Field	1	08/04/2026 08:49	J_D	D
Elev Top MW Casing above MSL	454.05		Feet		Field	1	08/04/2026 08:49	J_D	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 08:49	J_D	D
Ground Water Elevation	438.27		ft/MSL		Field	1	08/04/2026 08:49	J_D	D
Oxidation-Reduction Potential	-21		mV		Field	1	08/04/2026 08:49	J_D	D
pH, Field (SM4500B)	6.55		pH_Units		Field	1	08/04/2026 08:49	J_D	D
Sample Depth	45.00		Feet		Field	1	08/04/2026 08:49	J_D	D
Specific Conductance, Field	1059		umhos/cm	1	Field	1	08/04/2026 08:49	J_D	D
Temperature	14.36		Deg. C		Field	1	08/04/2026 08:49	J_D	D
Total Well Depth	52.00		Feet		Field	1	08/04/2026 08:49	J_D	D
Turbidity, Field	106		NTU	1	Field	1	08/04/2026 08:49	J_D	D
Volume in Water Column	53.24		Gallons		Field	1	08/04/2026 08:49	J_D	D
Water Level After Purge	16.00		Feet		Field	1	08/04/2026 08:49	J_D	D
Well Volumes Purged	0.00		Vol		Field	1	08/04/2026 08:49	J_D	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	85.7		mg/L	0.11	SW846 6010C	1	08/17/2026 14:22	MSY	K1
Iron, Total	10.7		mg/L	0.067	SW846 6010C	1	08/17/2026 14:22	MSY	K1
Magnesium, Total	29.2		mg/L	0.11	SW846 6010C	1	08/17/2026 14:22	MSY	K1
Manganese, Total	1.3		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:22	MSY	K1
Potassium, Total	7.1		mg/L	0.56	SW846 6010C	1	08/17/2026 14:22	MSY	K1
Sodium, Total	81.8		mg/L	0.56	SW846 6010C	1	08/17/2026 14:22	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:35	CMQ	H

Results

Client Sample ID	FFMP038W	Collected	08/04/2026 08:49
Lab Sample ID	3464145001	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	08/06/2026 13:35	
4-Bromofluorobenzene	460-00-4	104%	79 – 114	08/06/2026 13:35	
Dibromofluoromethane	1868-53-7	99.9%	78 – 116	08/06/2026 13:35	
Toluene-d8	2037-26-5	105%	76 – 127	08/06/2026 13:35	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	79		mg/L	5	SM2320B-21	1	08/05/2026 15:40	CMO	B
Alkalinity, Total	79	1	mg/L	5	SM2320B-21	1	08/05/2026 15:40	CMO	B
Ammonia-N, Low Level	0.19		mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:15	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	281		mg/L	1.3	EPA 300.0	5	08/05/2026 13:48	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/05/2026 13:48	J1W	B
Nitrate-N	0.51		mg/L	0.13	EPA 300.0	5	08/05/2026 13:48	J1W	B
pH	6.91	2	pH_Units		SM4500HB-21	1	08/05/2026 15:40	CMO	B
Phenolics	ND	ND,3,4	mg/L	0.004	SW846 9066	1	08/21/2026 20:24	DJH	G
Specific Conductance	1160		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	21.7		mg/L	1.3	EPA 300.0	5	08/05/2026 13:48	J1W	B
Total Dissolved Solids	770		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	1.2		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	75		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP039W	Collected	08/04/2026 09:39
Lab Sample ID	3464145002	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	22.32		Feet		Field	1	08/04/2026 09:37	J_D	D
Dissolved Oxygen	0.17		mg/L	0.01	Field	1	08/04/2026 09:37	J_D	D
Elev Top MW Casing above MSL	455.65		Feet		Field	1	08/04/2026 09:37	J_D	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 09:37	J_D	D
Ground Water Elevation	433.33		ft/MSL		Field	1	08/04/2026 09:37	J_D	D
Oxidation-Reduction Potential	-209		mV		Field	1	08/04/2026 09:37	J_D	D
pH, Field (SM4500B)	7.80		pH_Units		Field	1	08/04/2026 09:37	J_D	D
Sample Depth	118.00		Feet		Field	1	08/04/2026 09:37	J_D	D
Specific Conductance, Field	472		umhos/cm	1	Field	1	08/04/2026 09:37	J_D	D
Temperature	14.14		Deg. C		Field	1	08/04/2026 09:37	J_D	D
Total Well Depth	131.50		Feet		Field	1	08/04/2026 09:37	J_D	D
Turbidity, Field	12		NTU	1	Field	1	08/04/2026 09:37	J_D	D
Volume in Water Column	160.49		Gallons		Field	1	08/04/2026 09:37	J_D	D
Water Level After Purge	29.20		Feet		Field	1	08/04/2026 09:37	J_D	D
Well Volumes Purged	0.00		Vol		Field	1	08/04/2026 09:37	J_D	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	73.0		mg/L	0.11	SW846 6010C	1	08/17/2026 14:25	MSY	K1
Iron, Total	2.9		mg/L	0.067	SW846 6010C	1	08/17/2026 14:25	MSY	K1
Magnesium, Total	6.5		mg/L	0.11	SW846 6010C	1	08/17/2026 14:25	MSY	K1
Manganese, Total	0.072		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:25	MSY	K1
Potassium, Total	1.1		mg/L	0.56	SW846 6010C	1	08/17/2026 14:25	MSY	K1
Sodium, Total	12.9		mg/L	0.56	SW846 6010C	1	08/17/2026 14:25	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 13:57	CMQ	H

Results

Client Sample ID	FFMP039W	Collected	08/04/2026 09:39
Lab Sample ID	3464145002	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	101%	62 – 133	08/06/2026 13:57	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	08/06/2026 13:57	
Dibromofluoromethane	1868-53-7	98.9%	78 – 116	08/06/2026 13:57	
Toluene-d8	2037-26-5	105%	76 – 127	08/06/2026 13:57	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	81		mg/L	5	SM2320B-21	1	08/05/2026 15:51	CMO	B
Alkalinity, Total	81	1	mg/L	5	SM2320B-21	1	08/05/2026 15:51	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:18	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	98.3		mg/L	0.50	EPA 300.0	2	08/05/2026 14:02	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/05/2026 14:02	J1W	B
Nitrate-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/05/2026 14:02	J1W	B
pH	8.06	2	pH_Units		SM4500HB-21	1	08/05/2026 15:51	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/21/2026 20:34	DJH	G
Specific Conductance	531		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	13.3		mg/L	0.50	EPA 300.0	2	08/05/2026 14:02	J1W	B
Total Dissolved Solids	388		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	17		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP26RW	Collected	08/04/2026 10:03
Lab Sample ID	3464145003	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	84.07		Feet		Field	1	08/04/2026 10:02	EMP	D
Dissolved Oxygen	1.77		mg/L	0.01	Field	1	08/04/2026 10:02	EMP	D
Elev Top MW Casing above MSL	547.70		Feet		Field	1	08/04/2026 10:02	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 10:02	EMP	D
Ground Water Elevation	463.63		ft/MSL		Field	1	08/04/2026 10:02	EMP	D
Oxidation-Reduction Potential	156		mV		Field	1	08/04/2026 10:02	EMP	D
pH, Field (SM4500B)	5.60		pH_Units		Field	1	08/04/2026 10:02	EMP	D
Sample Depth	105.00		Feet		Field	1	08/04/2026 10:02	EMP	D
Specific Conductance, Field	927		umhos/cm	1	Field	1	08/04/2026 10:02	EMP	D
Temperature	15.46		Deg. C		Field	1	08/04/2026 10:02	EMP	D
Total Well Depth	118.30		Feet		Field	1	08/04/2026 10:02	EMP	D
Turbidity, Field	120		NTU	1	Field	1	08/04/2026 10:02	EMP	D
Volume in Water Column	50.32		Gallons		Field	1	08/04/2026 10:02	EMP	D
Water Level After Purge	84.50		Feet		Field	1	08/04/2026 10:02	EMP	D
Well Volumes Purged	0.05		Vol		Field	1	08/04/2026 10:02	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	99.3		mg/L	0.11	SW846 6010C	1	08/17/2026 14:27	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:27	MSY	K1
Magnesium, Total	25.0		mg/L	0.11	SW846 6010C	1	08/17/2026 14:27	MSY	K1
Manganese, Total	0.66		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:27	MSY	K1
Potassium, Total	9.2		mg/L	0.56	SW846 6010C	1	08/17/2026 14:27	MSY	K1
Sodium, Total	81.8		mg/L	0.56	SW846 6010C	1	08/17/2026 14:27	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:20	CMQ	H

Results

Client Sample ID	FFMP26RW	Collected	08/04/2026 10:03
Lab Sample ID	3464145003	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	08/06/2026 14:20	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	08/06/2026 14:20	
Dibromofluoromethane	1868-53-7	100%	78 – 116	08/06/2026 14:20	
Toluene-d8	2037-26-5	108%	76 – 127	08/06/2026 14:20	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	56		mg/L	5	SM2320B-21	1	08/05/2026 16:05	CMO	B
Alkalinity, Total	56	1	mg/L	5	SM2320B-21	1	08/05/2026 16:05	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:21	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	259		mg/L	1.3	EPA 300.0	5	08/05/2026 14:58	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/05/2026 14:58	J1W	B
Nitrate-N	2.4		mg/L	0.13	EPA 300.0	5	08/05/2026 14:58	J1W	B
pH	6.14	2	pH_Units		SM4500HB-21	1	08/05/2026 16:05	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 20:24	DJH	G
Specific Conductance	1200		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	83.7		mg/L	1.3	EPA 300.0	5	08/05/2026 14:58	J1W	B
Total Dissolved Solids	818		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	1.8		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	1.8		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP005W	Collected	08/04/2026 10:46
Lab Sample ID	3464145004	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	74.22		Feet		Field	1	08/04/2026 10:46	EMP	D
Dissolved Oxygen	0.93		mg/L	0.01	Field	1	08/04/2026 10:46	EMP	D
Elev Top MW Casing above MSL	537.40		Feet		Field	1	08/04/2026 10:46	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 10:46	EMP	D
Ground Water Elevation	463.18		ft/MSL		Field	1	08/04/2026 10:46	EMP	D
Oxidation-Reduction Potential	235		mV		Field	1	08/04/2026 10:46	EMP	D
pH, Field (SM4500B)	5.58		pH_Units		Field	1	08/04/2026 10:46	EMP	D
Sample Depth	135.00		Feet		Field	1	08/04/2026 10:46	EMP	D
Specific Conductance, Field	907		umhos/cm	1	Field	1	08/04/2026 10:46	EMP	D
Temperature	15.05		Deg. C		Field	1	08/04/2026 10:46	EMP	D
Total Well Depth	149.70		Feet		Field	1	08/04/2026 10:46	EMP	D
Turbidity, Field	7		NTU	1	Field	1	08/04/2026 10:46	EMP	D
Volume in Water Column	110.96		Gallons		Field	1	08/04/2026 10:46	EMP	D
Water Level After Purge	74.65		Feet		Field	1	08/04/2026 10:46	EMP	D
Well Volumes Purged	0.02		Vol		Field	1	08/04/2026 10:46	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	92.0		mg/L	0.11	SW846 6010C	1	08/17/2026 14:35	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:35	MSY	K1
Magnesium, Total	21.9		mg/L	0.11	SW846 6010C	1	08/17/2026 14:35	MSY	K1
Manganese, Total	0.14		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:35	MSY	K1
Potassium, Total	3.6		mg/L	0.56	SW846 6010C	1	08/17/2026 14:35	MSY	K1
Sodium, Total	56.4		mg/L	0.56	SW846 6010C	1	08/17/2026 14:35	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 14:42	CMQ	H

Results

Client Sample ID	FFMP005W	Collected	08/04/2026 10:46
Lab Sample ID	3464145004	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	08/06/2026 14:42	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	08/06/2026 14:42	
Dibromofluoromethane	1868-53-7	98.6%	78 – 116	08/06/2026 14:42	
Toluene-d8	2037-26-5	105%	76 – 127	08/06/2026 14:42	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	60		mg/L	5	SM2320B-21	1	08/05/2026 16:18	CMO	B
Alkalinity, Total	60	1	mg/L	5	SM2320B-21	1	08/05/2026 16:18	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:24	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	211		mg/L	1.3	EPA 300.0	5	08/05/2026 15:12	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/05/2026 15:12	J1W	B
Nitrate-N	2.2		mg/L	0.13	EPA 300.0	5	08/05/2026 15:12	J1W	B
pH	6.33	2	pH_Units		SM4500HB-21	1	08/05/2026 16:18	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/21/2026 20:37	DJH	G
Specific Conductance	983		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	68.5		mg/L	1.3	EPA 300.0	5	08/05/2026 15:12	J1W	B
Total Dissolved Solids	650		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	1.4		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	0.40		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP04AW	Collected	08/04/2026 12:34
Lab Sample ID	3464145005	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	37.40		Feet		Field	1	08/04/2026 12:34	EMP	D
Dissolved Oxygen	0.84		mg/L	0.01	Field	1	08/04/2026 12:34	EMP	D
Elev Top MW Casing above MSL	560.72		Feet		Field	1	08/04/2026 12:34	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 12:34	EMP	D
Ground Water Elevation	523.32		ft/MSL		Field	1	08/04/2026 12:34	EMP	D
Oxidation-Reduction Potential	103		mV		Field	1	08/04/2026 12:34	EMP	D
pH, Field (SM4500B)	7.07		pH_Units		Field	1	08/04/2026 12:34	EMP	D
Sample Depth	146.00		Feet		Field	1	08/04/2026 12:34	EMP	D
Specific Conductance, Field	1335		umhos/cm	1	Field	1	08/04/2026 12:34	EMP	D
Temperature	13.39		Deg. C		Field	1	08/04/2026 12:34	EMP	D
Total Well Depth	148.50		Feet		Field	1	08/04/2026 12:34	EMP	D
Turbidity, Field	60		NTU	1	Field	1	08/04/2026 12:34	EMP	D
Volume in Water Column	163.32		Gallons		Field	1	08/04/2026 12:34	EMP	D
Water Level After Purge	53.07		Feet		Field	1	08/04/2026 12:34	EMP	D
Well Volumes Purged	0.05		Vol		Field	1	08/04/2026 12:34	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	157		mg/L	0.11	SW846 6010C	1	08/17/2026 14:37	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:37	MSY	K1
Magnesium, Total	26.8		mg/L	0.11	SW846 6010C	1	08/17/2026 14:37	MSY	K1
Manganese, Total	0.66		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:37	MSY	K1
Potassium, Total	3.3		mg/L	0.56	SW846 6010C	1	08/17/2026 14:37	MSY	K1
Sodium, Total	95.1		mg/L	0.56	SW846 6010C	1	08/17/2026 14:37	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:05	CMQ	H

Results

Client Sample ID	FFMP04AW	Collected	08/04/2026 12:34
Lab Sample ID	3464145005	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	08/06/2026 15:05	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	08/06/2026 15:05	
Dibromofluoromethane	1868-53-7	98.7%	78 – 116	08/06/2026 15:05	
Toluene-d8	2037-26-5	107%	76 – 127	08/06/2026 15:05	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	184		mg/L	5	SM2320B-21	1	08/05/2026 16:29	CMO	B
Alkalinity, Total	184	1	mg/L	5	SM2320B-21	1	08/05/2026 16:29	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:28	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	324		mg/L	1.3	EPA 300.0	5	08/05/2026 15:26	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/05/2026 15:26	J1W	B
Nitrate-N	0.47		mg/L	0.13	EPA 300.0	5	08/05/2026 15:26	J1W	B
pH	7.57	2	pH_Units		SM4500HB-21	1	08/05/2026 16:29	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 20:31	DJH	G
Specific Conductance	1490		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	60.6		mg/L	1.3	EPA 300.0	5	08/05/2026 15:26	J1W	B
Total Dissolved Solids	970		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	0.83		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	1.3		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP30RW	Collected	08/04/2026 13:10
Lab Sample ID	3464145006	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	36.75		Feet		Field	1	08/04/2026 13:00	EMP	D
Dissolved Oxygen	0.81		mg/L	0.01	Field	1	08/04/2026 13:00	EMP	D
Elev Top MW Casing above MSL	562.30		Feet		Field	1	08/04/2026 13:00	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 13:00	EMP	D
Ground Water Elevation	525.55		ft/MSL		Field	1	08/04/2026 13:00	EMP	D
Oxidation-Reduction Potential	596		mV		Field	1	08/04/2026 13:00	EMP	D
pH, Field (SM4500B)	5.62		pH_Units		Field	1	08/04/2026 13:00	EMP	D
Sample Depth	85.00		Feet		Field	1	08/04/2026 13:00	EMP	D
Specific Conductance, Field	1208		umhos/cm	1	Field	1	08/04/2026 13:00	EMP	D
Temperature	14.15		Deg. C		Field	1	08/04/2026 13:00	EMP	D
Total Well Depth	94.20		Feet		Field	1	08/04/2026 13:00	EMP	D
Turbidity, Field	6		NTU	1	Field	1	08/04/2026 13:00	EMP	D
Volume in Water Column	84.45		Gallons		Field	1	08/04/2026 13:00	EMP	D
Water Level After Purge	37.42		Feet		Field	1	08/04/2026 13:00	EMP	D
Well Volumes Purged	0.10		Vol		Field	1	08/04/2026 13:00	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	75.3		mg/L	0.11	SW846 6010C	1	08/17/2026 14:40	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:40	MSY	K1
Magnesium, Total	21.2		mg/L	0.11	SW846 6010C	1	08/17/2026 14:40	MSY	K1
Manganese, Total	3.3		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:40	MSY	K1
Potassium, Total	12.4		mg/L	0.56	SW846 6010C	1	08/17/2026 14:40	MSY	K1
Sodium, Total	174		mg/L	0.56	SW846 6010C	1	08/17/2026 14:40	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:27	CMQ	H

Results

Client Sample ID	FFMP30RW	Collected	08/04/2026 13:10
Lab Sample ID	3464145006	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	62 – 133	08/06/2026 15:27	
4-Bromofluorobenzene	460-00-4	109%	79 – 114	08/06/2026 15:27	
Dibromofluoromethane	1868-53-7	106%	78 – 116	08/06/2026 15:27	
Toluene-d8	2037-26-5	111%	76 – 127	08/06/2026 15:27	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	53		mg/L	5	SM2320B-21	1	08/05/2026 16:42	CMO	B
Alkalinity, Total	53	1	mg/L	5	SM2320B-21	1	08/05/2026 16:42	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:37	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	348		mg/L	1.3	EPA 300.0	5	08/05/2026 15:40	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	08/05/2026 15:40	J1W	B
Nitrate-N	4.8		mg/L	0.13	EPA 300.0	5	08/05/2026 15:40	J1W	B
pH	6.56	2	pH_Units		SM4500HB-21	1	08/05/2026 16:42	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/11/2026 20:34	DJH	G
Specific Conductance	1510		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	74.1		mg/L	1.3	EPA 300.0	5	08/05/2026 15:40	J1W	B
Total Dissolved Solids	904		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	1.2		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	0.60		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP036W	Collected	08/04/2026 15:19
Lab Sample ID	3464145007	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	44.41		Feet		Field	1	08/04/2026 15:18	EMP	D
Dissolved Oxygen	0.58		mg/L	0.01	Field	1	08/04/2026 15:18	EMP	D
Elev Top MW Casing above MSL	478.23		Feet		Field	1	08/04/2026 15:18	EMP	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 15:18	EMP	D
Ground Water Elevation	433.82		ft/MSL		Field	1	08/04/2026 15:18	EMP	D
Oxidation-Reduction Potential	-186		mV		Field	1	08/04/2026 15:18	EMP	D
pH, Field (SM4500B)	7.87		pH_Units		Field	1	08/04/2026 15:18	EMP	D
Sample Depth	135.00		Feet		Field	1	08/04/2026 15:18	EMP	D
Specific Conductance, Field	446		umhos/cm	1	Field	1	08/04/2026 15:18	EMP	D
Temperature	14.09		Deg. C		Field	1	08/04/2026 15:18	EMP	D
Total Well Depth	142.60		Feet		Field	1	08/04/2026 15:18	EMP	D
Turbidity, Field	146		NTU	1	Field	1	08/04/2026 15:18	EMP	D
Volume in Water Column	144.34		Gallons		Field	1	08/04/2026 15:18	EMP	D
Water Level After Purge	51.02		Feet		Field	1	08/04/2026 15:18	EMP	D
Well Volumes Purged	0.06		Vol		Field	1	08/04/2026 15:18	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	76.6		mg/L	0.11	SW846 6010C	1	08/17/2026 14:42	MSY	K1
Iron, Total	0.97		mg/L	0.067	SW846 6010C	1	08/17/2026 14:42	MSY	K1
Magnesium, Total	7.8		mg/L	0.11	SW846 6010C	1	08/17/2026 14:42	MSY	K1
Manganese, Total	0.14		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:42	MSY	K1
Potassium, Total	1.1		mg/L	0.56	SW846 6010C	1	08/17/2026 14:42	MSY	K1
Sodium, Total	19.0		mg/L	0.56	SW846 6010C	1	08/17/2026 14:42	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 15:50	CMQ	H

Results

Client Sample ID	FFMP036W	Collected	08/04/2026 15:19
Lab Sample ID	3464145007	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	08/06/2026 15:50	
4-Bromofluorobenzene	460-00-4	105%	79 – 114	08/06/2026 15:50	
Dibromofluoromethane	1868-53-7	102%	78 – 116	08/06/2026 15:50	
Toluene-d8	2037-26-5	110%	76 – 127	08/06/2026 15:50	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	144		mg/L	5	SM2320B-21	1	08/05/2026 17:34	CMO	B
Alkalinity, Total	144	1	mg/L	5	SM2320B-21	1	08/05/2026 17:34	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:44	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	43.9		mg/L	0.50	EPA 300.0	2	08/05/2026 15:54	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/05/2026 15:54	J1W	B
Nitrate-N	ND	ND	mg/L	0.050	EPA 300.0	2	08/05/2026 15:54	J1W	B
pH	8.18	2	pH_Units		SM4500HB-21	1	08/05/2026 17:34	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/21/2026 20:41	DJH	G
Specific Conductance	514		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	49.2		mg/L	0.50	EPA 300.0	2	08/05/2026 15:54	J1W	B
Total Dissolved Solids	326		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	0.58		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	12		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Results

Client Sample ID	FFMP03AW	Collected	08/04/2026 13:31
Lab Sample ID	3464145008	Lab Receipt	08/04/2026 16:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	53.66		Feet		Field	1	08/04/2026 13:30	J_D	D
Dissolved Oxygen	3.07		mg/L	0.01	Field	1	08/04/2026 13:30	J_D	D
Elev Top MW Casing above MSL	590.90		Feet		Field	1	08/04/2026 13:30	J_D	D
Flow Rate	0.07		gal/min		Field	1	08/04/2026 13:30	J_D	D
Ground Water Elevation	537.24		ft/MSL		Field	1	08/04/2026 13:30	J_D	D
Oxidation-Reduction Potential	169		mV		Field	1	08/04/2026 13:30	J_D	D
pH, Field (SM4500B)	5.75		pH_Units		Field	1	08/04/2026 13:30	J_D	D
Sample Depth	130.00		Feet		Field	1	08/04/2026 13:30	J_D	D
Specific Conductance, Field	432		umhos/cm	1	Field	1	08/04/2026 13:30	J_D	D
Temperature	14.33		Deg. C		Field	1	08/04/2026 13:30	J_D	D
Total Well Depth	148.40		Feet		Field	1	08/04/2026 13:30	J_D	D
Turbidity, Field	ND	ND	NTU	1	Field	1	08/04/2026 13:30	J_D	D
Volume in Water Column	139.27		Gallons		Field	1	08/04/2026 13:30	J_D	D
Water Level After Purge	55.02		Feet		Field	1	08/04/2026 13:30	J_D	D
Well Volumes Purged	0.00		Vol		Field	1	08/04/2026 13:30	J_D	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	44.2		mg/L	0.11	SW846 6010C	1	08/17/2026 14:44	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	08/17/2026 14:44	MSY	K1
Magnesium, Total	19.0		mg/L	0.11	SW846 6010C	1	08/17/2026 14:44	MSY	K1
Manganese, Total	0.024		mg/L	0.0056	SW846 6010C	1	08/17/2026 14:44	MSY	K1
Potassium, Total	1.6		mg/L	0.56	SW846 6010C	1	08/17/2026 14:44	MSY	K1
Sodium, Total	18.9		mg/L	0.56	SW846 6010C	1	08/17/2026 14:44	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	08/06/2026 16:35	CMQ	H

Results

Client Sample ID	FFMP03AW	Collected	08/04/2026 13:31
Lab Sample ID	3464145008	Lab Receipt	08/04/2026 16:45

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	62 – 133	08/06/2026 16:35	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	08/06/2026 16:35	
Dibromofluoromethane	1868-53-7	99.7%	78 – 116	08/06/2026 16:35	
Toluene-d8	2037-26-5	106%	76 – 127	08/06/2026 16:35	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	65		mg/L	5	SM2320B-21	1	08/05/2026 17:47	CMO	B
Alkalinity, Total	65	1	mg/L	5	SM2320B-21	1	08/05/2026 17:47	CMO	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	S4500NH3G-21	1	08/07/2026 08:47	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	08/06/2026 10:53	KMS	A
Chloride	62.2		mg/L	0.50	EPA 300.0	2	08/05/2026 16:08	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	08/05/2026 16:08	J1W	B
Nitrate-N	18.5		mg/L	0.050	EPA 300.0	2	08/05/2026 16:08	J1W	B
pH	6.41	2	pH_Units		SM4500HB-21	1	08/05/2026 17:47	CMO	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	08/21/2026 20:58	DJH	G
Specific Conductance	510		umhos/cm	5	SW846 9050A	1	08/07/2026 13:25	CMO	B
Sulfate	2.2		mg/L	0.50	EPA 300.0	2	08/05/2026 16:08	J1W	B
Total Dissolved Solids	342		mg/L	25	SM2540C-15	1	08/08/2026 14:30	BNM	B
Total Organic Carbon (TOC)	0.52		mg/L	0.50	SW846 9060A	1	08/07/2026 04:43	PAG	E
Turbidity	0.60		NTU	0.30	SM2130B-20	1	08/05/2026 09:32	AOO	B

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464145001	FFMP038W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464145002	FFMP039W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464145003	FFMP26RW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464145004	FFMP005W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3464145005	FFMP04AW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464145006	FFMP30RW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464145007	FFMP036W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3464145008	FFMP03AW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500NH3G-21	N/A	
		SM2130B-20	N/A	
		SM2320B-21	N/A	
		SM2540C-15	N/A	
		SM4500HB-21	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464145001	FFMP038W	N/A	N/A	N/A		Field	1565122
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1566360
3464145002	FFMP039W	N/A	N/A	N/A		Field	1565122
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1566360
3464145003	FFMP26RW	N/A	N/A	N/A		Field	1565108
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464145004	FFMP005W	N/A	N/A	N/A		Field	1565101
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1566360

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3464145005	FFMP04AW	N/A	N/A	N/A		Field	1565101
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564647
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464145006	FFMP30RW	N/A	N/A	N/A		Field	1565108
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564652
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1565065
3464145007	FFMP036W	N/A	N/A	N/A		Field	1565108
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564652
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1566360
3464145008	FFMP03AW	N/A	N/A	N/A		Field	1565122
		SW846 3015A	1565709	08/17/2026 11:17	J1K	SW846 6010C	1565734
		N/A	N/A	N/A		SW846 8260B	1564626
		N/A	N/A	N/A		EPA 300.0	1564393
		N/A	N/A	N/A		EPA 410.4	1564572
		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		SM2540C-15	1564801
		N/A	N/A	N/A		SM4500HB-21	1564345
		N/A	N/A	N/A		SW846 9050A	1564627
		N/A	N/A	N/A		SW846 9060A	1564652
		SW846 9066	1564901	08/11/2026 09:24	DJH	SW846 9066	1566360

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 #: 3464145
Logged By: MZP
PM: SIW
ALS Quote #:

Client Name: Lancaster County Solid Waste MA
Address: 1299 Harrisburg Pike, Lancaster PA 17604
Contact: Dan Brown
Phone#: 717-553-5864
Project Name/#: Frey Farm Quarterly GWMP
Bill To: Lancaster County Solid Waste MA
Purchase Order #:
TAT [x] Normal-Standard TAT is 10-12 business days. [ ] Rush-Subject to ALS approval and surcharges.
Date Required: Approved?
Email? [x] dbrown@lcswma.org

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

Orthophosphate Filtered? Yes No Hexavalent Chromium Filtered? Yes No

ANALYSIS / METHOD REQUESTED

	Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yy	Time hh:mm	SDWA Sample Type (see key)	*G or C	**Matrix (See bottom of COC)	TOC	O-OH	VOC Form 19Q	pH, Cl, SpC, F, SO4, NO3, Tb, TDS	Alkalinity, Bicarbonate	FM	Sample Debth for AUX Data	NH3-N, COD	Metals Fe,Mn,Na,Ca,K,Mg	
							Enter Number of Containers Per Sample or Field Results Below.									
1	FFMP038W	8/4/26	08:49		G	GW	2	1	3*	1	1	x	x	1	2	
2	FFMP039W	8/4/26	09:39		G	GW	2	1	2	1	1	X	X	1	2	
3	FFMP26RW	8/4/26	10:03		G	GW	2	1	2	1	1	X	X	1	2	
4	FFMP005W	8/4/26	10:46		G	GW	2	1	2	1	1	X	X	1	2	
5	FFMP04AW	8/4/26	12:34		G	GW	2	1	2	1	1	X	X	1	2	
6	FFMP30RW	8/4/26	13:10		G	GW	2	1	2	1	1	X	X	1	2	
7	FFMP036W	8/4/26	15:19		G	GW	2	1	2	1	1	X	X	1	2	
8	FFMP03AW	8/4/26	13:31		G	GW	2	1	2	1	1	X	X	1	2	
9																
10																

Receipt Info
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

Sampling Hours
* MP 8/4/26

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

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

Comments:

Date:	Time	Relinquished By / Company Name		Received By / Company Name	
8/4/2026	16:45	1 ALS EP		2 MPtr	
		3		4	
		5		6	
		7		8	
		9		10	

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

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

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

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

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

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

Rev 07.06.2023

Middletown Sample Condition Form

Client: Lancaster County Workorder: 3464145

Temp °C: 2° Therm ID: 649 Ice? (Y) N N/A Initials & Date: DB 8/9/26

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:

_____

_____

_____

8/24/2026 2:31 PM