2540-FM-BWM0041 Rev. 6/2005

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
11/06/2026
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 (DD 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 o 57 ' 31.2 " — Longitude: 76 o 27 ' 23.53 "

Depth to Water Level: 69.36 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.38 ft — Elevation of Water Level: 543.3 ft./MSL

Sampling Depth: 130 ft — Volume of Water Column: 103.75 gal

Total Well Depth: 140 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): 11/4/2025 — Sample Collection Time: 10:09

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): 3441699001 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP031W
Sample Date	11/4/2025

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	132	SM20-2320B
CALCIUM, TOTAL	76.2	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	22.1	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	96	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	4.8	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	490	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	1.4	EPA 300
pH-FIELD (SU)	7.57	FIELD
pH-LAB (SU)	8.17	SM20-4500HB
POTASSIUM, TOTAL	1.4	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	10	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	429	FIELD
SPEC. COND., LAB (umhos/cm)	477	SW846 9050A
SULFATE	49.1	EPA 300
ALKALINITY	134	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	296	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.56	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	3.4	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.	FFMP031W
Sample Date	11/4/2025

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 (DD° 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: 69.38 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.60 ft — Elevation of Water Level: 543.82 ft./MSL

Sampling Depth: 85 ft — Volume of Water Column: 147.19 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/4/2025 — Sample Collection Time: 10:34

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): 3441699002 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP002W
Sample Date	11/4/2025

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	17.9	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	16	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	7.3	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	240	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	16.2	EPA 300
pH-FIELD (SU)	4.51	FIELD
pH-LAB (SU)	5.88	SM20-4500HB
POTASSIUM, TOTAL	1.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	13.7	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	246	FIELD
SPEC. COND., LAB (umhos/cm)	377	SW846 9050A
SULFATE	18.1	EPA 300
ALKALINITY	5 ND	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	191	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.81	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	3.4	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.	FFMP002W
Sample Date	11/4/2025

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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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 (DD 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 o 57 ' 31.09 " — Longitude: 76 o 27 ' 4.98 "

Depth to Water Level: 20.35 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 0.49 ft — Elevation of Water Level: 496.17 ft./MSL

Sampling Depth: 79 ft — Volume of Water Column: 111.10 gal

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

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

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

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 11/4/2025 — Sample Collection Time: 13:43

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): 3441699005 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP033W
Sample Date	11/4/2025

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	0.12	D6919-09
BICARBONATE ALKALINITY	34	SM20-2320B
CALCIUM, TOTAL	41.4	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	93.4	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	4800	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	15.1	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	240	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	10.5	EPA 300
pH-FIELD (SU)	5.42	FIELD
pH-LAB (SU)	7.44	SM20-4500HB
POTASSIUM, TOTAL	1.8	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	21.9	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	484	FIELD
SPEC. COND., LAB (umhos/cm)	531	SW846 9050A
SULFATE	12.6	EPA 300
ALKALINITY	34	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	378	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.67	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.	FFMP033W
Sample Date	11/4/2025

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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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 (DD 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: ___ o ___ ' ___ " — Longitude: ___ o ___ ' ___ "

Depth to Water Level: 10.62 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: 462.26 ft./MSL

Sampling Depth: 25.85 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: 1.2

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/4/2025 — Sample Collection Time: 13:58

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): 3441699006 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP034W
Sample Date	11/4/2025

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	36	SM20-2320B
CALCIUM, TOTAL	54.9	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	147	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	120	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	20.1	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	58	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	11.7	EPA 300
pH-FIELD (SU)	5.69	FIELD
pH-LAB (SU)	7.57	SM20-4500HB
POTASSIUM, TOTAL	2.3	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	43.6	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	697	FIELD
SPEC. COND., LAB (umhos/cm)	754	SW846 9050A
SULFATE	33.5	EPA 300
ALKALINITY	36	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	548	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.99	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	4.7	SM 2130B

* Indicator Analyte - For comparison with detection zone analytes.
T Please indicate detection limit if analyte is not detected.
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I.D. No	101389
Monitoring Point No.	FFMP034W
Sample Date	11/4/2025

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 (DD 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 o 57 ' 33.45 " — Longitude: 76 o 27 ' 17.71 "

Depth to Water Level: 50.48 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.06 ft — Elevation of Water Level: 543.61 ft./MSL

Sampling Depth: 62 ft — Volume of Water Column: 36.01 gal

Total Well Depth: 75 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): 11/5/2025 — Sample Collection Time: 8:51

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): 3441861001 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP032W
Sample Date	11/5/2025

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	0.58	D6919-09
BICARBONATE ALKALINITY	61	SM20-2320B
CALCIUM, TOTAL	20.9	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	40.8	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	9800	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	7.9	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	920	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	1 ND	EPA 300
pH-FIELD (SU)	7	FIELD
pH-LAB (SU)	7.97	SM20-4500HB
POTASSIUM, TOTAL	1.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	14.7	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	271	FIELD
SPEC. COND., LAB (umhos/cm)	255	SW846 9050A
SULFATE	2 ND	EPA 300
ALKALINITY	61	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	152	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	50	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	11/5/2025

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
11/06/2026
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 (DD° 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: 15.48 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: 494.42 ft./MSL

Sampling Depth: 18 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: 1.0

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/5/2025 — Sample Collection Time: 10:37

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): 3441861002 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP02SW
Sample Date	11/5/2025

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	28	SM20-2320B
CALCIUM, TOTAL	17.7	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	14	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	120	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	5.6	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	5.8	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	5.6	EPA 300
pH-FIELD (SU)	5.96	FIELD
pH-LAB (SU)	7.58	SM20-4500HB
POTASSIUM, TOTAL	5.9	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	16.3	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	233	FIELD
SPEC. COND., LAB (umhos/cm)	231	SW846 9050A
SULFATE	34	EPA 300
ALKALINITY	28	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	173	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	2.8	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	6.9	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP02SW
Sample Date	11/5/2025

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
11/06/2026
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 (DD 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 o 57 ' 27.74 " — Longitude: 76 o 27 ' 1.49 "

Depth to Water Level: 27.43 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: ___ ft — Elevation of Water Level: 482.17 ft./MSL

Sampling Depth: 120 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: 1.2

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/5/2025 — Sample Collection Time: 11:58

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): 3441861003 — Final Lab Analysis CompletionDate: 11/20/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP02DW
Sample Date	11/5/2025

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	136	SM20-2320B
CALCIUM, TOTAL	130	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	343	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	720	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	20.1	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	86	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	6.1	EPA 300
pH-FIELD (SU)	7.18	FIELD
pH-LAB (SU)	8.09	SM20-4500HB
POTASSIUM, TOTAL	1.2	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	140	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1497	FIELD
SPEC. COND., LAB (umhos/cm)	1520	SW846 9050A
SULFATE	42	EPA 300
ALKALINITY	136	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	1090	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.91	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	11	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	11/5/2025

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
11/06/2026
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 (DD 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 o 57 ' 12.93 " — Longitude: 76 o 27 ' 0.67 "

Depth to Water Level: 41.04 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.00 ft — Elevation of Water Level: 436.26 ft./MSL

Sampling Depth: 55 ft — Volume of Water Column: 25.64 gal

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

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

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

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 11/5/2025 — Sample Collection Time: 13:54

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): 3441861005 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP029W
Sample Date	11/5/2025

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	26	SM20-2320B
CALCIUM, TOTAL	11.2	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	48.2	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	8.9	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	12	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	3.6	EPA 300
pH-FIELD (SU)	4.8	FIELD
pH-LAB (SU)	7.49	SM20-4500HB
POTASSIUM, TOTAL	2	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	14.5	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	216	FIELD
SPEC. COND., LAB (umhos/cm)	221	SW846 9050A
SULFATE	2 ND	EPA 300
ALKALINITY	26	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	185	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	1.6	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.	FFMP029W
Sample Date	11/5/2025

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
11/06/2026
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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 (DD 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 o 57 ' 8.5 " — Longitude: 76 o 27 ' 6.17 "

Depth to Water Level: 46.65 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.00 ft — Elevation of Water Level: 434.05 ft./MSL

Sampling Depth: 135 ft — Volume of Water Column: 152.52 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/5/2025 — Sample Collection Time: 15:12

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): 3441861006 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP017W
Sample Date	11/5/2025

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	99	SM20-2320B
CALCIUM, TOTAL	140	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	447	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	68	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	50.6	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	1200	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	2.9	EPA 300
pH-FIELD (SU)	5.91	FIELD
pH-LAB (SU)	7.89	SM20-4500HB
POTASSIUM, TOTAL	9.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	140	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1800	FIELD
SPEC. COND., LAB (umhos/cm)	1860	SW846 9050A
SULFATE	108	EPA 300
ALKALINITY	99	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	1350	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	2.9	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	3.8	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.	FFMP017W
Sample Date	11/5/2025

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
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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 (DD° 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: 75.41 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.70 ft — Elevation of Water Level: 461.99 ft./MSL

Sampling Depth: 135 ft — Volume of Water Column: 109.55 gal

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

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

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

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 11/6/2025 — Sample Collection Time: 9:57

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): 3442142001 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP005W
Sample Date	11/6/2025

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	62	SM20-2320B
CALCIUM, TOTAL	79.6	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	167	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	18.9	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	140	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	2.1	EPA 300
pH-FIELD (SU)	5.4	FIELD
pH-LAB (SU)	7.63	SM20-4500HB
POTASSIUM, TOTAL	3.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	49.8	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	810	FIELD
SPEC. COND., LAB (umhos/cm)	844	SW846 9050A
SULFATE	71	EPA 300
ALKALINITY	62	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	552	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.3	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	2.5	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.	FFMP005W
Sample Date	11/6/2025

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
11/06/2026
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 (DD 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 o 57 ' 24.05 " — Longitude: 76 o 27 ' 30.58 "

Depth to Water Level: 52.83 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.20 ft — Elevation of Water Level: 538.07 ft./MSL

Sampling Depth: 130 ft — Volume of Water Column: 138.60 gal

Total Well Depth: 147.2 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)?: ___ Yes X No

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/6/2025 — 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): 3442142002 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP03AW
Sample Date	11/6/2025

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	11	SM20-2320B
CALCIUM, TOTAL	21.8	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	54.5	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	66 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	18.6	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	290	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	20.4 E	EPA 300
pH-FIELD (SU)	5.08	FIELD
pH-LAB (SU)	7.03	SM20-4500HB
POTASSIUM, TOTAL	1.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	17.9	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	385	FIELD
SPEC. COND., LAB (umhos/cm)	395	SW846 9050A
SULFATE	2 ND	EPA 300
ALKALINITY	11	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	282	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	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.	FFMP03AW
Sample Date	11/6/2025

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
11/06/2026
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 (DD 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 o 57 ' 36.43 " — Longitude: 76 o 27 ' 10.82 "

Depth to Water Level: 63.58 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.90 ft — Elevation of Water Level: 512.82 ft./MSL

Sampling Depth: 135 ft — Volume of Water Column: 125.31 gal

Total Well Depth: 148.9 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): 11/6/2025 — Sample Collection Time: 14:24

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): 3442142003 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP015W
Sample Date	11/6/2025

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	25	SM20-2320B
CALCIUM, TOTAL	26.4	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	31.4	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	20.7	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	9.1	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	25.3 E	EPA 300
pH-FIELD (SU)	5.67	FIELD
pH-LAB (SU)	7.43	SM20-4500HB
POTASSIUM, TOTAL	2.1	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	17.6	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	415	FIELD
SPEC. COND., LAB (umhos/cm)	422	SW846 9050A
SULFATE	21.7	EPA 300
ALKALINITY	25	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	286	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	0.65	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	11/6/2025

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
11/06/2026
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 (DD° 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: 15.92 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.04 ft — Elevation of Water Level: 439.54 ft./MSL

Sampling Depth: 118 ft — Volume of Water Column: 167.54 gal

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

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

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

Spring Flow Rate: _____ gpm

Sample Date (mm/dd/yy): 11/6/2025 — Sample Collection Time: 15:33

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): 3442142004 — Final Lab Analysis CompletionDate: 11/18/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP039W
Sample Date	11/6/2025

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	0.34	D6919-09
BICARBONATE ALKALINITY	43	SM20-2320B
CALCIUM, TOTAL	66.1	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	218	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	820	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	22.5	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	670	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	3.4	EPA 300
pH-FIELD (SU)	5.67	FIELD
pH-LAB (SU)	7.58	SM20-4500HB
POTASSIUM, TOTAL	6.2	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	70.3	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	914	FIELD
SPEC. COND., LAB (umhos/cm)	949	SW846 9050A
SULFATE	42.7	EPA 300
ALKALINITY	43	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	594	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	13	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	11/6/2025

FORM 19

QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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

ANALYTE	VALUE[T]	ANALYSIS METHOD NUMBER
BENZENE	100 ND	SW846 8260B
1,2-DIBROMOETHANE	100 ND	SW846 8260B
1,1-DICHLOROETHANE	100 ND	SW846 8260B
1,1-DICHLOROETHENE	100 ND	SW846 8260B
1,2-DICHLOROETHANE	100 ND	SW846 8260B
CIS 1,2-DICHLOROETHENE	100 ND	SW846 8260B
TRANS 1,2-DICHLOROETHENE	100 ND	SW846 8260B
ETHYLBENZENE	100 ND	SW846 8260B
METHYLENE CHLORIDE	100 ND	SW846 8260B
TETRACHLOROETHENE	100 ND	SW846 8260B
TOLUENE	100 ND	SW846 8260B
1,1,1-TRICHLOROETHANE	100 ND	SW846 8260B
TRICHLOROETHENE	100 ND	SW846 8260B
VINYL CHLORIDE	100 ND	SW846 8260B
XYLENES (TOTAL)	300 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
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QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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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 (DD 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 o 57 ' 15.95 " — Longitude: 76 o 26 ' 57.26 "

Depth to Water Level: 42.66 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.45 ft — Elevation of Water Level: 434.9 ft./MSL

Sampling Depth: 65 ft — Volume of Water Column: 40.15 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/21/2025 — Sample Collection Time: 9:48

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): 3443980001 — Final Lab Analysis CompletionDate: 12/8/2025

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP035W
Sample Date	11/21/2025

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	0.21	D6919-09
BICARBONATE ALKALINITY	134	SM20-2320B
CALCIUM, TOTAL	95	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	133	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	15.7	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	45	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	5.2	EPA 300
pH-FIELD (SU)	6.66	FIELD
pH-LAB (SU)	8.15	SM20-4500HB
POTASSIUM, TOTAL	2.5	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	45.2	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	808	FIELD
SPEC. COND., LAB (umhos/cm)	830	SW846 9050A
SULFATE	47.4	EPA 300
ALKALINITY	134	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	486	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.92	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.	FFMP035W
Sample Date	11/21/2025

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
11/06/2026
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 (DD° 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: 78.08 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 1.91 ft — Elevation of Water Level: 400.15 ft./MSL

Sampling Depth: 135 ft — Volume of Water Column: 90.94 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/21/2025 — Sample Collection Time: 10:29

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): 3443980002 — Final Lab Analysis CompletionDate: 12/8/2025

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP036W
Sample Date	11/21/2025

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	98	SM20-2320B
CALCIUM, TOTAL	51.3	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	35.3	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	1000	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	5.3	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	110	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	1 ND	EPA 300
pH-FIELD (SU)	8.14	FIELD
pH-LAB (SU)	8.29	SM20-4500HB
POTASSIUM, TOTAL	0.63	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	17.3	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	371	FIELD
SPEC. COND., LAB (umhos/cm)	375	SW846 9050A
SULFATE	31.8	EPA 300
ALKALINITY	101	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	226	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.52	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	11	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	11/21/2025

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
11/06/2026
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 (DD° 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: 21.98 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.15 ft — Elevation of Water Level: 432.06 ft./MSL

Sampling Depth: 46 ft — Volume of Water Column: 41.15 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/21/2025 — Sample Collection Time: 11:37

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): 3443980003 — Final Lab Analysis CompletionDate: 12/8/2025

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

Comments:

I.D. No	101389
Monitoring Point No.	FFMP038W
Sample Date	11/21/2025

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	11	SM20-2320B
CALCIUM, TOTAL	20.5	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)	1300	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	2.8	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	170	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	1 ND	EPA 300
pH-FIELD (SU)	8.3	FIELD
pH-LAB (SU)	7.33	SM20-4500HB
POTASSIUM, TOTAL	1.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	18.5	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	237	FIELD
SPEC. COND., LAB (umhos/cm)	240	SW846 9050A
SULFATE	2 ND	EPA 300
ALKALINITY	11	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	135	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.5 ND	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	7.9	SM 2130B

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

I.D. No	101389
Monitoring Point No.	FFMP038W
Sample Date	11/21/2025

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	7.9	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
11/06/2026
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 (DD° 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: 86.32 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 3.30 ft — Elevation of Water Level: 461.08 ft./MSL

Sampling Depth: 105 ft — Volume of Water Column: 40.65 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/21/2025 — Sample Collection Time: 12:07

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): 3443980004 — Final Lab Analysis CompletionDate: 12/8/2025

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP26RW
Sample Date	11/21/2025

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	67	SM20-2320B
CALCIUM, TOTAL	68.9	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	160	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	66 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	18.8	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	500	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	2	EPA 300
pH-FIELD (SU)	5.64	FIELD
pH-LAB (SU)	7.84	SM20-4500HB
POTASSIUM, TOTAL	6.2	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	60.2	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	847	FIELD
SPEC. COND., LAB (umhos/cm)	862	SW846 9050A
SULFATE	93.6	EPA 300
ALKALINITY	67	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	482	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	1.7	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	3.6	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.	FFMP26RW
Sample Date	11/21/2025

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
11/06/2026
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FORM 19

MUNICIPAL WASTE LANDFILL
QUARTERLY AND ANNUAL WATER QUALITY ANALYSES

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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 (DD MM' SS.S")

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 o 57 ' 15.4 " — Longitude: 76 o 27 ' 26.58 "

Depth to Water Level: 38.89 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.52 ft — Elevation of Water Level: 521.83 ft./MSL

Sampling Depth: 146 ft — Volume of Water Column: 385.71 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/21/2025 — Sample Collection Time: 13:28

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): 3443980005 — Final Lab Analysis CompletionDate: 12/8/2025

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP04AW
Sample Date	11/21/2025

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	187	SM20-2320B
CALCIUM, TOTAL	158	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	34.3	EPA 300
FLUORIDE	0.2 ND	EPA 300
IRON, TOTAL (ug/l)	69	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	27.4	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	390	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	2.2	EPA 300
pH-FIELD (SU)	7.04	FIELD
pH-LAB (SU)	8.26	SM20-4500HB
POTASSIUM, TOTAL	2.8	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	94.4	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1471	FIELD
SPEC. COND., LAB (umhos/cm)	1500	SW846 9050A
SULFATE	39.8	EPA 300
ALKALINITY	187	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	866	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.84	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	3.3	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	11/21/2025

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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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 (DD° 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: 36.93 ft — Measured from: ___ Land Surface X TOC

Casing Stickup: 2.20 ft — Elevation of Water Level: 525.37 ft./MSL

Sampling Depth: 85 ft — Volume of Water Column: 77.94 gal

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

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

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

Spring Flow Rate: ___ gpm

Sample Date (mm/dd/yy): 11/21/2025 — Sample Collection Time: 13:20

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): 3443980006 — Final Lab Analysis CompletionDate: 12/12/2025

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

Comments: ___

I.D. No	101389
Monitoring Point No.	FFMP30RW
Sample Date	11/21/2025

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	41	SM20-2320B
CALCIUM, TOTAL	51.8	SW846 6010C
CALCIUM, DISSOLVED		SW846 6010C
COD (CHEMICAL OXYGEN DEMAND)	15 ND	EPA 410.4
CHLORIDE	301	EPA 300
FLUORIDE	0.5 ND	EPA 300
IRON, TOTAL (ug/l)	67 ND	SW846 6010C
IRON, DISSOLVED (ug/l)		SW846 6010C
MAGNESIUM, TOTAL	19.4	SW846 6010C
MAGNESIUM, DISSOLVED		SW846 6010C
MANGANESE, TOTAL (ug/l)	3500	SW846 6010C
MANGANESE, DISSOLVED (ug/l)		SW846 6010C
NITRATE-NITROGEN	6	EPA 300
pH-FIELD (SU)	5.58	FIELD
pH-LAB (SU)	7.72	SM20-4500HB
POTASSIUM, TOTAL	8.6	SW846 6010C
POTASSIUM, DISSOLVED		SW846 6010C
SODIUM, TOTAL	143	SW846 6010C
SODIUM, DISSOLVED		SW846 6010C
SPEC. COND., FIELD (umhos/cm)	1181	FIELD
SPEC. COND., LAB (umhos/cm)	1220	SW846 9050A
SULFATE	47.2	EPA 300
ALKALINITY	41	SM20-2320B
TDS (TOT. DISSOLVED SOLIDS)	650	SM20-2540C
TOC (TOTAL ORGANIC CARBON)	0.98	SW846 9060A
TOTAL PHENOLICS (ug/l)	4 ND	SW846 9066
TURBIDITY (N.T.U.)	2.1	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.	FFMP30RW
Sample Date	11/21/2025

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: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

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

Analytical Results Report For

Lancaster County Solid Waste Authority

Project 4TH QTR 2025 GWMP-FORM 19Q
Workorder 3441699
Report ID 476582 on 11/19/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Nov 04, 2025.

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 Susan Scherer (Project Coordinator) at (717) 944-5541.

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

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

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Ashley Gichuki - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority

Susan Scherer

Susan Scherer *(ALS Digital Signature)*
Project Coordinator

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

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3441699001	FFMP031W	Ground Water	11/04/2025 10:09	11/04/2025 15:22	EMP	ALS Environmental-Middletown
3441699002	FFMP002W	Ground Water	11/04/2025 10:34	11/04/2025 15:22	EMP	ALS Environmental-Middletown
3441699003	FIELD BLANK	Water	11/04/2025 10:10	11/04/2025 15:22	EMP	ALS Environmental-Middletown
3441699004	TRIP BLANK	Water	11/04/2025 00:00	11/04/2025 15:22	EMP	ALS Environmental-Middletown
3441699005	FFMP033W	Ground Water	11/04/2025 13:43	11/04/2025 15:22	EMP	ALS Environmental-Middletown
3441699006	FFMP034W	Ground Water	11/04/2025 13:58	11/04/2025 15:22	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.

Detected Results Summary

Client Sample ID	FFMP031W	Collected	11/04/2025 10:09
Lab Sample ID	3441699001	Lab Receipt	11/04/2025 15:22

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	69.36	Feet		Field	#
Dissolved Oxygen	1.32	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	543.30	ft/MSL		Field	#
Oxidation-Reduction Potential	117	mV		Field	#
pH, Field (SM4500B)	7.57	pH_Units		Field	#
Sample Depth	130.00	Feet		Field	#
Specific Conductance, Field	429	umhos/cm	1	Field	#
Temperature	14.23	Deg. C		Field	#
Total Well Depth	142.70	Feet		Field	#
Turbidity, Field	286	NTU	1	Field	#
Volume in Water Column	107.81	Gallons		Field	#
Water Level After Purge	71.73	Feet		Field	#
Well Volumes Purged	0.03	Vol		Field	#
METALS					
Calcium, Total	76.2	mg/L	0.11	SW846 6010C	#
Iron, Total	0.096	mg/L	0.067	SW846 6010C	#
Magnesium, Total	4.8	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.49	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.4	mg/L	0.56	SW846 6010C	#
Sodium, Total	10.0	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	132	mg/L	5	SM2320B-2011	#
Alkalinity, Total	134	mg/L	5	SM2320B-2011	#
Chloride	22.1	mg/L	2.0	EPA 300.0	#
Nitrate-N	1.4	mg/L	1.0	EPA 300.0	#
pH	8.17	pH_Units		S4500HB-11	#
Specific Conductance	477	umhos/cm	5	SW846 9050A	#
Sulfate	49.1	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	296	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.56	mg/L	0.50	SW846 9060A	#
Turbidity	3.4	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP002W	Collected	11/04/2025 10:34
Lab Sample ID	3441699002	Lab Receipt	11/04/2025 15:22

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	69.38	Feet		Field	#
Dissolved Oxygen	4.85	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	543.82	ft/MSL		Field	#
Oxidation-Reduction Potential	388	mV		Field	#
pH, Field (SM4500B)	4.51	pH_Units		Field	#
Sample Depth	85.00	Feet		Field	#
Specific Conductance, Field	246	umhos/cm	1	Field	#
Temperature	14.48	Deg. C		Field	#
Total Well Depth	90.02	Feet		Field	#
Turbidity, Field	30	NTU	1	Field	#
Volume in Water Column	30.34	Gallons		Field	#
Water Level After Purge	71.71	Feet		Field	#
Well Volumes Purged	0.15	Vol		Field	#
METALS					
Calcium, Total	17.9	mg/L	0.11	SW846 6010C	#
Magnesium, Total	7.3	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.24	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	13.7	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Chloride	16.0	mg/L	2.0	EPA 300.0	#
Nitrate-N	16.2	mg/L	1.0	EPA 300.0	#
pH	5.88	pH_Units		S4500HB-11	#
Specific Conductance	377	umhos/cm	5	SW846 9050A	#
Sulfate	18.1	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	191	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.81	mg/L	0.50	SW846 9060A	#
Turbidity	3.4	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FIELD BLANK	Collected	11/04/2025 10:10
Lab Sample ID	3441699003	Lab Receipt	11/04/2025 15:22

Compound	Result	Units	RDL	Method	Flag
WET CHEMISTRY					
pH	5.73	pH_Units		S4500HB-11	#
Turbidity	1.2	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP033W	Collected	11/04/2025 13:43
Lab Sample ID	3441699005	Lab Receipt	11/04/2025 15:22

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	20.35	Feet		Field	#
Dissolved Oxygen	0.97	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	516.52	Feet		Field	#
Flow Rate	1.63	gal/min		Field	#
Ground Water Elevation	496.17	ft/MSL		Field	#
Oxidation-Reduction Potential	102	mV		Field	#
pH, Field (SM4500B)	5.42	pH_Units		Field	#
Sample Depth	79.00	Feet		Field	#
Specific Conductance, Field	484	umhos/cm	1	Field	#
Temperature	15.45	Deg. C		Field	#
Total Well Depth	100.00	Feet		Field	#
Volume in Water Column	117.09	Gallons		Field	#
Water Level After Purge	36.79	Feet		Field	#
Well Volumes Purged	1.60	Vol		Field	#
METALS					
Calcium, Total	41.4	mg/L	0.11	SW846 6010C	#
Iron, Total	4.8	mg/L	0.067	SW846 6010C	#
Magnesium, Total	15.1	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.24	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.8	mg/L	0.56	SW846 6010C	#
Sodium, Total	21.9	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	34	mg/L	5	SM2320B-2011	#
Alkalinity, Total	34	mg/L	5	SM2320B-2011	#
Ammonia-N, Low Level	0.12	mg/L	0.10	SM 4500-NH3G	#
Chloride	93.4	mg/L	2.0	EPA 300.0	#
Nitrate-N	10.5	mg/L	1.0	EPA 300.0	#
pH	7.44	pH_Units		S4500HB-11	#
Specific Conductance	531	umhos/cm	5	SW846 9050A	#
Sulfate	12.6	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	378	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.67	mg/L	0.50	SW846 9060A	#
Turbidity	3.2	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP034W	Collected	11/04/2025 13:58
Lab Sample ID	3441699006	Lab Receipt	11/04/2025 15:22

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	10.62	Feet		Field	#
Dissolved Oxygen	1.26	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	472.88	Feet		Field	#
Flow Rate	1.70	gal/min		Field	#
Ground Water Elevation	462.26	ft/MSL		Field	#
Oxidation-Reduction Potential	162	mV		Field	#
pH, Field (SM4500B)	5.69	pH_Units		Field	#
Sample Depth	25.85	Feet		Field	#
Specific Conductance, Field	697	umhos/cm	1	Field	#
Temperature	14.69	Deg. C		Field	#
Total Well Depth	121.00	Feet		Field	#
Volume in Water Column	162.26	Gallons		Field	#
Water Level After Purge	19.92	Feet		Field	#
Well Volumes Purged	1.17	Vol		Field	#
METALS					
Calcium, Total	54.9	mg/L	0.11	SW846 6010C	#
Iron, Total	0.12	mg/L	0.067	SW846 6010C	#
Magnesium, Total	20.1	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.058	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.3	mg/L	0.56	SW846 6010C	#
Sodium, Total	43.6	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	36	mg/L	5	SM2320B-2011	#
Alkalinity, Total	36	mg/L	5	SM2320B-2011	#
Chloride	147	mg/L	2.0	EPA 300.0	#
Nitrate-N	11.7	mg/L	1.0	EPA 300.0	#
pH	7.57	pH_Units		S4500HB-11	#
Specific Conductance	754	umhos/cm	5	SW846 9050A	#
Sulfate	33.5	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	548	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.99	mg/L	0.50	SW846 9060A	#
Turbidity	4.7	NTU	0.30	SM2130B-2011	#

Results

Client Sample ID	FFMP031W	Collected	11/04/2025 10:09
Lab Sample ID	3441699001	Lab Receipt	11/04/2025 15:22

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	69.36		Feet		Field	1	11/04/2025 10:09	EMP	D
Dissolved Oxygen	1.32		mg/L	0.01	Field	1	11/04/2025 10:09	EMP	D
Elev Top MW Casing above MSL	612.66		Feet		Field	1	11/04/2025 10:09	EMP	D
Flow Rate	0.07		gal/min		Field	1	11/04/2025 10:09	EMP	D
Ground Water Elevation	543.30		ft/MSL		Field	1	11/04/2025 10:09	EMP	D
Oxidation-Reduction Potential	117		mV		Field	1	11/04/2025 10:09	EMP	D
pH, Field (SM4500B)	7.57		pH_Units		Field	1	11/04/2025 10:09	EMP	D
Sample Depth	130.00		Feet		Field	1	11/04/2025 10:09	EMP	D
Specific Conductance, Field	429		umhos/cm	1	Field	1	11/04/2025 10:09	EMP	D
Temperature	14.23		Deg. C		Field	1	11/04/2025 10:09	EMP	D
Total Well Depth	142.70		Feet		Field	1	11/04/2025 10:09	EMP	D
Turbidity, Field	286		NTU	1	Field	1	11/04/2025 10:09	EMP	D
Volume in Water Column	107.81		Gallons		Field	1	11/04/2025 10:09	EMP	D
Water Level After Purge	71.73		Feet		Field	1	11/04/2025 10:09	EMP	D
Well Volumes Purged	0.03		Vol		Field	1	11/04/2025 10:09	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	76.2		mg/L	0.11	SW846 6010C	1	11/07/2025 11:18	MSY	K1
Iron, Total	0.096		mg/L	0.067	SW846 6010C	1	11/07/2025 11:18	MSY	K1
Magnesium, Total	4.8		mg/L	0.11	SW846 6010C	1	11/07/2025 11:18	MSY	K1
Manganese, Total	0.49		mg/L	0.0056	SW846 6010C	1	11/07/2025 11:18	MSY	K1
Potassium, Total	1.4		mg/L	0.56	SW846 6010C	1	11/07/2025 11:18	MSY	K1
Sodium, Total	10.0		mg/L	0.56	SW846 6010C	1	11/07/2025 11:18	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	11/06/2025 18:16	TMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:16	TMP	H

Results

Client Sample ID	FFMP031W	Collected	11/04/2025 10:09
Lab Sample ID	3441699001	Lab Receipt	11/04/2025 15:22

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.7%	62 – 133	11/06/2025 18:16	
4-Bromofluorobenzene	460-00-4	98%	79 – 114	11/06/2025 18:16	
Dibromofluoromethane	1868-53-7	115%	78 – 116	11/06/2025 18:16	
Toluene-d8	2037-26-5	100%	76 – 127	11/06/2025 18:16	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	132		mg/L	5	SM2320B-2011	1	11/07/2025 01:03	JXK	B
Alkalinity, Total	134	1	mg/L	5	SM2320B-2011	1	11/07/2025 01:03	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/10/2025 20:39	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	22.1		mg/L	2.0	EPA 300.0	2	11/05/2025 12:01	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/05/2025 12:01	J1W	B
Nitrate-N	1.4		mg/L	1.0	EPA 300.0	2	11/05/2025 12:01	J1W	B
pH	8.17	2	pH_Units		S4500HB-11	1	11/07/2025 01:03	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 09:30	ZEB	G
Specific Conductance	477		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	49.1		mg/L	2.0	EPA 300.0	2	11/05/2025 12:01	J1W	B
Total Dissolved Solids	296		mg/L	25	SM2540C-15	1	11/06/2025 14:50	RAG	B
Total Organic Carbon (TOC)	0.56		mg/L	0.50	SW846 9060A	1	11/05/2025 20:37	PAG	E
Turbidity	3.4		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FFMP002W	Collected	11/04/2025 10:34
Lab Sample ID	3441699002	Lab Receipt	11/04/2025 15:22

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	69.38		Feet		Field	1	11/04/2025 10:34	EMP	D
Dissolved Oxygen	4.85		mg/L	0.01	Field	1	11/04/2025 10:34	EMP	D
Elev Top MW Casing above MSL	613.20		Feet		Field	1	11/04/2025 10:34	EMP	D
Flow Rate	0.07		gal/min		Field	1	11/04/2025 10:34	EMP	D
Ground Water Elevation	543.82		ft/MSL		Field	1	11/04/2025 10:34	EMP	D
Oxidation-Reduction Potential	388		mV		Field	1	11/04/2025 10:34	EMP	D
pH, Field (SM4500B)	4.51		pH_Units		Field	1	11/04/2025 10:34	EMP	D
Sample Depth	85.00		Feet		Field	1	11/04/2025 10:34	EMP	D
Specific Conductance, Field	246		umhos/cm	1	Field	1	11/04/2025 10:34	EMP	D
Temperature	14.48		Deg. C		Field	1	11/04/2025 10:34	EMP	D
Total Well Depth	90.02		Feet		Field	1	11/04/2025 10:34	EMP	D
Turbidity, Field	30		NTU	1	Field	1	11/04/2025 10:34	EMP	D
Volume in Water Column	30.34		Gallons		Field	1	11/04/2025 10:34	EMP	D
Water Level After Purge	71.71		Feet		Field	1	11/04/2025 10:34	EMP	D
Well Volumes Purged	0.15		Vol		Field	1	11/04/2025 10:34	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	17.9		mg/L	0.11	SW846 6010C	1	11/07/2025 11:20	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	11/07/2025 11:20	MSY	K1
Magnesium, Total	7.3		mg/L	0.11	SW846 6010C	1	11/07/2025 11:20	MSY	K1
Manganese, Total	0.24		mg/L	0.0056	SW846 6010C	1	11/07/2025 11:20	MSY	K1
Potassium, Total	1.1		mg/L	0.56	SW846 6010C	1	11/07/2025 11:20	MSY	K1
Sodium, Total	13.7		mg/L	0.56	SW846 6010C	1	11/07/2025 11:20	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	11/06/2025 18:39	TMP	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/06/2025 18:39	TMP	H

Results

Client Sample ID	FFMP002W	Collected	11/04/2025 10:34
Lab Sample ID	3441699002	Lab Receipt	11/04/2025 15:22

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	97.7%	62 – 133	11/06/2025 18:39	
4-Bromofluorobenzene	460-00-4	97.4%	79 – 114	11/06/2025 18:39	
Dibromofluoromethane	1868-53-7	113%	78 – 116	11/06/2025 18:39	
Toluene-d8	2037-26-5	98.3%	76 – 127	11/06/2025 18:39	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-2011	1	11/07/2025 01:14	JXK	B
Alkalinity, Total	ND	ND,1	mg/L	5	SM2320B-2011	1	11/07/2025 01:14	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/10/2025 20:42	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	16.0		mg/L	2.0	EPA 300.0	2	11/05/2025 12:14	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/05/2025 12:14	J1W	B
Nitrate-N	16.2		mg/L	1.0	EPA 300.0	2	11/05/2025 12:14	J1W	B
pH	5.88	2	pH_Units		S4500HB-11	1	11/07/2025 01:14	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 09:34	ZEB	G
Specific Conductance	377		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	18.1		mg/L	2.0	EPA 300.0	2	11/05/2025 12:14	J1W	B
Total Dissolved Solids	191		mg/L	25	SM2540C-15	1	11/06/2025 14:50	RAG	B
Total Organic Carbon (TOC)	0.81		mg/L	0.50	SW846 9060A	1	11/05/2025 20:37	PAG	E
Turbidity	3.4		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FIELD BLANK	Collected	11/04/2025 10:10
Lab Sample ID	3441699003	Lab Receipt	11/04/2025 15:22

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	ND	ND	mg/L	0.11	SW846 6010C	1	11/07/2025 11:16	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	11/07/2025 11:16	MSY	K1
Magnesium, Total	ND	ND	mg/L	0.11	SW846 6010C	1	11/07/2025 11:16	MSY	K1
Manganese, Total	ND	ND	mg/L	0.0056	SW846 6010C	1	11/07/2025 11:16	MSY	K1
Potassium, Total	ND	ND	mg/L	0.56	SW846 6010C	1	11/07/2025 11:16	MSY	K1
Sodium, Total	ND	ND	mg/L	0.56	SW846 6010C	1	11/07/2025 11:16	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	11/07/2025 01:27	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 01:27	IXK	H

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	92.6%	62 – 133	11/07/2025 01:27	
4-Bromofluorobenzene	460-00-4	98.8%	79 – 114	11/07/2025 01:27	
Dibromofluoromethane	1868-53-7	97.7%	78 – 116	11/07/2025 01:27	
Toluene-d8	2037-26-5	98.5%	76 – 127	11/07/2025 01:27	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	ND	ND	mg/L	5	SM2320B-2011	1	11/07/2025 01:24	JXK	B
Alkalinity, Total	ND	ND,1	mg/L	5	SM2320B-2011	1	11/07/2025 01:24	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/10/2025 20:52	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	ND	ND	mg/L	2.0	EPA 300.0	2	11/05/2025 12:26	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/05/2025 12:26	J1W	B
Nitrate-N	ND	ND	mg/L	1.0	EPA 300.0	2	11/05/2025 12:26	J1W	B
pH	5.73	2	pH_Units		S4500HB-11	1	11/07/2025 01:24	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 09:37	ZEB	G

Results

Client Sample ID	FIELD BLANK	Collected	11/04/2025 10:10
Lab Sample ID	3441699003	Lab Receipt	11/04/2025 15:22

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	11/18/2025 08:50	MYM	B
Sulfate	ND	ND	mg/L	2.0	EPA 300.0	2	11/05/2025 12:26	J1W	B
Total Dissolved Solids	ND	ND	mg/L	25	SM2540C-15	1	11/06/2025 14:50	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	11/05/2025 20:37	PAG	E
Turbidity	1.2		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	TRIP BLANK	Collected	11/04/2025 00:00
Lab Sample ID	3441699004	Lab Receipt	11/04/2025 15:22

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	11/07/2025 00:46	IXK	
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/07/2025 00:46	IXK	
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 00:46	IXK	

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	91.1%	62 – 133	11/07/2025 00:46	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	11/07/2025 00:46	
Dibromofluoromethane	1868-53-7	98.3%	78 – 116	11/07/2025 00:46	
Toluene-d8	2037-26-5	99.9%	76 – 127	11/07/2025 00:46	

Results

Client Sample ID	FFMP033W	Collected	11/04/2025 13:43
Lab Sample ID	3441699005	Lab Receipt	11/04/2025 15:22

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	20.35		Feet		Field	1	11/04/2025 13:43	EMP	D
Dissolved Oxygen	0.97		mg/L	0.01	Field	1	11/04/2025 13:43	EMP	D
Elev Top MW Casing above MSL	516.52		Feet		Field	1	11/04/2025 13:43	EMP	D
Flow Rate	1.63		gal/min		Field	1	11/04/2025 13:43	EMP	D
Ground Water Elevation	496.17		ft/MSL		Field	1	11/04/2025 13:43	EMP	D
Oxidation-Reduction Potential	102		mV		Field	1	11/04/2025 13:43	EMP	D
pH, Field (SM4500B)	5.42		pH_Units		Field	1	11/04/2025 13:43	EMP	D
Sample Depth	79.00		Feet		Field	1	11/04/2025 13:43	EMP	D
Specific Conductance, Field	484		umhos/cm	1	Field	1	11/04/2025 13:43	EMP	D
Temperature	15.45		Deg. C		Field	1	11/04/2025 13:43	EMP	D
Total Well Depth	100.00		Feet		Field	1	11/04/2025 13:43	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	11/04/2025 13:43	EMP	D
Volume in Water Column	117.09		Gallons		Field	1	11/04/2025 13:43	EMP	D
Water Level After Purge	36.79		Feet		Field	1	11/04/2025 13:43	EMP	D
Well Volumes Purged	1.60		Vol		Field	1	11/04/2025 13:43	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	41.4		mg/L	0.11	SW846 6010C	1	11/07/2025 11:14	MSY	K1
Iron, Total	4.8		mg/L	0.067	SW846 6010C	1	11/07/2025 11:14	MSY	K1
Magnesium, Total	15.1		mg/L	0.11	SW846 6010C	1	11/07/2025 11:14	MSY	K1
Manganese, Total	0.24		mg/L	0.0056	SW846 6010C	1	11/07/2025 11:14	MSY	K1
Potassium, Total	1.8		mg/L	0.56	SW846 6010C	1	11/07/2025 11:14	MSY	K1
Sodium, Total	21.9		mg/L	0.56	SW846 6010C	1	11/07/2025 11:14	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	11/07/2025 04:51	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 04:51	IXK	H

Results

Client Sample ID	FFMP033W	Collected	11/04/2025 13:43
Lab Sample ID	3441699005	Lab Receipt	11/04/2025 15:22

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	90.5%	62 – 133	11/07/2025 04:51	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	11/07/2025 04:51	
Dibromofluoromethane	1868-53-7	98.6%	78 – 116	11/07/2025 04:51	
Toluene-d8	2037-26-5	101%	76 – 127	11/07/2025 04:51	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	34		mg/L	5	SM2320B-2011	1	11/07/2025 01:37	JXK	B
Alkalinity, Total	34	1	mg/L	5	SM2320B-2011	1	11/07/2025 01:37	JXK	B
Ammonia-N, Low Level	0.12		mg/L	0.10	SM 4500-NH3G	1	11/10/2025 20:58	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	93.4		mg/L	2.0	EPA 300.0	2	11/05/2025 12:39	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/05/2025 12:39	J1W	B
Nitrate-N	10.5		mg/L	1.0	EPA 300.0	2	11/05/2025 12:39	J1W	B
pH	7.44	2	pH_Units		S4500HB-11	1	11/07/2025 01:37	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 09:40	ZEB	G
Specific Conductance	531		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	12.6		mg/L	2.0	EPA 300.0	2	11/05/2025 12:39	J1W	B
Total Dissolved Solids	378		mg/L	25	SM2540C-15	1	11/06/2025 14:50	RAG	B
Total Organic Carbon (TOC)	0.67		mg/L	0.50	SW846 9060A	1	11/05/2025 20:37	PAG	E
Turbidity	3.2		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FFMP034W	Collected	11/04/2025 13:58
Lab Sample ID	3441699006	Lab Receipt	11/04/2025 15:22

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	10.62		Feet		Field	1	11/04/2025 13:57	EMP	D
Dissolved Oxygen	1.26		mg/L	0.01	Field	1	11/04/2025 13:57	EMP	D
Elev Top MW Casing above MSL	472.88		Feet		Field	1	11/04/2025 13:57	EMP	D
Flow Rate	1.70		gal/min		Field	1	11/04/2025 13:57	EMP	D
Ground Water Elevation	462.26		ft/MSL		Field	1	11/04/2025 13:57	EMP	D
Oxidation-Reduction Potential	162		mV		Field	1	11/04/2025 13:57	EMP	D
pH, Field (SM4500B)	5.69		pH_Units		Field	1	11/04/2025 13:57	EMP	D
Sample Depth	25.85		Feet		Field	1	11/04/2025 13:57	EMP	D
Specific Conductance, Field	697		umhos/cm	1	Field	1	11/04/2025 13:57	EMP	D
Temperature	14.69		Deg. C		Field	1	11/04/2025 13:57	EMP	D
Total Well Depth	121.00		Feet		Field	1	11/04/2025 13:57	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	11/04/2025 13:57	EMP	D
Volume in Water Column	162.26		Gallons		Field	1	11/04/2025 13:57	EMP	D
Water Level After Purge	19.92		Feet		Field	1	11/04/2025 13:57	EMP	D
Well Volumes Purged	1.17		Vol		Field	1	11/04/2025 13:57	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	54.9		mg/L	0.11	SW846 6010C	1	11/07/2025 11:12	MSY	K1
Iron, Total	0.12		mg/L	0.067	SW846 6010C	1	11/07/2025 11:12	MSY	K1
Magnesium, Total	20.1		mg/L	0.11	SW846 6010C	1	11/07/2025 11:12	MSY	K1
Manganese, Total	0.058		mg/L	0.0056	SW846 6010C	1	11/07/2025 11:12	MSY	K1
Potassium, Total	2.3		mg/L	0.56	SW846 6010C	1	11/07/2025 11:12	MSY	K1
Sodium, Total	43.6		mg/L	0.56	SW846 6010C	1	11/07/2025 11:12	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	11/07/2025 05:12	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/07/2025 05:12	IXK	H

Results

Client Sample ID	FFMP034W	Collected	11/04/2025 13:58
Lab Sample ID	3441699006	Lab Receipt	11/04/2025 15:22

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	91.7%	62 – 133	11/07/2025 05:12	
4-Bromofluorobenzene	460-00-4	95.1%	79 – 114	11/07/2025 05:12	
Dibromofluoromethane	1868-53-7	100%	78 – 116	11/07/2025 05:12	
Toluene-d8	2037-26-5	101%	76 – 127	11/07/2025 05:12	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	36		mg/L	5	SM2320B-2011	1	11/07/2025 01:49	JXK	B
Alkalinity, Total	36	1	mg/L	5	SM2320B-2011	1	11/07/2025 01:49	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/10/2025 21:01	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	147		mg/L	2.0	EPA 300.0	2	11/05/2025 13:28	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/05/2025 13:28	J1W	B
Nitrate-N	11.7		mg/L	1.0	EPA 300.0	2	11/05/2025 13:28	J1W	B
pH	7.57	2	pH_Units		S4500HB-11	1	11/07/2025 01:49	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 09:44	ZEB	G
Specific Conductance	754		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	33.5		mg/L	2.0	EPA 300.0	2	11/05/2025 13:28	J1W	B
Total Dissolved Solids	548		mg/L	25	SM2540C-15	1	11/06/2025 14:50	RAG	B
Total Organic Carbon (TOC)	0.99		mg/L	0.50	SW846 9060A	1	11/05/2025 20:37	PAG	E
Turbidity	4.7		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3441699001	FFMP031W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441699002	FFMP002W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441699003	FIELD BLANK	SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441699004	TRIP BLANK	SW846 8260B	N/A	
3441699005	FFMP033W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3441699006	FFMP034W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3441699001	FFMP031W	N/A	N/A	N/A		Field	1486119
		SW846 3015A	1484065	11/06/2025 10:28	RMH	SW846 6010C	1484259
		N/A	N/A	N/A		SW846 8260B	1484093
		N/A	N/A	N/A		EPA 300.0	1483534
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1483556
		N/A	N/A	N/A		SM 4500-NH3G	1484111
		N/A	N/A	N/A		SM2130B-2011	1483536
		N/A	N/A	N/A		SM2320B-2011	1483556
		N/A	N/A	N/A		SM2540C-15	1484055
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1483651
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441699002	FFMP002W	N/A	N/A	N/A		Field	1486119
		SW846 3015A	1484065	11/06/2025 10:28	RMH	SW846 6010C	1484259
		N/A	N/A	N/A		SW846 8260B	1484093
		N/A	N/A	N/A		EPA 300.0	1483534
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1483556
		N/A	N/A	N/A		SM 4500-NH3G	1484111
		N/A	N/A	N/A		SM2130B-2011	1483536
		N/A	N/A	N/A		SM2320B-2011	1483556
		N/A	N/A	N/A		SM2540C-15	1484055
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1483651
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441699003	FIELD BLANK	SW846 3015A	1484065	11/06/2025 10:28	RMH	SW846 6010C	1484259
		N/A	N/A	N/A		SW846 8260B	1484182
		N/A	N/A	N/A		EPA 300.0	1483534
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1483556
		N/A	N/A	N/A		SM 4500-NH3G	1484111
		N/A	N/A	N/A		SM2130B-2011	1483536
		N/A	N/A	N/A		SM2320B-2011	1483556
		N/A	N/A	N/A		SM2540C-15	1484055
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1483651
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441699004	TRIP BLANK	N/A	N/A	N/A		SW846 8260B	1484182
3441699005	FFMP033W	N/A	N/A	N/A		Field	1486115
		SW846 3015A	1484065	11/06/2025 10:28	RMH	SW846 6010C	1484259
		N/A	N/A	N/A		SW846 8260B	1484182
		N/A	N/A	N/A		EPA 300.0	1483534
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1483556
		N/A	N/A	N/A		SM 4500-NH3G	1484111
		N/A	N/A	N/A		SM2130B-2011	1483536
		N/A	N/A	N/A		SM2320B-2011	1483556
		N/A	N/A	N/A		SM2540C-15	1484055
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1483651
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3441699006	FFMP034W	N/A	N/A	N/A		Field	1486115
		SW846 3015A	1484065	11/06/2025 10:28	RMH	SW846 6010C	1484259
		N/A	N/A	N/A		SW846 8260B	1484182
		N/A	N/A	N/A		EPA 300.0	1483534
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1483556
		N/A	N/A	N/A		SM 4500-NH3G	1484111
		N/A	N/A	N/A		SM2130B-2011	1483536
		N/A	N/A	N/A		SM2320B-2011	1483556
		N/A	N/A	N/A		SM2540C-15	1484055
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1483651
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318

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.

3441699
Logged By: SLS
PM: SJB

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	FFMP031W	11-4-25	1009		G	GW	2	1	3	1	1	x	x	1	2	
2	FFMP002W	11-4-25	1034				2	1	3	1	1	x	x	1	2	
3	Field Blank EP	11-4-25	1010				2	1	3	1	1	x	x	1	2	
4	Trip Blank	11-4-25	NA				2	1	3	1	1	x	x	1	2	
5	FFMP033W	11-4-25	1343				2	1	3	1	1	x	x	1	2	
6	FFMP034W	11-4-25	1358				2	1	3	1	1	x	x	1	2	
7																
8																
9																
10																

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

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
11-4-25	1522	1	ALS EP	2	ALS
		3		4	
		5		6	
		7		8	
		9		10	

Temp Taken By: Therm ID: WO Temp (°C)
Receipt Info completed by:_____ WV Containers 0-6°C Y N NA

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

NJ ≤ 4 days? Y N
Courier/Tracking #

Deviations? NO YES
If YES, list below:

Client contact:
Date/Tech:

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

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

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

Sample/COC Remarks

TRIP, only vials?

Sampling Hours MP 10/7/25

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 3441699

Temp °C 3 Therm ID 569 Ice? (Y) N N/A Initials & Date MP 11/4/25

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	✓	(X)		
•Matrix		X		UC WJ11531
Proper containers, preservation, and volume per method	↓			
Received within hold time				
Containers intact	↓			
Trip blanks present (EPA 504, EPA 524)	✓			
Field blanks present (Hg 1631, PFAS)	✓			
NJ ≤ 4 Days			✓	
CR6 Samples Filtered			↓	
OP Samples Filtered				
WV Containers 0-6°C				
SDWA compliance reporting			↓	

[1] *If No, provide comment*

Rad Screen (uCi) _____

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

Review Comments:

_____

_____

_____

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

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

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

Project 4TH QTR 2025 GWMP-FORM 19Q
Workorder 3441861
Report ID 477158 on 11/21/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Nov 05, 2025.

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 Susan Scherer (Project Coordinator) at (717) 944-5541.

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

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

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Ashley Gichuki - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority

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

Susan Scherer

Susan Scherer *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3441861001	FFMP032W	Ground Water	11/05/2025 08:51	11/05/2025 16:20	EMP	ALS Environmental-Middletown
3441861002	FFMP02SW	Ground Water	11/05/2025 10:37	11/05/2025 16:20	EMP	ALS Environmental-Middletown
3441861003	FFMP02DW	Ground Water	11/05/2025 11:58	11/05/2025 16:20	EMP	ALS Environmental-Middletown
3441861005	FFMP029W	Ground Water	11/05/2025 13:54	11/05/2025 16:20	EMP	ALS Environmental-Middletown
3441861006	FFMP017W	Ground Water	11/05/2025 15:12	11/05/2025 16:20	EMP	ALS Environmental-Middletown
3441861007	TRIP BLANK	Water	11/05/2025 00:00	11/07/2025 15:00	EMP	ALS Environmental-Middletown

Reference

Notes

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

Standard Acronyms/Flags

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

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
1	The Total Alkalinity is titrated to a pH of 4.5 and reported as mg CaCO3/L.
2	The pH analysis is an "analyze immediately" analysis. Parameters identified as "analyze immediately" require analysis within 15 minutes of collection, and are therefore analyzed outside of the method holding time when analyzed in the laboratory.

Detected Results Summary

Client Sample ID	FFMP032W	Collected	11/05/2025 08:51
Lab Sample ID	3441861001	Lab Receipt	11/05/2025 16:20

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	50.48	Feet		Field	#
Dissolved Oxygen	0.23	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	543.61	ft/MSL		Field	#
Oxidation-Reduction Potential	-104	mV		Field	#
pH, Field (SM4500B)	7.00	pH_Units		Field	#
Sample Depth	62.00	Feet		Field	#
Specific Conductance, Field	271	umhos/cm	1	Field	#
Temperature	13.95	Deg. C		Field	#
Total Well Depth	77.60	Feet		Field	#
Turbidity, Field	22	NTU	1	Field	#
Volume in Water Column	39.87	Gallons		Field	#
Water Level After Purge	52.83	Feet		Field	#
Well Volumes Purged	0.07	Vol		Field	#
METALS					
Calcium, Total	20.9	mg/L	0.11	SW846 6010C	#
Iron, Total	9.8	mg/L	0.067	SW846 6010C	#
Magnesium, Total	7.9	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.92	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	14.7	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	61	mg/L	5	SM2320B-2011	#
Alkalinity, Total	61	mg/L	5	SM2320B-2011	#
Ammonia-N, Low Level	0.58	mg/L	0.10	SM 4500-NH3G	#
Chloride	40.8	mg/L	2.0	EPA 300.0	#
pH	7.97	pH_Units		S4500HB-11	#
Specific Conductance	255	umhos/cm	5	SW846 9050A	#
Total Dissolved Solids	152	mg/L	25	SM2540C-15	#
Turbidity	50	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP02SW	Collected	11/05/2025 10:37
Lab Sample ID	3441861002	Lab Receipt	11/05/2025 16:20

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	15.48	Feet		Field	#
Dissolved Oxygen	7.37	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	494.42	ft/MSL		Field	#
Oxidation-Reduction Potential	208	mV		Field	#
pH, Field (SM4500B)	5.96	pH_Units		Field	#
Sample Depth	18.00	Feet		Field	#
Specific Conductance, Field	233	umhos/cm	1	Field	#
Temperature	17.38	Deg. C		Field	#
Total Well Depth	22.70	Feet		Field	#
Turbidity, Field	118	NTU	1	Field	#
Volume in Water Column	4.69	Gallons		Field	#
Water Level After Purge	16.29	Feet		Field	#
Well Volumes Purged	0.96	Vol		Field	#
METALS					
Calcium, Total	17.7	mg/L	0.11	SW846 6010C	#
Iron, Total	0.12	mg/L	0.067	SW846 6010C	#
Magnesium, Total	5.6	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.0058	mg/L	0.0056	SW846 6010C	#
Potassium, Total	5.9	mg/L	0.56	SW846 6010C	#
Sodium, Total	16.3	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	28	mg/L	5	SM2320B-2011	#
Alkalinity, Total	28	mg/L	5	SM2320B-2011	#
Chloride	14.0	mg/L	2.0	EPA 300.0	#
Nitrate-N	5.6	mg/L	1.0	EPA 300.0	#
pH	7.58	pH_Units		S4500HB-11	#
Specific Conductance	231	umhos/cm	5	SW846 9050A	#
Sulfate	34.0	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	173	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	2.8	mg/L	0.50	SW846 9060A	#
Turbidity	6.9	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP02DW	Collected	11/05/2025 11:58
Lab Sample ID	3441861003	Lab Receipt	11/05/2025 16:20

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	27.43	Feet		Field	#
Elev Top MW Casing above MSL	509.60	Feet		Field	#
Flow Rate	1.88	gal/min		Field	#
Ground Water Elevation	482.17	ft/MSL		Field	#
Oxidation-Reduction Potential	7	mV		Field	#
pH, Field (SM4500B)	7.18	pH_Units		Field	#
Sample Depth	120.00	Feet		Field	#
Specific Conductance, Field	1497	umhos/cm	1	Field	#
Temperature	15.88	Deg. C		Field	#
Total Well Depth	153.00	Feet		Field	#
Turbidity, Field	7	NTU	1	Field	#
Volume in Water Column	184.59	Gallons		Field	#
Water Level After Purge	102.23	Feet		Field	#
Well Volumes Purged	1.22	Vol		Field	#
METALS					
Calcium, Total	130	mg/L	0.11	SW846 6010C	#
Iron, Total	0.72	mg/L	0.067	SW846 6010C	#
Magnesium, Total	20.1	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.086	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.2	mg/L	0.56	SW846 6010C	#
Sodium, Total	140	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	136	mg/L	5	SM2320B-2011	#
Alkalinity, Total	136	mg/L	5	SM2320B-2011	#
Chloride	343	mg/L	5.0	EPA 300.0	#
Nitrate-N	6.1	mg/L	2.5	EPA 300.0	#
pH	8.09	pH_Units		S4500HB-11	#
Specific Conductance	1520	umhos/cm	5	SW846 9050A	#
Sulfate	42.0	mg/L	5.0	EPA 300.0	#
Total Dissolved Solids	1090	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.91	mg/L	0.50	SW846 9060A	#
Turbidity	11	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP029W	Collected	11/05/2025 13:54
Lab Sample ID	3441861005	Lab Receipt	11/05/2025 16:20

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	41.04	Feet		Field	#
Dissolved Oxygen	6.21	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	477.30	Feet		Field	#
Flow Rate	2.06	gal/min		Field	#
Ground Water Elevation	436.26	ft/MSL		Field	#
Oxidation-Reduction Potential	280	mV		Field	#
pH, Field (SM4500B)	4.80	pH_Units		Field	#
Sample Depth	55.00	Feet		Field	#
Specific Conductance, Field	216	umhos/cm	1	Field	#
Temperature	14.74	Deg. C		Field	#
Total Well Depth	60.50	Feet		Field	#
Volume in Water Column	28.61	Gallons		Field	#
Water Level After Purge	44.98	Feet		Field	#
Well Volumes Purged	1.01	Vol		Field	#
METALS					
Calcium, Total	11.2	mg/L	0.11	SW846 6010C	#
Magnesium, Total	8.9	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.012	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.0	mg/L	0.56	SW846 6010C	#
Sodium, Total	14.5	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	26	mg/L	5	SM2320B-2011	#
Alkalinity, Total	26	mg/L	5	SM2320B-2011	#
Chloride	48.2	mg/L	2.0	EPA 300.0	#
Nitrate-N	3.6	mg/L	1.0	EPA 300.0	#
pH	7.49	pH_Units		S4500HB-11	#
Specific Conductance	221	umhos/cm	5	SW846 9050A	#
Total Dissolved Solids	185	mg/L	25	SM2540C-15	#
Turbidity	1.6	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP017W	Collected	11/05/2025 15:12
Lab Sample ID	3441861006	Lab Receipt	11/05/2025 16:20

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	46.65	Feet		Field	#
Dissolved Oxygen	0.58	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	480.70	Feet		Field	#
Flow Rate	2.04	gal/min		Field	#
Ground Water Elevation	434.05	ft/MSL		Field	#
Oxidation-Reduction Potential	202	mV		Field	#
pH, Field (SM4500B)	5.91	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	1800	umhos/cm	1	Field	#
Temperature	13.06	Deg. C		Field	#
Total Well Depth	150.50	Feet		Field	#
Volume in Water Column	152.66	Gallons		Field	#
Water Level After Purge	52.50	Feet		Field	#
Well Volumes Purged	1.07	Vol		Field	#
METALS					
Calcium, Total	140	mg/L	0.11	SW846 6010C	#
Iron, Total	0.068	mg/L	0.067	SW846 6010C	#
Magnesium, Total	50.6	mg/L	0.11	SW846 6010C	#
Manganese, Total	1.2	mg/L	0.0056	SW846 6010C	#
Potassium, Total	9.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	140	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	99	mg/L	5	SM2320B-2011	#
Alkalinity, Total	99	mg/L	5	SM2320B-2011	#
Chloride	447	mg/L	5.0	EPA 300.0	#
Nitrate-N	2.9	mg/L	2.5	EPA 300.0	#
pH	7.89	pH_Units		S4500HB-11	#
Specific Conductance	1860	umhos/cm	5	SW846 9050A	#
Sulfate	108	mg/L	5.0	EPA 300.0	#
Total Dissolved Solids	1350	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	2.9	mg/L	0.50	SW846 9060A	#
Turbidity	3.8	NTU	0.30	SM2130B-2011	#

Results

Client Sample ID	FFMP032W	Collected	11/05/2025 08:51
Lab Sample ID	3441861001	Lab Receipt	11/05/2025 16:20

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	50.48		Feet		Field	1	11/05/2025 08:51	EMP	D
Dissolved Oxygen	0.23		mg/L	0.01	Field	1	11/05/2025 08:51	EMP	D
Elev Top MW Casing above MSL	594.09		Feet		Field	1	11/05/2025 08:51	EMP	D
Flow Rate	0.07		gal/min		Field	1	11/05/2025 08:51	EMP	D
Ground Water Elevation	543.61		ft/MSL		Field	1	11/05/2025 08:51	EMP	D
Oxidation-Reduction Potential	-104		mV		Field	1	11/05/2025 08:51	EMP	D
pH, Field (SM4500B)	7.00		pH_Units		Field	1	11/05/2025 08:51	EMP	D
Sample Depth	62.00		Feet		Field	1	11/05/2025 08:51	EMP	D
Specific Conductance, Field	271		umhos/cm	1	Field	1	11/05/2025 08:51	EMP	D
Temperature	13.95		Deg. C		Field	1	11/05/2025 08:51	EMP	D
Total Well Depth	77.60		Feet		Field	1	11/05/2025 08:51	EMP	D
Turbidity, Field	22		NTU	1	Field	1	11/05/2025 08:51	EMP	D
Volume in Water Column	39.87		Gallons		Field	1	11/05/2025 08:51	EMP	D
Water Level After Purge	52.83		Feet		Field	1	11/05/2025 08:51	EMP	D
Well Volumes Purged	0.07		Vol		Field	1	11/05/2025 08:51	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	20.9		mg/L	0.11	SW846 6010C	1	11/13/2025 14:19	MSY	J1
Iron, Total	9.8		mg/L	0.067	SW846 6010C	1	11/13/2025 14:19	MSY	J1
Magnesium, Total	7.9		mg/L	0.11	SW846 6010C	1	11/13/2025 14:19	MSY	J1
Manganese, Total	0.92		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:19	MSY	J1
Potassium, Total	1.6		mg/L	0.56	SW846 6010C	1	11/13/2025 14:19	MSY	J1
Sodium, Total	14.7		mg/L	0.56	SW846 6010C	1	11/13/2025 14:19	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	11/11/2025 03:44	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 03:44	IXK	H

Results

Client Sample ID	FFMP032W	Collected	11/05/2025 08:51
Lab Sample ID	3441861001	Lab Receipt	11/05/2025 16:20

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	95.8%	62 – 133	11/11/2025 03:44	
4-Bromofluorobenzene	460-00-4	96.6%	79 – 114	11/11/2025 03:44	
Dibromofluoromethane	1868-53-7	100%	78 – 116	11/11/2025 03:44	
Toluene-d8	2037-26-5	98.2%	76 – 127	11/11/2025 03:44	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	61		mg/L	5	SM2320B-2011	1	11/08/2025 04:47	JXK	B
Alkalinity, Total	61	1	mg/L	5	SM2320B-2011	1	11/08/2025 04:47	JXK	B
Ammonia-N, Low Level	0.58		mg/L	0.10	SM 4500-NH3G	1	11/11/2025 09:56	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	40.8		mg/L	2.0	EPA 300.0	2	11/06/2025 12:26	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/06/2025 12:26	J1W	B
Nitrate-N	ND	ND	mg/L	1.0	EPA 300.0	2	11/06/2025 12:26	J1W	B
pH	7.97	2	pH_Units		S4500HB-11	1	11/08/2025 04:47	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 10:20	ZEB	G
Specific Conductance	255		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	ND	ND	mg/L	2.0	EPA 300.0	2	11/06/2025 12:26	J1W	B
Total Dissolved Solids	152		mg/L	25	SM2540C-15	1	11/06/2025 15:25	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	11/07/2025 19:22	PAG	E
Turbidity	50		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FFMP02SW	Collected	11/05/2025 10:37
Lab Sample ID	3441861002	Lab Receipt	11/05/2025 16:20

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	15.48		Feet		Field	1	11/05/2025 10:37	EMP	D
Dissolved Oxygen	7.37		mg/L	0.01	Field	1	11/05/2025 10:37	EMP	D
Elev Top MW Casing above MSL	509.90		Feet		Field	1	11/05/2025 10:37	EMP	D
Flow Rate	0.07		gal/min		Field	1	11/05/2025 10:37	EMP	D
Ground Water Elevation	494.42		ft/MSL		Field	1	11/05/2025 10:37	EMP	D
Oxidation-Reduction Potential	208		mV		Field	1	11/05/2025 10:37	EMP	D
pH, Field (SM4500B)	5.96		pH_Units		Field	1	11/05/2025 10:37	EMP	D
Sample Depth	18.00		Feet		Field	1	11/05/2025 10:37	EMP	D
Specific Conductance, Field	233		umhos/cm	1	Field	1	11/05/2025 10:37	EMP	D
Temperature	17.38		Deg. C		Field	1	11/05/2025 10:37	EMP	D
Total Well Depth	22.70		Feet		Field	1	11/05/2025 10:37	EMP	D
Turbidity, Field	118		NTU	1	Field	1	11/05/2025 10:37	EMP	D
Volume in Water Column	4.69		Gallons		Field	1	11/05/2025 10:37	EMP	D
Water Level After Purge	16.29		Feet		Field	1	11/05/2025 10:37	EMP	D
Well Volumes Purged	0.96		Vol		Field	1	11/05/2025 10:37	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	17.7		mg/L	0.11	SW846 6010C	1	11/13/2025 14:30	MSY	J1
Iron, Total	0.12		mg/L	0.067	SW846 6010C	1	11/13/2025 14:30	MSY	J1
Magnesium, Total	5.6		mg/L	0.11	SW846 6010C	1	11/13/2025 14:30	MSY	J1
Manganese, Total	0.0058		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:30	MSY	J1
Potassium, Total	5.9		mg/L	0.56	SW846 6010C	1	11/13/2025 14:30	MSY	J1
Sodium, Total	16.3		mg/L	0.56	SW846 6010C	1	11/13/2025 14:30	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	11/11/2025 04:25	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:25	IXK	H

Results

Client Sample ID	FFMP02SW	Collected	11/05/2025 10:37
Lab Sample ID	3441861002	Lab Receipt	11/05/2025 16:20

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	97.2%	62 – 133	11/11/2025 04:25	
4-Bromofluorobenzene	460-00-4	98.6%	79 – 114	11/11/2025 04:25	
Dibromofluoromethane	1868-53-7	99.3%	78 – 116	11/11/2025 04:25	
Toluene-d8	2037-26-5	99.4%	76 – 127	11/11/2025 04:25	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	28		mg/L	5	SM2320B-2011	1	11/08/2025 04:59	JXK	B
Alkalinity, Total	28	1	mg/L	5	SM2320B-2011	1	11/08/2025 04:59	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/11/2025 10:06	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	14.0		mg/L	2.0	EPA 300.0	2	11/06/2025 12:39	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/06/2025 12:39	J1W	B
Nitrate-N	5.6		mg/L	1.0	EPA 300.0	2	11/06/2025 12:39	J1W	B
pH	7.58	2	pH_Units		S4500HB-11	1	11/08/2025 04:59	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 10:24	ZEB	G
Specific Conductance	231		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	34.0		mg/L	2.0	EPA 300.0	2	11/06/2025 12:39	J1W	B
Total Dissolved Solids	173		mg/L	25	SM2540C-15	1	11/06/2025 15:25	RAG	B
Total Organic Carbon (TOC)	2.8		mg/L	0.50	SW846 9060A	1	11/07/2025 19:22	PAG	E
Turbidity	6.9		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FFMP02DW	Collected	11/05/2025 11:58
Lab Sample ID	3441861003	Lab Receipt	11/05/2025 16:20

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	27.43		Feet		Field	1	11/05/2025 11:58	EMP	D
Dissolved Oxygen	ND	ND	mg/L	0.01	Field	1	11/05/2025 11:58	EMP	D
Elev Top MW Casing above MSL	509.60		Feet		Field	1	11/05/2025 11:58	EMP	D
Flow Rate	1.88		gal/min		Field	1	11/05/2025 11:58	EMP	D
Ground Water Elevation	482.17		ft/MSL		Field	1	11/05/2025 11:58	EMP	D
Oxidation-Reduction Potential	7		mV		Field	1	11/05/2025 11:58	EMP	D
pH, Field (SM4500B)	7.18		pH_Units		Field	1	11/05/2025 11:58	EMP	D
Sample Depth	120.00		Feet		Field	1	11/05/2025 11:58	EMP	D
Specific Conductance, Field	1497		umhos/cm	1	Field	1	11/05/2025 11:58	EMP	D
Temperature	15.88		Deg. C		Field	1	11/05/2025 11:58	EMP	D
Total Well Depth	153.00		Feet		Field	1	11/05/2025 11:58	EMP	D
Turbidity, Field	7		NTU	1	Field	1	11/05/2025 11:58	EMP	D
Volume in Water Column	184.59		Gallons		Field	1	11/05/2025 11:58	EMP	D
Water Level After Purge	102.23		Feet		Field	1	11/05/2025 11:58	EMP	D
Well Volumes Purged	1.22		Vol		Field	1	11/05/2025 11:58	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	130		mg/L	0.11	SW846 6010C	1	11/13/2025 14:21	MSY	J1
Iron, Total	0.72		mg/L	0.067	SW846 6010C	1	11/13/2025 14:21	MSY	J1
Magnesium, Total	20.1		mg/L	0.11	SW846 6010C	1	11/13/2025 14:21	MSY	J1
Manganese, Total	0.086		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:21	MSY	J1
Potassium, Total	1.2		mg/L	0.56	SW846 6010C	1	11/13/2025 14:21	MSY	J1
Sodium, Total	140		mg/L	0.56	SW846 6010C	1	11/13/2025 14:21	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	11/11/2025 04:46	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 04:46	IXK	H

Results

Client Sample ID	FFMP02DW	Collected	11/05/2025 11:58
Lab Sample ID	3441861003	Lab Receipt	11/05/2025 16:20

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	97.3%	62 – 133	11/11/2025 04:46	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	11/11/2025 04:46	
Dibromofluoromethane	1868-53-7	99.3%	78 – 116	11/11/2025 04:46	
Toluene-d8	2037-26-5	98.4%	76 – 127	11/11/2025 04:46	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	136		mg/L	5	SM2320B-2011	1	11/08/2025 05:11	JXK	B
Alkalinity, Total	136	1	mg/L	5	SM2320B-2011	1	11/08/2025 05:11	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/11/2025 10:09	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	343		mg/L	5.0	EPA 300.0	5	11/06/2025 13:29	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	11/06/2025 13:29	J1W	B
Nitrate-N	6.1		mg/L	2.5	EPA 300.0	5	11/06/2025 13:29	J1W	B
pH	8.09	2	pH_Units		S4500HB-11	1	11/08/2025 05:11	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 10:27	ZEB	G
Specific Conductance	1520		umhos/cm	5	SW846 9050A	1	11/20/2025 13:05	A1L	B
Sulfate	42.0		mg/L	5.0	EPA 300.0	5	11/06/2025 13:29	J1W	B
Total Dissolved Solids	1090		mg/L	25	SM2540C-15	1	11/06/2025 15:25	RAG	B
Total Organic Carbon (TOC)	0.91		mg/L	0.50	SW846 9060A	1	11/07/2025 19:22	PAG	E
Turbidity	11		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FFMP029W	Collected	11/05/2025 13:54
Lab Sample ID	3441861005	Lab Receipt	11/05/2025 16:20

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	41.04		Feet		Field	1	11/05/2025 13:54	EMP	D
Dissolved Oxygen	6.21		mg/L	0.01	Field	1	11/05/2025 13:54	EMP	D
Elev Top MW Casing above MSL	477.30		Feet		Field	1	11/05/2025 13:54	EMP	D
Flow Rate	2.06		gal/min		Field	1	11/05/2025 13:54	EMP	D
Ground Water Elevation	436.26		ft/MSL		Field	1	11/05/2025 13:54	EMP	D
Oxidation-Reduction Potential	280		mV		Field	1	11/05/2025 13:54	EMP	D
pH, Field (SM4500B)	4.80		pH_Units		Field	1	11/05/2025 13:54	EMP	D
Sample Depth	55.00		Feet		Field	1	11/05/2025 13:54	EMP	D
Specific Conductance, Field	216		umhos/cm	1	Field	1	11/05/2025 13:54	EMP	D
Temperature	14.74		Deg. C		Field	1	11/05/2025 13:54	EMP	D
Total Well Depth	60.50		Feet		Field	1	11/05/2025 13:54	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	11/05/2025 13:54	EMP	D
Volume in Water Column	28.61		Gallons		Field	1	11/05/2025 13:54	EMP	D
Water Level After Purge	44.98		Feet		Field	1	11/05/2025 13:54	EMP	D
Well Volumes Purged	1.01		Vol		Field	1	11/05/2025 13:54	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	11.2		mg/L	0.11	SW846 6010C	1	11/13/2025 13:20	MSY	J1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	11/13/2025 13:20	MSY	J1
Magnesium, Total	8.9		mg/L	0.11	SW846 6010C	1	11/13/2025 13:20	MSY	J1
Manganese, Total	0.012		mg/L	0.0056	SW846 6010C	1	11/13/2025 13:20	MSY	J1
Potassium, Total	2.0		mg/L	0.56	SW846 6010C	1	11/13/2025 13:20	MSY	J1
Sodium, Total	14.5		mg/L	0.56	SW846 6010C	1	11/13/2025 13:20	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	11/11/2025 05:06	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:06	IXK	H

Results

Client Sample ID	FFMP029W	Collected	11/05/2025 13:54
Lab Sample ID	3441861005	Lab Receipt	11/05/2025 16:20

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	97.2%	62 – 133	11/11/2025 05:06	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	11/11/2025 05:06	
Dibromofluoromethane	1868-53-7	98%	78 – 116	11/11/2025 05:06	
Toluene-d8	2037-26-5	98.4%	76 – 127	11/11/2025 05:06	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	26		mg/L	5	SM2320B-2011	1	11/08/2025 05:24	JXK	B
Alkalinity, Total	26	1	mg/L	5	SM2320B-2011	1	11/08/2025 05:24	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/11/2025 10:13	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	48.2		mg/L	2.0	EPA 300.0	2	11/06/2025 13:41	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/06/2025 13:41	J1W	B
Nitrate-N	3.6		mg/L	1.0	EPA 300.0	2	11/06/2025 13:41	J1W	B
pH	7.49	2	pH_Units		S4500HB-11	1	11/08/2025 05:24	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 10:30	ZEB	G
Specific Conductance	221		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	ND	ND	mg/L	2.0	EPA 300.0	2	11/06/2025 13:41	J1W	B
Total Dissolved Solids	185		mg/L	25	SM2540C-15	1	11/06/2025 15:25	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	11/07/2025 19:22	PAG	E
Turbidity	1.6		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	FFMP017W	Collected	11/05/2025 15:12
Lab Sample ID	3441861006	Lab Receipt	11/05/2025 16:20

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	46.65		Feet		Field	1	11/05/2025 15:12	EMP	D
Dissolved Oxygen	0.58		mg/L	0.01	Field	1	11/05/2025 15:12	EMP	D
Elev Top MW Casing above MSL	480.70		Feet		Field	1	11/05/2025 15:12	EMP	D
Flow Rate	2.04		gal/min		Field	1	11/05/2025 15:12	EMP	D
Ground Water Elevation	434.05		ft/MSL		Field	1	11/05/2025 15:12	EMP	D
Oxidation-Reduction Potential	202		mV		Field	1	11/05/2025 15:12	EMP	D
pH, Field (SM4500B)	5.91		pH_Units		Field	1	11/05/2025 15:12	EMP	D
Sample Depth	135.00		Feet		Field	1	11/05/2025 15:12	EMP	D
Specific Conductance, Field	1800		umhos/cm	1	Field	1	11/05/2025 15:12	EMP	D
Temperature	13.06		Deg. C		Field	1	11/05/2025 15:12	EMP	D
Total Well Depth	150.50		Feet		Field	1	11/05/2025 15:12	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	11/05/2025 15:12	EMP	D
Volume in Water Column	152.66		Gallons		Field	1	11/05/2025 15:12	EMP	D
Water Level After Purge	52.50		Feet		Field	1	11/05/2025 15:12	EMP	D
Well Volumes Purged	1.07		Vol		Field	1	11/05/2025 15:12	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	140		mg/L	0.11	SW846 6010C	1	11/13/2025 14:11	MSY	J1
Iron, Total	0.068		mg/L	0.067	SW846 6010C	1	11/13/2025 14:11	MSY	J1
Magnesium, Total	50.6		mg/L	0.11	SW846 6010C	1	11/13/2025 14:11	MSY	J1
Manganese, Total	1.2		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:11	MSY	J1
Potassium, Total	9.6		mg/L	0.56	SW846 6010C	1	11/13/2025 14:11	MSY	J1
Sodium, Total	140		mg/L	0.56	SW846 6010C	1	11/13/2025 14:11	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	11/11/2025 05:26	IXK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/11/2025 05:26	IXK	H

Results

Client Sample ID	FFMP017W	Collected	11/05/2025 15:12
Lab Sample ID	3441861006	Lab Receipt	11/05/2025 16:20

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	96.8%	62 – 133	11/11/2025 05:26	
4-Bromofluorobenzene	460-00-4	99.9%	79 – 114	11/11/2025 05:26	
Dibromofluoromethane	1868-53-7	99%	78 – 116	11/11/2025 05:26	
Toluene-d8	2037-26-5	99.1%	76 – 127	11/11/2025 05:26	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	99		mg/L	5	SM2320B-2011	1	11/08/2025 05:36	JXK	B
Alkalinity, Total	99	1	mg/L	5	SM2320B-2011	1	11/08/2025 05:36	JXK	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/11/2025 10:16	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/10/2025 11:00	KMS	A
Chloride	447		mg/L	5.0	EPA 300.0	5	11/06/2025 13:54	J1W	B
Fluoride	ND	ND	mg/L	0.50	EPA 300.0	5	11/06/2025 13:54	J1W	B
Nitrate-N	2.9		mg/L	2.5	EPA 300.0	5	11/06/2025 13:54	J1W	B
pH	7.89	2	pH_Units		S4500HB-11	1	11/08/2025 05:36	JXK	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 10:34	ZEB	G
Specific Conductance	1860		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	108		mg/L	5.0	EPA 300.0	5	11/06/2025 13:54	J1W	B
Total Dissolved Solids	1350		mg/L	25	SM2540C-15	1	11/07/2025 14:10	RAG	B
Total Organic Carbon (TOC)	2.9		mg/L	0.50	SW846 9060A	1	11/07/2025 19:22	PAG	E
Turbidity	3.8		NTU	0.30	SM2130B-2011	1	11/05/2025 09:05	NPF	B

Results

Client Sample ID	TRIP BLANK	Collected	11/05/2025 00:00
Lab Sample ID	3441861007	Lab Receipt	11/07/2025 15:00

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	11/15/2025 16:30	IXK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/15/2025 16:30	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	95.5%	62 – 133	11/15/2025 16:30	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	11/15/2025 16:30	
Dibromofluoromethane	1868-53-7	99.4%	78 – 116	11/15/2025 16:30	
Toluene-d8	2037-26-5	103%	76 – 127	11/15/2025 16:30	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3441861001	FFMP032W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441861002	FFMP02SW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441861003	FFMP02DW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441861005	FFMP029W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3441861006	FFMP017W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3441861007	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
3441861001	FFMP032W	N/A	N/A	N/A		Field	1486119
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1485452
		N/A	N/A	N/A		EPA 300.0	1483988
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1484330
		N/A	N/A	N/A		SM 4500-NH3G	1484254
		N/A	N/A	N/A		SM2130B-2011	1484033
		N/A	N/A	N/A		SM2320B-2011	1484330
		N/A	N/A	N/A		SM2540C-15	1484057
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1484298
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441861002	FFMP02SW	N/A	N/A	N/A		Field	1486119
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1485452
		N/A	N/A	N/A		EPA 300.0	1483988
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1484330
		N/A	N/A	N/A		SM 4500-NH3G	1484254
		N/A	N/A	N/A		SM2130B-2011	1484033
		N/A	N/A	N/A		SM2320B-2011	1484330
		N/A	N/A	N/A		SM2540C-15	1484057
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1484298
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441861003	FFMP02DW	N/A	N/A	N/A		Field	1486113
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1485452
		N/A	N/A	N/A		EPA 300.0	1483988
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1484330
		N/A	N/A	N/A		SM 4500-NH3G	1484254
		N/A	N/A	N/A		SM2130B-2011	1484033
		N/A	N/A	N/A		SM2320B-2011	1484330
		N/A	N/A	N/A		SM2540C-15	1484057
		N/A	N/A	N/A		SW846 9050A	1488805
		N/A	N/A	N/A		SW846 9060A	1484298
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441861005	FFMP029W	N/A	N/A	N/A		Field	1486113
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1485452
		N/A	N/A	N/A		EPA 300.0	1483988
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1484330
		N/A	N/A	N/A		SM 4500-NH3G	1484254
		N/A	N/A	N/A		SM2130B-2011	1484033
		N/A	N/A	N/A		SM2320B-2011	1484330
		N/A	N/A	N/A		SM2540C-15	1484057
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1484298
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3441861006	FFMP017W	N/A	N/A	N/A		Field	1486113
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1485452
		N/A	N/A	N/A		EPA 300.0	1483988
		N/A	N/A	N/A		EPA 410.4	1484143
		N/A	N/A	N/A		S4500HB-11	1484330
		N/A	N/A	N/A		SM 4500-NH3G	1484254
		N/A	N/A	N/A		SM2130B-2011	1484033
		N/A	N/A	N/A		SM2320B-2011	1484330
		N/A	N/A	N/A		SM2540C-15	1484158
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1484298
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3441861007	TRIP BLANK	N/A	N/A	N/A		SW846 8260B	1486471

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.

3441861 — Logged By: SLS — PM: SJB — 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	FFMP032W	11-5-25	0851		G	GW	2	1	3	1	1	x	x	1	2	
2	FFMP025W	11-5-25	1037				↓	↓	↓	↓	↓			↓	↓	
3	FFMP020W	11-5-25	1158				↓	↓	↓	↓	↓			↓	↓	
4	Trip Blank	11-5-25	NA						*2 hch 11/7/25							
5	FFMP089W	11-5-25	1354				↓2	↓1	↓3	↓1	↓1			↓1	↓2	
6	FFMP017W	11-5-25	1512				↓	↓	↓	↓	↓			↓	↓	
7										hch 11/5/25						
8																
9																
10																

Receipt Info completed by:_____ — (ceiving Lab) — WO Temp (°C) 4 — WV Containers 0-6°C Y N NA

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

NJ ≤ 4 days? Y N

Courier/Tracking #

Deviations? NO YES — If YES, llist below:

Client contact:

Date/Tech:

Sample(s) for Radiation testing? Y N — Rad Screen (uCi)_____

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

SDWA State of Origin?_____ — New Source Contact:

PWSID #__

PWS Contact:_____ PWS Phone #:_____

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

Sample/COC Remarks

*Trip Blank Recieved 11/7/25 Hch 11/7/25

Sampling Hours

Contains Short Hold Testing YES NO

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

Circle Sample Collector: ALS Tech / Client

Name: Evan P ID:

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
11-5-25	1620	1	ALS EP	2	Tahaydt ALS
		3		4	
		5		6	
		7		8	
		9		10	

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

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

Sample Disposal: Lab [x] Special [ ]

EDDS: Format Type

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

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

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

Rev 07.06.2023

right solutions. right partner

Middletown Sample Condition Form

Client Lanc. Cty Solid Waste Workorder 3441861

Temp °C 4 Therm ID 649 Ice? (Y) N N/A Initials & Date HKh 11/5/25

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:

_____

_____

_____

11/21/2025 9:47 AM

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

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

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

Project 4TH QTR 2025 GWMP-FORM 19Q
Workorder 3442142
Report ID 476811 on 11/20/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Nov 06, 2025.

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 Susan Scherer (Project Coordinator) at (717) 944-5541.

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

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

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Ashley Gichuki - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority

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

Susan Scherer

Susan Scherer *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3442142001	FFMP005W	Ground Water	11/06/2025 09:57	11/06/2025 16:40	EMP	ALS Environmental-Middletown
3442142002	FFMP03AW	Ground Water	11/06/2025 13:10	11/06/2025 16:40	EMP	ALS Environmental-Middletown
3442142003	FFMP015W	Ground Water	11/06/2025 14:24	11/06/2025 16:40	EMP	ALS Environmental-Middletown
3442142004	FFMP039W	Ground Water	11/06/2025 15:33	11/06/2025 16:40	EMP	ALS Environmental-Middletown
3442142005	TRIP BLANK	Water	11/06/2025 00:00	11/06/2025 16:40	EMP	ALS Environmental-Middletown

Reference

Notes

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

Standard Acronyms/Flags

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

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.	
E	Result reported exceeds instrument calibration
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 sample was originally run within hold time, but required further analysis that exceeded hold time.
4	This sample was reran out of hold within the instrument's calibration range, for the analyte Nitrate/Nitrite -N, and confirms the initial in-hold reported result.
5	The QC sample type DUP for method SM2540C-15 was outside the control limits for the analyte Total Dissolved Solids. The RPD was reported as 5.84 and the upper control limit is 5.

Detected Results Summary

Client Sample ID	FFMP005W	Collected	11/06/2025 09:57
Lab Sample ID	3442142001	Lab Receipt	11/06/2025 16:40

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	75.41	Feet		Field	#
Dissolved Oxygen	0.15	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	537.40	Feet		Field	#
Flow Rate	1.34	gal/min		Field	#
Ground Water Elevation	461.99	ft/MSL		Field	#
Oxidation-Reduction Potential	285	mV		Field	#
pH, Field (SM4500B)	5.40	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	810	umhos/cm	1	Field	#
Temperature	13.87	Deg. C		Field	#
Total Well Depth	149.70	Feet		Field	#
Volume in Water Column	109.21	Gallons		Field	#
Water Level After Purge	93.44	Feet		Field	#
Well Volumes Purged	1.29	Vol		Field	#
METALS					
Calcium, Total	79.6	mg/L	0.11	SW846 6010C	#
Magnesium, Total	18.9	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.14	mg/L	0.0056	SW846 6010C	#
Potassium, Total	3.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	49.8	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	62	mg/L	5	SM2320B-2011	#
Alkalinity, Total	62	mg/L	5	SM2320B-2011	#
Chloride	167	mg/L	2.0	EPA 300.0	#
Nitrate-N	2.1	mg/L	1.0	EPA 300.0	#
pH	7.63	pH_Units		S4500HB-11	#
Specific Conductance	844	umhos/cm	5	SW846 9050A	#
Sulfate	71.0	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	552	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.3	mg/L	0.50	SW846 9060A	#
Turbidity	2.5	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP03AW	Collected	11/06/2025 13:10
Lab Sample ID	3442142002	Lab Receipt	11/06/2025 16:40

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	52.83	Feet		Field	#
Dissolved Oxygen	7.84	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	590.90	Feet		Field	#
Flow Rate	1.50	gal/min		Field	#
Ground Water Elevation	538.07	ft/MSL		Field	#
Oxidation-Reduction Potential	350	mV		Field	#
pH, Field (SM4500B)	5.08	pH_Units		Field	#
Sample Depth	130.00	Feet		Field	#
Specific Conductance, Field	385	umhos/cm	1	Field	#
Temperature	14.74	Deg. C		Field	#
Total Well Depth	148.40	Feet		Field	#
Volume in Water Column	140.49	Gallons		Field	#
Water Level After Purge	108.06	Feet		Field	#
Well Volumes Purged	1.82	Vol		Field	#
METALS					
Calcium, Total	21.8	mg/L	0.11	SW846 6010C	#
Magnesium, Total	18.6	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.29	mg/L	0.0055	SW846 6010C	#
Potassium, Total	1.6	mg/L	0.55	SW846 6010C	#
Sodium, Total	17.9	mg/L	0.55	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	11	mg/L	5	SM2320B-2011	#
Alkalinity, Total	11	mg/L	5	SM2320B-2011	#
Chloride	54.5	mg/L	2.0	EPA 300.0	#
Nitrate-N	20.4	mg/L	1.0	EPA 300.0	#
pH	7.03	pH_Units		S4500HB-11	#
Specific Conductance	395	umhos/cm	5	SW846 9050A	#
Total Dissolved Solids	282	mg/L	25	SM2540C-15	#
Turbidity	1.1	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP015W	Collected	11/06/2025 14:24
Lab Sample ID	3442142003	Lab Receipt	11/06/2025 16:40

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	63.58	Feet		Field	#
Dissolved Oxygen	8.06	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	576.40	Feet		Field	#
Flow Rate	1.37	gal/min		Field	#
Ground Water Elevation	512.82	ft/MSL		Field	#
Oxidation-Reduction Potential	229	mV		Field	#
pH, Field (SM4500B)	5.67	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	415	umhos/cm	1	Field	#
Temperature	16.39	Deg. C		Field	#
Total Well Depth	149.90	Feet		Field	#
Turbidity, Field	48	NTU	1	Field	#
Volume in Water Column	126.89	Gallons		Field	#
Water Level After Purge	112.21	Feet		Field	#
Well Volumes Purged	2.11	Vol		Field	#
METALS					
Calcium, Total	26.4	mg/L	0.11	SW846 6010C	#
Magnesium, Total	20.7	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.0091	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.1	mg/L	0.56	SW846 6010C	#
Sodium, Total	17.6	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	25	mg/L	5	SM2320B-2011	#
Alkalinity, Total	25	mg/L	5	SM2320B-2011	#
Chloride	31.4	mg/L	2.0	EPA 300.0	#
Nitrate-N	25.3	mg/L	1.0	EPA 300.0	#
pH	7.43	pH_Units		S4500HB-11	#
Specific Conductance	422	umhos/cm	5	SW846 9050A	#
Sulfate	21.7	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	286	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.0	mg/L	0.50	SW846 9060A	#
Turbidity	0.65	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP039W	Collected	11/06/2025 15:33
Lab Sample ID	3442142004	Lab Receipt	11/06/2025 16:40

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	15.92	Feet		Field	#
Elev Top MW Casing above MSL	455.65	Feet		Field	#
Flow Rate	1.80	gal/min		Field	#
Ground Water Elevation	439.73	ft/MSL		Field	#
Oxidation-Reduction Potential	132	mV		Field	#
pH, Field (SM4500B)	5.67	pH_Units		Field	#
Sample Depth	118.00	Feet		Field	#
Specific Conductance, Field	914	umhos/cm	1	Field	#
Temperature	14.17	Deg. C		Field	#
Total Well Depth	131.50	Feet		Field	#
Turbidity, Field	9	NTU	1	Field	#
Volume in Water Column	169.90	Gallons		Field	#
Water Level After Purge	21.63	Feet		Field	#
Well Volumes Purged	1.17	Vol		Field	#
METALS					
Calcium, Total	66.1	mg/L	0.11	SW846 6010C	#
Iron, Total	0.82	mg/L	0.067	SW846 6010C	#
Magnesium, Total	22.5	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.67	mg/L	0.0056	SW846 6010C	#
Potassium, Total	6.2	mg/L	0.56	SW846 6010C	#
Sodium, Total	70.3	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	43	mg/L	5	SM2320B-2011	#
Alkalinity, Total	43	mg/L	5	SM2320B-2011	#
Ammonia-N, Low Level	0.34	mg/L	0.10	SM 4500-NH3G	#
Chloride	218	mg/L	5.0	EPA 300.0	#
Nitrate-N	3.4	mg/L	1.0	EPA 300.0	#
pH	7.58	pH_Units		S4500HB-11	#
Specific Conductance	949	umhos/cm	5	SW846 9050A	#
Sulfate	42.7	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	594	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.0	mg/L	0.50	SW846 9060A	#
Turbidity	13	NTU	0.30	SM2130B-2011	#

Results

Client Sample ID	FFMP005W	Collected	11/06/2025 09:57
Lab Sample ID	3442142001	Lab Receipt	11/06/2025 16:40

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	75.41		Feet		Field	1	11/06/2025 09:57	EMP	D
Dissolved Oxygen	0.15		mg/L	0.01	Field	1	11/06/2025 09:57	EMP	D
Elev Top MW Casing above MSL	537.40		Feet		Field	1	11/06/2025 09:57	EMP	D
Flow Rate	1.34		gal/min		Field	1	11/06/2025 09:57	EMP	D
Ground Water Elevation	461.99		ft/MSL		Field	1	11/06/2025 09:57	EMP	D
Oxidation-Reduction Potential	285		mV		Field	1	11/06/2025 09:57	EMP	D
pH, Field (SM4500B)	5.40		pH_Units		Field	1	11/06/2025 09:57	EMP	D
Sample Depth	135.00		Feet		Field	1	11/06/2025 09:57	EMP	D
Specific Conductance, Field	810		umhos/cm	1	Field	1	11/06/2025 09:57	EMP	D
Temperature	13.87		Deg. C		Field	1	11/06/2025 09:57	EMP	D
Total Well Depth	149.70		Feet		Field	1	11/06/2025 09:57	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	11/06/2025 09:57	EMP	D
Volume in Water Column	109.21		Gallons		Field	1	11/06/2025 09:57	EMP	D
Water Level After Purge	93.44		Feet		Field	1	11/06/2025 09:57	EMP	D
Well Volumes Purged	1.29		Vol		Field	1	11/06/2025 09:57	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	79.6		mg/L	0.11	SW846 6010C	1	11/13/2025 14:24	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	11/13/2025 14:24	MSY	K1
Magnesium, Total	18.9		mg/L	0.11	SW846 6010C	1	11/13/2025 14:24	MSY	K1
Manganese, Total	0.14		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:24	MSY	K1
Potassium, Total	3.1		mg/L	0.56	SW846 6010C	1	11/13/2025 14:24	MSY	K1
Sodium, Total	49.8		mg/L	0.56	SW846 6010C	1	11/13/2025 14:24	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	11/17/2025 06:21	PDK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:21	PDK	H

Results

Client Sample ID	FFMP005W	Collected	11/06/2025 09:57
Lab Sample ID	3442142001	Lab Receipt	11/06/2025 16:40

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	106%	62 – 133	11/17/2025 06:21	
4-Bromofluorobenzene	460-00-4	98.1%	79 – 114	11/17/2025 06:21	
Dibromofluoromethane	1868-53-7	99.6%	78 – 116	11/17/2025 06:21	
Toluene-d8	2037-26-5	101%	76 – 127	11/17/2025 06:21	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	62		mg/L	5	SM2320B-2011	1	11/09/2025 10:05	MYM	B
Alkalinity, Total	62	1	mg/L	5	SM2320B-2011	1	11/09/2025 10:05	MYM	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/12/2025 12:28	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/11/2025 14:41	KMS	A
Chloride	167		mg/L	2.0	EPA 300.0	2	11/07/2025 09:54	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/07/2025 09:54	J1W	B
Nitrate-N	2.1		mg/L	1.0	EPA 300.0	2	11/07/2025 09:54	J1W	B
pH	7.63	2	pH_Units		S4500HB-11	1	11/09/2025 10:05	MYM	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 11:14	ZEB	G
Specific Conductance	844		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	71.0		mg/L	2.0	EPA 300.0	2	11/07/2025 09:54	J1W	B
Total Dissolved Solids	552		mg/L	25	SM2540C-15	1	11/11/2025 14:10	RAG	B
Total Organic Carbon (TOC)	1.3		mg/L	0.50	SW846 9060A	1	11/10/2025 22:17	PAG	E
Turbidity	2.5		NTU	0.30	SM2130B-2011	1	11/07/2025 08:13	NPF	B

Results

Client Sample ID	FFMP03AW	Collected	11/06/2025 13:10
Lab Sample ID	3442142002	Lab Receipt	11/06/2025 16:40

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	52.83		Feet		Field	1	11/06/2025 13:10	EMP	D
Dissolved Oxygen	7.84		mg/L	0.01	Field	1	11/06/2025 13:10	EMP	D
Elev Top MW Casing above MSL	590.90		Feet		Field	1	11/06/2025 13:10	EMP	D
Flow Rate	1.50		gal/min		Field	1	11/06/2025 13:10	EMP	D
Ground Water Elevation	538.07		ft/MSL		Field	1	11/06/2025 13:10	EMP	D
Oxidation-Reduction Potential	350		mV		Field	1	11/06/2025 13:10	EMP	D
pH, Field (SM4500B)	5.08		pH_Units		Field	1	11/06/2025 13:10	EMP	D
Sample Depth	130.00		Feet		Field	1	11/06/2025 13:10	EMP	D
Specific Conductance, Field	385		umhos/cm	1	Field	1	11/06/2025 13:10	EMP	D
Temperature	14.74		Deg. C		Field	1	11/06/2025 13:10	EMP	D
Total Well Depth	148.40		Feet		Field	1	11/06/2025 13:10	EMP	D
Turbidity, Field	ND	ND	NTU	1	Field	1	11/06/2025 13:10	EMP	D
Volume in Water Column	140.49		Gallons		Field	1	11/06/2025 13:10	EMP	D
Water Level After Purge	108.06		Feet		Field	1	11/06/2025 13:10	EMP	D
Well Volumes Purged	1.82		Vol		Field	1	11/06/2025 13:10	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	21.8		mg/L	0.11	SW846 6010C	1	11/13/2025 14:28	MSY	K1
Iron, Total	ND	ND	mg/L	0.066	SW846 6010C	1	11/13/2025 14:28	MSY	K1
Magnesium, Total	18.6		mg/L	0.11	SW846 6010C	1	11/13/2025 14:28	MSY	K1
Manganese, Total	0.29		mg/L	0.0055	SW846 6010C	1	11/13/2025 14:28	MSY	K1
Potassium, Total	1.6		mg/L	0.55	SW846 6010C	1	11/13/2025 14:28	MSY	K1
Sodium, Total	17.9		mg/L	0.55	SW846 6010C	1	11/13/2025 14:28	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	11/17/2025 06:42	PDK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 06:42	PDK	H

Results

Client Sample ID	FFMP03AW	Collected	11/06/2025 13:10
Lab Sample ID	3442142002	Lab Receipt	11/06/2025 16:40

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	103%	62 – 133	11/17/2025 06:42	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	11/17/2025 06:42	
Dibromofluoromethane	1868-53-7	97.4%	78 – 116	11/17/2025 06:42	
Toluene-d8	2037-26-5	97.9%	76 – 127	11/17/2025 06:42	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	11		mg/L	5	SM2320B-2011	1	11/09/2025 10:18	MYM	B
Alkalinity, Total	11	1	mg/L	5	SM2320B-2011	1	11/09/2025 10:18	MYM	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/12/2025 12:38	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/11/2025 14:41	KMS	A
Chloride	54.5		mg/L	2.0	EPA 300.0	2	11/07/2025 10:06	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/07/2025 10:06	J1W	B
Nitrate-N	20.4	E,3,4	mg/L	1.0	EPA 300.0	2	11/07/2025 10:06	J1W	B
pH	7.03	2	pH_Units		S4500HB-11	1	11/09/2025 10:18	MYM	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 11:17	ZEB	G
Specific Conductance	395		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	ND	ND	mg/L	2.0	EPA 300.0	2	11/07/2025 10:06	J1W	B
Total Dissolved Solids	282	5	mg/L	25	SM2540C-15	1	11/11/2025 14:10	RAG	B
Total Organic Carbon (TOC)	ND	ND	mg/L	0.50	SW846 9060A	1	11/10/2025 22:17	PAG	E
Turbidity	1.1		NTU	0.30	SM2130B-2011	1	11/07/2025 08:13	NPF	B

Results

Client Sample ID	FFMP015W	Collected	11/06/2025 14:24
Lab Sample ID	3442142003	Lab Receipt	11/06/2025 16:40

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	63.58		Feet		Field	1	11/06/2025 14:24	EMP	D
Dissolved Oxygen	8.06		mg/L	0.01	Field	1	11/06/2025 14:24	EMP	D
Elev Top MW Casing above MSL	576.40		Feet		Field	1	11/06/2025 14:24	EMP	D
Flow Rate	1.37		gal/min		Field	1	11/06/2025 14:24	EMP	D
Ground Water Elevation	512.82		ft/MSL		Field	1	11/06/2025 14:24	EMP	D
Oxidation-Reduction Potential	229		mV		Field	1	11/06/2025 14:24	EMP	D
pH, Field (SM4500B)	5.67		pH_Units		Field	1	11/06/2025 14:24	EMP	D
Sample Depth	135.00		Feet		Field	1	11/06/2025 14:24	EMP	D
Specific Conductance, Field	415		umhos/cm	1	Field	1	11/06/2025 14:24	EMP	D
Temperature	16.39		Deg. C		Field	1	11/06/2025 14:24	EMP	D
Total Well Depth	149.90		Feet		Field	1	11/06/2025 14:24	EMP	D
Turbidity, Field	48		NTU	1	Field	1	11/06/2025 14:24	EMP	D
Volume in Water Column	126.89		Gallons		Field	1	11/06/2025 14:24	EMP	D
Water Level After Purge	112.21		Feet		Field	1	11/06/2025 14:24	EMP	D
Well Volumes Purged	2.11		Vol		Field	1	11/06/2025 14:24	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	26.4		mg/L	0.11	SW846 6010C	1	11/13/2025 14:09	MSY	K1
Iron, Total	ND	ND	mg/L	0.067	SW846 6010C	1	11/13/2025 14:09	MSY	K1
Magnesium, Total	20.7		mg/L	0.11	SW846 6010C	1	11/13/2025 14:09	MSY	K1
Manganese, Total	0.0091		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:09	MSY	K1
Potassium, Total	2.1		mg/L	0.56	SW846 6010C	1	11/13/2025 14:09	MSY	K1
Sodium, Total	17.6		mg/L	0.56	SW846 6010C	1	11/13/2025 14:09	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	11/17/2025 07:02	PDK	H
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 07:02	PDK	H

Results

Client Sample ID	FFMP015W	Collected	11/06/2025 14:24
Lab Sample ID	3442142003	Lab Receipt	11/06/2025 16:40

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	105%	62 – 133	11/17/2025 07:02	
4-Bromofluorobenzene	460-00-4	96.2%	79 – 114	11/17/2025 07:02	
Dibromofluoromethane	1868-53-7	98.9%	78 – 116	11/17/2025 07:02	
Toluene-d8	2037-26-5	97.1%	76 – 127	11/17/2025 07:02	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	25		mg/L	5	SM2320B-2011	1	11/09/2025 10:32	MYM	B
Alkalinity, Total	25	1	mg/L	5	SM2320B-2011	1	11/09/2025 10:32	MYM	B
Ammonia-N, Low Level	ND	ND	mg/L	0.10	SM 4500-NH3G	1	11/12/2025 12:44	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/11/2025 14:41	KMS	A
Chloride	31.4		mg/L	2.0	EPA 300.0	2	11/07/2025 14:40	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/07/2025 14:40	J1W	B
Nitrate-N	25.3	E,3,4	mg/L	1.0	EPA 300.0	2	11/07/2025 14:40	J1W	B
pH	7.43	2	pH_Units		S4500HB-11	1	11/09/2025 10:32	MYM	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 11:20	ZEB	G
Specific Conductance	422		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	21.7		mg/L	2.0	EPA 300.0	2	11/07/2025 14:40	J1W	B
Total Dissolved Solids	286		mg/L	25	SM2540C-15	1	11/11/2025 14:10	RAG	B
Total Organic Carbon (TOC)	1.0		mg/L	0.50	SW846 9060A	1	11/10/2025 22:17	PAG	E
Turbidity	0.65		NTU	0.30	SM2130B-2011	1	11/07/2025 08:13	NPF	B

Results

Client Sample ID	FFMP039W	Collected	11/06/2025 15:33
Lab Sample ID	3442142004	Lab Receipt	11/06/2025 16:40

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	15.92		Feet		Field	1	11/06/2025 15:33	EMP	D
Dissolved Oxygen	ND	ND	mg/L	0.01	Field	1	11/06/2025 15:33	EMP	D
Elev Top MW Casing above MSL	455.65		Feet		Field	1	11/06/2025 15:33	EMP	D
Flow Rate	1.80		gal/min		Field	1	11/06/2025 15:33	EMP	D
Ground Water Elevation	439.73		ft/MSL		Field	1	11/06/2025 15:33	EMP	D
Oxidation-Reduction Potential	132		mV		Field	1	11/06/2025 15:33	EMP	D
pH, Field (SM4500B)	5.67		pH_Units		Field	1	11/06/2025 15:33	EMP	D
Sample Depth	118.00		Feet		Field	1	11/06/2025 15:33	EMP	D
Specific Conductance, Field	914		umhos/cm	1	Field	1	11/06/2025 15:33	EMP	D
Temperature	14.17		Deg. C		Field	1	11/06/2025 15:33	EMP	D
Total Well Depth	131.50		Feet		Field	1	11/06/2025 15:33	EMP	D
Turbidity, Field	9		NTU	1	Field	1	11/06/2025 15:33	EMP	D
Volume in Water Column	169.90		Gallons		Field	1	11/06/2025 15:33	EMP	D
Water Level After Purge	21.63		Feet		Field	1	11/06/2025 15:33	EMP	D
Well Volumes Purged	1.17		Vol		Field	1	11/06/2025 15:33	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	66.1		mg/L	0.11	SW846 6010C	1	11/13/2025 14:26	MSY	K1
Iron, Total	0.82		mg/L	0.067	SW846 6010C	1	11/13/2025 14:26	MSY	K1
Magnesium, Total	22.5		mg/L	0.11	SW846 6010C	1	11/13/2025 14:26	MSY	K1
Manganese, Total	0.67		mg/L	0.0056	SW846 6010C	1	11/13/2025 14:26	MSY	K1
Potassium, Total	6.2		mg/L	0.56	SW846 6010C	1	11/13/2025 14:26	MSY	K1
Sodium, Total	70.3		mg/L	0.56	SW846 6010C	1	11/13/2025 14:26	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
1,1-Dichloroethane	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
1,1-Dichloroethene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
1,2-Dibromoethane	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
1,2-Dichloroethane	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Benzene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
cis-1,2-Dichloroethene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Ethylbenzene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Methylene Chloride	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Tetrachloroethene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Toluene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Total Xylenes	ND	ND	ug/L	300	SW846 8260B	100	11/17/2025 07:23	PDK	H
trans-1,2-Dichloroethene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Trichloroethene	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H
Vinyl Chloride	ND	ND	ug/L	100	SW846 8260B	100	11/17/2025 07:23	PDK	H

Results

Client Sample ID	FFMP039W	Collected	11/06/2025 15:33
Lab Sample ID	3442142004	Lab Receipt	11/06/2025 16:40

VOLATILE ORGANICS (cont.)

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

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	104%	62 – 133	11/17/2025 07:23	
4-Bromofluorobenzene	460-00-4	97.3%	79 – 114	11/17/2025 07:23	
Dibromofluoromethane	1868-53-7	99.4%	78 – 116	11/17/2025 07:23	
Toluene-d8	2037-26-5	96.9%	76 – 127	11/17/2025 07:23	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	43		mg/L	5	SM2320B-2011	1	11/09/2025 10:44	MYM	B
Alkalinity, Total	43	1	mg/L	5	SM2320B-2011	1	11/09/2025 10:44	MYM	B
Ammonia-N, Low Level	0.34		mg/L	0.10	SM 4500-NH3G	1	11/12/2025 12:48	AYS	A
Chemical Oxygen Demand (COD)	ND	ND	mg/L	15	EPA 410.4	1	11/11/2025 14:41	KMS	A
Chloride	218		mg/L	5.0	EPA 300.0	5	11/11/2025 17:01	J1W	B
Fluoride	ND	ND	mg/L	0.20	EPA 300.0	2	11/07/2025 14:52	J1W	B
Nitrate-N	3.4		mg/L	1.0	EPA 300.0	2	11/07/2025 14:52	J1W	B
pH	7.58	2	pH_Units		S4500HB-11	1	11/09/2025 10:44	MYM	B
Phenolics	ND	ND	mg/L	0.004	SW846 9066	1	11/11/2025 11:24	ZEB	G
Specific Conductance	949		umhos/cm	5	SW846 9050A	1	11/18/2025 08:50	MYM	B
Sulfate	42.7		mg/L	2.0	EPA 300.0	2	11/07/2025 14:52	J1W	B
Total Dissolved Solids	594		mg/L	25	SM2540C-15	1	11/11/2025 14:10	RAG	B
Total Organic Carbon (TOC)	1.0		mg/L	0.50	SW846 9060A	1	11/10/2025 22:17	PAG	E
Turbidity	13		NTU	0.30	SM2130B-2011	1	11/07/2025 08:13	NPF	B

Results

Client Sample ID	TRIP BLANK	Collected	11/06/2025 00:00
Lab Sample ID	3442142005	Lab Receipt	11/06/2025 16:40

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	11/17/2025 01:35	PDK	A
1,1-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
1,1-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
1,2-Dibromoethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
1,2-Dichloroethane	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Benzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
cis-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Ethylbenzene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Methylene Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Tetrachloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Toluene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Total Xylenes	ND	ND	ug/L	3.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
trans-1,2-Dichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Trichloroethene	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A
Vinyl Chloride	ND	ND	ug/L	1.0	SW846 8260B	1	11/17/2025 01:35	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	91.9%	62 – 133	11/17/2025 01:35	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	11/17/2025 01:35	
Dibromofluoromethane	1868-53-7	98.7%	78 – 116	11/17/2025 01:35	
Toluene-d8	2037-26-5	98.3%	76 – 127	11/17/2025 01:35	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3442142001	FFMP005W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3442142002	FFMP03AW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3442142003	FFMP015W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3442142004	FFMP039W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3442142005	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
3442142001	FFMP005W	N/A	N/A	N/A		Field	1486113
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1486577
		N/A	N/A	N/A		EPA 300.0	1484222
		N/A	N/A	N/A		EPA 410.4	1485477
		N/A	N/A	N/A		S4500HB-11	1484657
		N/A	N/A	N/A		SM 4500-NH3G	1485490
		N/A	N/A	N/A		SM2130B-2011	1484223
		N/A	N/A	N/A		SM2320B-2011	1484657
		N/A	N/A	N/A		SM2540C-15	1485419
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1485384
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3442142002	FFMP03AW	N/A	N/A	N/A		Field	1486113
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1486577
		N/A	N/A	N/A		EPA 300.0	1484222
		N/A	N/A	N/A		EPA 410.4	1485477
		N/A	N/A	N/A		S4500HB-11	1484657
		N/A	N/A	N/A		SM 4500-NH3G	1485490
		N/A	N/A	N/A		SM2130B-2011	1484223
		N/A	N/A	N/A		SM2320B-2011	1484657
		N/A	N/A	N/A		SM2540C-15	1485419
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1485384
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3442142003	FFMP015W	N/A	N/A	N/A		Field	1486113
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1486577
		N/A	N/A	N/A		EPA 300.0	1484222
		N/A	N/A	N/A		EPA 410.4	1485477
		N/A	N/A	N/A		S4500HB-11	1484657
		N/A	N/A	N/A		SM 4500-NH3G	1485490
		N/A	N/A	N/A		SM2130B-2011	1484223
		N/A	N/A	N/A		SM2320B-2011	1484657
		N/A	N/A	N/A		SM2540C-15	1485419
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1485384
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3442142004	FFMP039W	N/A	N/A	N/A		Field	1486115
		SW846 3015A	1485845	11/13/2025 09:54	RMH	SW846 6010C	1486104
		N/A	N/A	N/A		SW846 8260B	1486577
		N/A	N/A	N/A		EPA 300.0	1484222
		N/A	N/A	N/A		EPA 300.0	1485462
		N/A	N/A	N/A		EPA 410.4	1485477
		N/A	N/A	N/A		S4500HB-11	1484657
		N/A	N/A	N/A		SM 4500-NH3G	1485490
		N/A	N/A	N/A		SM2130B-2011	1484223
		N/A	N/A	N/A		SM2320B-2011	1484657
		N/A	N/A	N/A		SM2540C-15	1485419
		N/A	N/A	N/A		SW846 9050A	1485479
		N/A	N/A	N/A		SW846 9060A	1485384
		SW846 9066	1484086	11/07/2025 13:38	ZEB	SW846 9066	1484318
3442142005	TRIP BLANK	N/A	N/A	N/A		SW846 8260B	1486577

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.

3442142
Logged By: DXB
PM: SJB

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. Approved?

Date Required:
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	FFMP05W	11-6-25	0957		G	GW	2	1	3	1	1	x	x	1	2	
2	FFMP03AW	11-6-25	1310													
3	FFMP015W	11-6-25	1424													
4	FFMP039W	11-6-25	1533													
5	Trip Blank	11/6/25	—													
	HCH	11/6/25													HCH 11/6/25	

Sample Collector: ALS Tech / Client
ID:

Comments:

	Time		Relinquished By / Company Name		Received By / Company Name
2	1640	1	ALS EP	2	Tahaya ALS
		3		4	
		5		6	
		7		8	
		9		10	

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste;

ALS SHIPPING ADDRESS: 301 Fulling Mill Road, Suite A

Temp Taken By:
Therm ID: 049
Receipt Info completed by:
WO Temp (°C) 3

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	
NJ ≤ 4 days? Y N			

Courier/Tracking #

WV Containers 0-6°C Y N NA

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 #
PWS Contact: PWS Phone #:

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

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

Sample/COC Remarks

Sampling Hours

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

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

State Samples Collected In
- [ ] NY
- [ ] NJ

Middletown Sample Condition Form

Client LCSWMA

Temp °C 3 Therm ID 649 Ice? (Y) N N/A Workorder 3442142

Fedex UPS Client (ALS) Other Tracking # Initials & Date HCh 11/

	Yes	No[1]	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present *If not present, must contact PM/client to request name.*	✓			
COC/bottle labels complete & in agreement				
•Sample location		✓		
•Date and time of sample collection		✓		
•Type(s) of preservation	✓	✓		UC
•Number of containers	✓	✓		UC
•Composite or grab				
•Matrix				UC
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) —

Review Comments:

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

11/20/2025 11:17 AM

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

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

Analytical Results Report For

Lancaster County Solid Waste Authority

Project 4TH QTR 2025 GWMP-FORM 19Q
Workorder 3443980
Report ID 481847 on 12/15/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Nov 21, 2025.

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 Susan Scherer (Project Coordinator) at (717) 944-5541.

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

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

Recipient(s):
Jordan Bigler - Lancaster County Solid Waste Authority
Ashley Gichuki - Lancaster County Solid Waste Authority
Daniel Brown - Lancaster County Solid Waste Authority
Jeff Musser - Lancaster County Solid Waste Authority

Susan Scherer

Susan Scherer *(ALS Digital Signature)*
Project Coordinator

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

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3443980001	FFMP035W	Ground Water	11/21/2025 09:48	11/21/2025 14:45	EMP	ALS Environmental-Middletown
3443980002	FFMP036W	Ground Water	11/21/2025 10:29	11/21/2025 14:45	EMP	ALS Environmental-Middletown
3443980003	FFMP038W	Ground Water	11/21/2025 11:37	11/21/2025 14:45	EMP	ALS Environmental-Middletown
3443980004	FFMP26RW	Ground Water	11/21/2025 12:07	11/21/2025 14:45	EMP	ALS Environmental-Middletown
3443980005	FFMP04AW	Ground Water	11/21/2025 13:28	11/21/2025 14:45	EMP	ALS Environmental-Middletown
3443980006	FFMP30RW	Ground Water	11/21/2025 13:20	11/21/2025 14:45	EMP	ALS Environmental-Middletown
3443980007	TRIP BLANK	Water	11/21/2025 00:00	11/21/2025 14:45	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		
3443980001	FFMP035W	**S1**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.
3443980002	FFMP036W	**S2**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.
3443980003	FFMP038W	**S3**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.
3443980004	FFMP26RW	**S4**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.
3443980005	FFMP04AW	**S5**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.
3443980006	FFMP30RW	**S6**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.
3443980007	TRIP BLANK	**S7**	The 8260 GCMS volatile organics analysis was completed past the 14 day sample holding time.

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 -46.4 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 -42.1 and the control limits were 80 to 120.
5	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Fluoride. The % Recovery was reported as 9.9 and the control limits were 80 to 120.
6	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Fluoride. The % Recovery was reported as 10.1 and the control limits were 80 to 120.
7	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 -3.1 and the control limits were 80 to 120.
8	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Nitrate-N. The % Recovery was reported as -2.2 and the control limits were 80 to 120.
9	The QC sample type MS for method EPA 300.0 was outside the control limits for the analyte Sulfate. The % Recovery was reported as -24.8 and the control limits were 80 to 120.
10	The QC sample type MSD for method EPA 300.0 was outside the control limits for the analyte Sulfate. The % Recovery was reported as -20.8 and the control limits were 80 to 120.

Detected Results Summary

Client Sample ID	FFMP035W	Collected	11/21/2025 09:48
Lab Sample ID	3443980001	Lab Receipt	11/21/2025 14:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	42.66	Feet		Field	#
Dissolved Oxygen	0.20	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	434.90	ft/MSL		Field	#
Oxidation-Reduction Potential	205	mV		Field	#
pH, Field (SM4500B)	6.66	pH_Units		Field	#
Sample Depth	65.00	Feet		Field	#
Specific Conductance, Field	808	umhos/cm	1	Field	#
Temperature	12.96	Deg. C		Field	#
Total Well Depth	71.80	Feet		Field	#
Turbidity, Field	98	NTU	1	Field	#
Volume in Water Column	0.00	Gallons		Field	#
Water Level After Purge	46.49	Feet		Field	#
METALS					
Calcium, Total	95.0	mg/L	0.11	SW846 6010C	#
Magnesium, Total	15.7	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.045	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.5	mg/L	0.56	SW846 6010C	#
Sodium, Total	45.2	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	134	mg/L	5	SM2320B-2011	#
Alkalinity, Total	134	mg/L	5	SM2320B-2011	#
Ammonia-N, Low Level	0.21	mg/L	0.10	SM 4500-NH3G	#
Chloride	133	mg/L	2.0	EPA 300.0	#
Nitrate-N	5.2	mg/L	1.0	EPA 300.0	#
pH	8.15	pH_Units		S4500HB-11	#
Specific Conductance	830	umhos/cm	5	SW846 9050A	#
Sulfate	47.4	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	486	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.92	mg/L	0.50	SW846 9060A	#
Turbidity	1.5	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP036W	Collected	11/21/2025 10:29
Lab Sample ID	3443980002	Lab Receipt	11/21/2025 14:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	78.08	Feet		Field	#
Dissolved Oxygen	0.34	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	400.15	ft/MSL		Field	#
Oxidation-Reduction Potential	-178	mV		Field	#
pH, Field (SM4500B)	8.14	pH_Units		Field	#
Sample Depth	135.00	Feet		Field	#
Specific Conductance, Field	371	umhos/cm	1	Field	#
Temperature	12.84	Deg. C		Field	#
Total Well Depth	142.60	Feet		Field	#
Turbidity, Field	95	NTU	1	Field	#
Volume in Water Column	0.00	Gallons		Field	#
Water Level After Purge	81.34	Feet		Field	#
METALS					
Calcium, Total	51.3	mg/L	0.11	SW846 6010C	#
Iron, Total	1.0	mg/L	0.067	SW846 6010C	#
Magnesium, Total	5.3	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.11	mg/L	0.0056	SW846 6010C	#
Potassium, Total	0.63	mg/L	0.56	SW846 6010C	#
Sodium, Total	17.3	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	98	mg/L	5	SM2320B-2011	#
Alkalinity, Total	101	mg/L	5	SM2320B-2011	#
Chloride	35.3	mg/L	2.0	EPA 300.0	#
pH	8.29	pH_Units		S4500HB-11	#
Specific Conductance	375	umhos/cm	5	SW846 9050A	#
Sulfate	31.8	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	226	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.52	mg/L	0.50	SW846 9060A	#
Turbidity	11	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP038W	Collected	11/21/2025 11:37
Lab Sample ID	3443980003	Lab Receipt	11/21/2025 14:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	21.98	Feet		Field	#
Dissolved Oxygen	0.04	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	432.07	ft/MSL		Field	#
Oxidation-Reduction Potential	-303	mV		Field	#
pH, Field (SM4500B)	8.30	pH_Units		Field	#
Sample Depth	46.00	Feet		Field	#
Specific Conductance, Field	237	umhos/cm	1	Field	#
Temperature	14.33	Deg. C		Field	#
Total Well Depth	52.00	Feet		Field	#
Turbidity, Field	3	NTU	1	Field	#
Volume in Water Column	0.00	Gallons		Field	#
Water Level After Purge	25.86	Feet		Field	#
METALS					
Calcium, Total	20.5	mg/L	0.11	SW846 6010C	#
Iron, Total	1.3	mg/L	0.067	SW846 6010C	#
Magnesium, Total	2.8	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.17	mg/L	0.0056	SW846 6010C	#
Potassium, Total	1.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	18.5	mg/L	0.56	SW846 6010C	#
VOLATILE ORGANICS					
Toluene	7.9	ug/L	1.0	SW846 8260B	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	11	mg/L	5	SM2320B-2011	#
Alkalinity, Total	11	mg/L	5	SM2320B-2011	#
Chloride	61.2	mg/L	2.0	EPA 300.0	#
pH	7.33	pH_Units		S4500HB-11	#
Specific Conductance	240	umhos/cm	5	SW846 9050A	#
Total Dissolved Solids	135	mg/L	25	SM2540C-15	#
Turbidity	7.9	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP26RW	Collected	11/21/2025 12:07
Lab Sample ID	3443980004	Lab Receipt	11/21/2025 14:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	86.32	Feet		Field	#
Dissolved Oxygen	1.04	mg/L	0.01	Field	#
Elev Top MW Casing above MSL	547.40	Feet		Field	#
Flow Rate	0.07	gal/min		Field	#
Ground Water Elevation	461.08	ft/MSL		Field	#
Oxidation-Reduction Potential	236	mV		Field	#
pH, Field (SM4500B)	5.64	pH_Units		Field	#
Sample Depth	105.00	Feet		Field	#
Specific Conductance, Field	847	umhos/cm	1	Field	#
Temperature	13.52	Deg. C		Field	#
Total Well Depth	118.30	Feet		Field	#
Turbidity, Field	73	NTU	1	Field	#
Volume in Water Column	0.00	Gallons		Field	#
Water Level After Purge	86.94	Feet		Field	#
METALS					
Calcium, Total	68.9	mg/L	0.11	SW846 6010C	#
Magnesium, Total	18.8	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.50	mg/L	0.0055	SW846 6010C	#
Potassium, Total	6.2	mg/L	0.55	SW846 6010C	#
Sodium, Total	60.2	mg/L	0.55	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	67	mg/L	5	SM2320B-2011	#
Alkalinity, Total	67	mg/L	5	SM2320B-2011	#
Chloride	160	mg/L	2.0	EPA 300.0	#
Nitrate-N	2.0	mg/L	1.0	EPA 300.0	#
pH	7.84	pH_Units		S4500HB-11	#
Specific Conductance	862	umhos/cm	5	SW846 9050A	#
Sulfate	93.6	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	482	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	1.7	mg/L	0.50	SW846 9060A	#
Turbidity	3.6	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP04AW	Collected	11/21/2025 13:28
Lab Sample ID	3443980005	Lab Receipt	11/21/2025 14:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	38.89	Feet		Field	#
Dissolved Oxygen	0.70	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	521.83	ft/MSL		Field	#
Oxidation-Reduction Potential	158	mV		Field	#
pH, Field (SM4500B)	7.04	pH_Units		Field	#
Sample Depth	146.00	Feet		Field	#
Specific Conductance, Field	1471	umhos/cm	1	Field	#
Temperature	13.09	Deg. C		Field	#
Total Well Depth	148.50	Feet		Field	#
Turbidity, Field	17	NTU	1	Field	#
Volume in Water Column	0.00	Gallons		Field	#
Water Level After Purge	43.79	Feet		Field	#
METALS					
Calcium, Total	158	mg/L	0.11	SW846 6010C	#
Iron, Total	0.069	mg/L	0.067	SW846 6010C	#
Magnesium, Total	27.4	mg/L	0.11	SW846 6010C	#
Manganese, Total	0.39	mg/L	0.0056	SW846 6010C	#
Potassium, Total	2.8	mg/L	0.56	SW846 6010C	#
Sodium, Total	94.4	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	187	mg/L	5	SM2320B-2011	#
Alkalinity, Total	187	mg/L	5	SM2320B-2011	#
Chloride	34.3	mg/L	2.0	EPA 300.0	#
Nitrate-N	2.2	mg/L	1.0	EPA 300.0	#
pH	8.26	pH_Units		S4500HB-11	#
Specific Conductance	1500	umhos/cm	5	SW846 9050A	#
Sulfate	39.8	mg/L	2.0	EPA 300.0	#
Total Dissolved Solids	866	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.84	mg/L	0.50	SW846 9060A	#
Turbidity	3.3	NTU	0.30	SM2130B-2011	#

Detected Results Summary

Client Sample ID	FFMP30RW	Collected	11/21/2025 13:20
Lab Sample ID	3443980006	Lab Receipt	11/21/2025 14:45

Compound	Result	Units	RDL	Method	Flag
FIELD PARAMETERS					
Depth to Water Level	36.93	Feet		Field	#
Dissolved Oxygen	5.93	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	525.37	ft/MSL		Field	#
Oxidation-Reduction Potential	254	mV		Field	#
pH, Field (SM4500B)	5.58	pH_Units		Field	#
Sample Depth	85.00	Feet		Field	#
Specific Conductance, Field	1181	umhos/cm	1	Field	#
Temperature	13.18	Deg. C		Field	#
Total Well Depth	94.20	Feet		Field	#
Turbidity, Field	208	NTU	1	Field	#
Volume in Water Column	0.00	Gallons		Field	#
Water Level After Purge	37.34	Feet		Field	#
METALS					
Calcium, Total	51.8	mg/L	0.11	SW846 6010C	#
Magnesium, Total	19.4	mg/L	0.11	SW846 6010C	#
Manganese, Total	3.5	mg/L	0.0056	SW846 6010C	#
Potassium, Total	8.6	mg/L	0.56	SW846 6010C	#
Sodium, Total	143	mg/L	0.56	SW846 6010C	#
WET CHEMISTRY					
Alkalinity, Bicarbonate	41	mg/L	5	SM2320B-2011	#
Alkalinity, Total	41	mg/L	5	SM2320B-2011	#
Chloride	301	mg/L	5.0	EPA 300.0	#
Nitrate-N	6.0	mg/L	2.5	EPA 300.0	#
pH	7.72	pH_Units		S4500HB-11	#
Specific Conductance	1220	umhos/cm	5	SW846 9050A	#
Sulfate	47.2	mg/L	5.0	EPA 300.0	#
Total Dissolved Solids	650	mg/L	25	SM2540C-15	#
Total Organic Carbon (TOC)	0.98	mg/L	0.50	SW846 9060A	#
Turbidity	2.1	NTU	0.30	SM2130B-2011	#

Results

Client Sample ID	FFMP035W	Collected	11/21/2025 09:48
Lab Sample ID	3443980001	Lab Receipt	11/21/2025 14:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	42.66	S1	Feet		Field	1	11/21/2025 09:48	EMP	D
Dissolved Oxygen	0.20	S1	mg/L	0.01	Field	1	11/21/2025 09:48	EMP	D
Elev Top MW Casing above MSL	477.56	S1	Feet		Field	1	11/21/2025 09:48	EMP	D
Flow Rate	0.07	S1	gal/min		Field	1	11/21/2025 09:48	EMP	D
Ground Water Elevation	434.90	S1	ft/MSL		Field	1	11/21/2025 09:48	EMP	D
Oxidation-Reduction Potential	205	S1	mV		Field	1	11/21/2025 09:48	EMP	D
pH, Field (SM4500B)	6.66	S1	pH_Units		Field	1	11/21/2025 09:48	EMP	D
Sample Depth	65.00	S1	Feet		Field	1	11/21/2025 09:48	EMP	D
Specific Conductance, Field	808	S1	umhos/cm	1	Field	1	11/21/2025 09:48	EMP	D
Temperature	12.96	S1	Deg. C		Field	1	11/21/2025 09:48	EMP	D
Total Well Depth	71.80	S1	Feet		Field	1	11/21/2025 09:48	EMP	D
Turbidity, Field	98	S1	NTU	1	Field	1	11/21/2025 09:48	EMP	D
Volume in Water Column	0.00	S1	Gallons		Field	1	11/21/2025 09:48	EMP	D
Water Level After Purge	46.49	S1	Feet		Field	1	11/21/2025 09:48	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	95.0	S1	mg/L	0.11	SW846 6010C	1	12/02/2025 11:13	MSY	K1
Iron, Total	ND	ND,S1	mg/L	0.067	SW846 6010C	1	12/02/2025 11:13	MSY	K1
Magnesium, Total	15.7	S1	mg/L	0.11	SW846 6010C	1	12/02/2025 11:13	MSY	K1
Manganese, Total	0.045	S1	mg/L	0.0056	SW846 6010C	1	12/02/2025 11:13	MSY	K1
Potassium, Total	2.5	S1	mg/L	0.56	SW846 6010C	1	12/02/2025 11:13	MSY	K1
Sodium, Total	45.2	S1	mg/L	0.56	SW846 6010C	1	12/02/2025 12:31	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
1,1-Dichloroethane	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
1,1-Dichloroethene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
1,2-Dibromoethane	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
1,2-Dichloroethane	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Benzene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
cis-1,2-Dichloroethene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Ethylbenzene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Methylene Chloride	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Tetrachloroethene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Toluene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Total Xylenes	ND	ND,S1	ug/L	3.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
trans-1,2-Dichloroethene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Trichloroethene	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H
Vinyl Chloride	ND	ND,S1	ug/L	1.0	SW846 8260B	1	12/06/2025 01:12	PDK	H

Results

Client Sample ID	FFMP035W	Collected	11/21/2025 09:48
Lab Sample ID	3443980001	Lab Receipt	11/21/2025 14:45

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	12/06/2025 01:12	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	12/06/2025 01:12	
Dibromofluoromethane	1868-53-7	103%	78 – 116	12/06/2025 01:12	
Toluene-d8	2037-26-5	107%	76 – 127	12/06/2025 01:12	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	134	S1	mg/L	5	SM2320B-2011	1	11/29/2025 23:23	JXK	B
Alkalinity, Total	134	1,S1	mg/L	5	SM2320B-2011	1	11/29/2025 23:23	JXK	B
Ammonia-N, Low Level	0.21	S1	mg/L	0.10	SM 4500-NH3G	1	11/26/2025 09:41	AYS	A
Chemical Oxygen Demand (COD)	ND	ND,S1	mg/L	15	EPA 410.4	1	11/25/2025 12:00	KMS	A
Chloride	133	S1	mg/L	2.0	EPA 300.0	2	11/22/2025 14:12	CRM	B
Fluoride	ND	ND,S1	mg/L	0.20	EPA 300.0	2	11/22/2025 14:12	CRM	B
Nitrate-N	5.2	S1	mg/L	1.0	EPA 300.0	2	11/22/2025 14:12	CRM	B
pH	8.15	2,S1	pH_Units		S4500HB-11	1	11/29/2025 23:23	JXK	B
Phenolics	ND	ND,S1	mg/L	0.004	SW846 9066	1	12/08/2025 13:19	ZEB	G
Specific Conductance	830	S1	umhos/cm	5	SW846 9050A	1	12/03/2025 12:30	A1L	B
Sulfate	47.4	S1	mg/L	2.0	EPA 300.0	2	11/22/2025 14:12	CRM	B
Total Dissolved Solids	486	S1	mg/L	25	SM2540C-15	1	11/25/2025 18:05	RAG	B
Total Organic Carbon (TOC)	0.92	S1	mg/L	0.50	SW846 9060A	1	11/25/2025 02:17	PAG	E
Turbidity	1.5	S1	NTU	0.30	SM2130B-2011	1	11/22/2025 13:42	NPF	B

Results

Client Sample ID	FFMP036W	Collected	11/21/2025 10:29
Lab Sample ID	3443980002	Lab Receipt	11/21/2025 14:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	78.08	S2	Feet		Field	1	11/21/2025 10:29	EMP	D
Dissolved Oxygen	0.34	S2	mg/L	0.01	Field	1	11/21/2025 10:29	EMP	D
Elev Top MW Casing above MSL	478.23	S2	Feet		Field	1	11/21/2025 10:29	EMP	D
Flow Rate	0.07	S2	gal/min		Field	1	11/21/2025 10:29	EMP	D
Ground Water Elevation	400.15	S2	ft/MSL		Field	1	11/21/2025 10:29	EMP	D
Oxidation-Reduction Potential	-178	S2	mV		Field	1	11/21/2025 10:29	EMP	D
pH, Field (SM4500B)	8.14	S2	pH_Units		Field	1	11/21/2025 10:29	EMP	D
Sample Depth	135.00	S2	Feet		Field	1	11/21/2025 10:29	EMP	D
Specific Conductance, Field	371	S2	umhos/cm	1	Field	1	11/21/2025 10:29	EMP	D
Temperature	12.84	S2	Deg. C		Field	1	11/21/2025 10:29	EMP	D
Total Well Depth	142.60	S2	Feet		Field	1	11/21/2025 10:29	EMP	D
Turbidity, Field	95	S2	NTU	1	Field	1	11/21/2025 10:29	EMP	D
Volume in Water Column	0.00	S2	Gallons		Field	1	11/21/2025 10:29	EMP	D
Water Level After Purge	81.34	S2	Feet		Field	1	11/21/2025 10:29	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	51.3	S2	mg/L	0.11	SW846 6010C	1	12/02/2025 11:15	MSY	K1
Iron, Total	1.0	S2	mg/L	0.067	SW846 6010C	1	12/02/2025 11:15	MSY	K1
Magnesium, Total	5.3	S2	mg/L	0.11	SW846 6010C	1	12/02/2025 11:15	MSY	K1
Manganese, Total	0.11	S2	mg/L	0.0056	SW846 6010C	1	12/02/2025 11:15	MSY	K1
Potassium, Total	0.63	S2	mg/L	0.56	SW846 6010C	1	12/02/2025 11:15	MSY	K1
Sodium, Total	17.3	S2	mg/L	0.56	SW846 6010C	1	12/02/2025 12:33	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
1,1-Dichloroethane	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
1,1-Dichloroethene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
1,2-Dibromoethane	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
1,2-Dichloroethane	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Benzene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
cis-1,2-Dichloroethene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Ethylbenzene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Methylene Chloride	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Tetrachloroethene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Toluene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Total Xylenes	ND	ND,S2	ug/L	3.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
trans-1,2-Dichloroethene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Trichloroethene	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H
Vinyl Chloride	ND	ND,S2	ug/L	1.0	SW846 8260B	1	12/06/2025 01:35	PDK	H

Results

Client Sample ID	FFMP036W	Collected	11/21/2025 10:29
Lab Sample ID	3443980002	Lab Receipt	11/21/2025 14:45

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	105%	62 – 133	12/06/2025 01:35	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	12/06/2025 01:35	
Dibromofluoromethane	1868-53-7	99.5%	78 – 116	12/06/2025 01:35	
Toluene-d8	2037-26-5	102%	76 – 127	12/06/2025 01:35	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	98	S2	mg/L	5	SM2320B-2011	1	11/29/2025 23:37	JXK	B
Alkalinity, Total	101	1,S2	mg/L	5	SM2320B-2011	1	11/29/2025 23:37	JXK	B
Ammonia-N, Low Level	ND	ND,S2	mg/L	0.10	SM 4500-NH3G	1	11/26/2025 09:08	AYS	A
Chemical Oxygen Demand (COD)	ND	ND,S2	mg/L	15	EPA 410.4	1	11/25/2025 12:00	KMS	A
Chloride	35.3	S2	mg/L	2.0	EPA 300.0	2	11/22/2025 14:25	CRM	B
Fluoride	ND	ND,S2	mg/L	0.20	EPA 300.0	2	11/22/2025 14:25	CRM	B
Nitrate-N	ND	ND,S2	mg/L	1.0	EPA 300.0	2	11/22/2025 14:25	CRM	B
pH	8.29	2,S2	pH_Units		S4500HB-11	1	11/29/2025 23:37	JXK	B
Phenolics	ND	ND,S2	mg/L	0.004	SW846 9066	1	12/08/2025 13:17	ZEB	G
Specific Conductance	375	S2	umhos/cm	5	SW846 9050A	1	12/03/2025 12:30	A1L	B
Sulfate	31.8	S2	mg/L	2.0	EPA 300.0	2	11/22/2025 14:25	CRM	B
Total Dissolved Solids	226	S2	mg/L	25	SM2540C-15	1	11/25/2025 18:05	RAG	B
Total Organic Carbon (TOC)	0.52	S2	mg/L	0.50	SW846 9060A	1	11/25/2025 02:17	PAG	E
Turbidity	11	S2	NTU	0.30	SM2130B-2011	1	11/22/2025 13:42	NPF	B

Results

Client Sample ID	FFMP038W	Collected	11/21/2025 11:37
Lab Sample ID	3443980003	Lab Receipt	11/21/2025 14:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	21.98	S3	Feet		Field	1	11/21/2025 11:37	EMP	D
Dissolved Oxygen	0.04	S3	mg/L	0.01	Field	1	11/21/2025 11:37	EMP	D
Elev Top MW Casing above MSL	454.05	S3	Feet		Field	1	11/21/2025 11:37	EMP	D
Flow Rate	0.07	S3	gal/min		Field	1	11/21/2025 11:37	EMP	D
Ground Water Elevation	432.07	S3	ft/MSL		Field	1	11/21/2025 11:37	EMP	D
Oxidation-Reduction Potential	-303	S3	mV		Field	1	11/21/2025 11:37	EMP	D
pH, Field (SM4500B)	8.30	S3	pH_Units		Field	1	11/21/2025 11:37	EMP	D
Sample Depth	46.00	S3	Feet		Field	1	11/21/2025 11:37	EMP	D
Specific Conductance, Field	237	S3	umhos/cm	1	Field	1	11/21/2025 11:37	EMP	D
Temperature	14.33	S3	Deg. C		Field	1	11/21/2025 11:37	EMP	D
Total Well Depth	52.00	S3	Feet		Field	1	11/21/2025 11:37	EMP	D
Turbidity, Field	3	S3	NTU	1	Field	1	11/21/2025 11:37	EMP	D
Volume in Water Column	0.00	S3	Gallons		Field	1	11/21/2025 11:37	EMP	D
Water Level After Purge	25.86	S3	Feet		Field	1	11/21/2025 11:37	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	20.5	S3	mg/L	0.11	SW846 6010C	1	12/02/2025 11:17	MSY	K1
Iron, Total	1.3	S3	mg/L	0.067	SW846 6010C	1	12/02/2025 11:17	MSY	K1
Magnesium, Total	2.8	S3	mg/L	0.11	SW846 6010C	1	12/02/2025 11:17	MSY	K1
Manganese, Total	0.17	S3	mg/L	0.0056	SW846 6010C	1	12/02/2025 11:17	MSY	K1
Potassium, Total	1.6	S3	mg/L	0.56	SW846 6010C	1	12/02/2025 11:17	MSY	K1
Sodium, Total	18.5	S3	mg/L	0.56	SW846 6010C	1	12/02/2025 12:35	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
1,1-Dichloroethane	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
1,1-Dichloroethene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
1,2-Dibromoethane	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
1,2-Dichloroethane	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Benzene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
cis-1,2-Dichloroethene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Ethylbenzene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Methylene Chloride	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Tetrachloroethene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Toluene	7.9	S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Total Xylenes	ND	ND,S3	ug/L	3.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
trans-1,2-Dichloroethene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Trichloroethene	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H
Vinyl Chloride	ND	ND,S3	ug/L	1.0	SW846 8260B	1	12/06/2025 01:58	PDK	H

Results

Client Sample ID	FFMP038W	Collected	11/21/2025 11:37
Lab Sample ID	3443980003	Lab Receipt	11/21/2025 14:45

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	105%	62 – 133	12/06/2025 01:58	
4-Bromofluorobenzene	460-00-4	99%	79 – 114	12/06/2025 01:58	
Dibromofluoromethane	1868-53-7	100%	78 – 116	12/06/2025 01:58	
Toluene-d8	2037-26-5	106%	76 – 127	12/06/2025 01:58	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	11	S3	mg/L	5	SM2320B-2011	1	11/29/2025 23:48	JXK	B
Alkalinity, Total	11	1,S3	mg/L	5	SM2320B-2011	1	11/29/2025 23:48	JXK	B
Ammonia-N, Low Level	ND	ND,S3	mg/L	0.10	SM 4500-NH3G	1	11/26/2025 09:05	AYS	A
Chemical Oxygen Demand (COD)	ND	ND,S3	mg/L	15	EPA 410.4	1	11/25/2025 12:00	KMS	A
Chloride	61.2	S3	mg/L	2.0	EPA 300.0	2	11/22/2025 14:37	CRM	B
Fluoride	ND	ND,S3	mg/L	0.20	EPA 300.0	2	11/22/2025 14:37	CRM	B
Nitrate-N	ND	ND,S3	mg/L	1.0	EPA 300.0	2	11/22/2025 14:37	CRM	B
pH	7.33	2,S3	pH_Units		S4500HB-11	1	11/29/2025 23:48	JXK	B
Phenolics	ND	ND,S3	mg/L	0.004	SW846 9066	1	12/08/2025 12:39	ZEB	G
Specific Conductance	240	S3	umhos/cm	5	SW846 9050A	1	12/03/2025 12:30	A1L	B
Sulfate	ND	ND,S3	mg/L	2.0	EPA 300.0	2	11/22/2025 14:37	CRM	B
Total Dissolved Solids	135	S3	mg/L	25	SM2540C-15	1	11/25/2025 18:05	RAG	B
Total Organic Carbon (TOC)	ND	ND,S3	mg/L	0.50	SW846 9060A	1	11/25/2025 02:17	PAG	E
Turbidity	7.9	S3	NTU	0.30	SM2130B-2011	1	11/22/2025 13:42	NPF	B

Results

Client Sample ID	FFMP26RW	Collected	11/21/2025 12:07
Lab Sample ID	3443980004	Lab Receipt	11/21/2025 14:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	86.32	S4	Feet		Field	1	11/21/2025 12:07	EMP	D
Dissolved Oxygen	1.04	S4	mg/L	0.01	Field	1	11/21/2025 12:07	EMP	D
Elev Top MW Casing above MSL	547.40	S4	Feet		Field	1	11/21/2025 12:07	EMP	D
Flow Rate	0.07	S4	gal/min		Field	1	11/21/2025 12:07	EMP	D
Ground Water Elevation	461.08	S4	ft/MSL		Field	1	11/21/2025 12:07	EMP	D
Oxidation-Reduction Potential	236	S4	mV		Field	1	11/21/2025 12:07	EMP	D
pH, Field (SM4500B)	5.64	S4	pH_Units		Field	1	11/21/2025 12:07	EMP	D
Sample Depth	105.00	S4	Feet		Field	1	11/21/2025 12:07	EMP	D
Specific Conductance, Field	847	S4	umhos/cm	1	Field	1	11/21/2025 12:07	EMP	D
Temperature	13.52	S4	Deg. C		Field	1	11/21/2025 12:07	EMP	D
Total Well Depth	118.30	S4	Feet		Field	1	11/21/2025 12:07	EMP	D
Turbidity, Field	73	S4	NTU	1	Field	1	11/21/2025 12:07	EMP	D
Volume in Water Column	0.00	S4	Gallons		Field	1	11/21/2025 12:07	EMP	D
Water Level After Purge	86.94	S4	Feet		Field	1	11/21/2025 12:07	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	68.9	S4	mg/L	0.11	SW846 6010C	1	12/02/2025 11:20	MSY	K1
Iron, Total	ND	ND,S4	mg/L	0.066	SW846 6010C	1	12/02/2025 11:20	MSY	K1
Magnesium, Total	18.8	S4	mg/L	0.11	SW846 6010C	1	12/02/2025 11:20	MSY	K1
Manganese, Total	0.50	S4	mg/L	0.0055	SW846 6010C	1	12/02/2025 11:20	MSY	K1
Potassium, Total	6.2	S4	mg/L	0.55	SW846 6010C	1	12/02/2025 11:20	MSY	K1
Sodium, Total	60.2	S4	mg/L	0.55	SW846 6010C	1	12/02/2025 12:37	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
1,1-Dichloroethane	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
1,1-Dichloroethene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
1,2-Dibromoethane	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
1,2-Dichloroethane	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Benzene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
cis-1,2-Dichloroethene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Ethylbenzene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Methylene Chloride	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Tetrachloroethene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Toluene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Total Xylenes	ND	ND,S4	ug/L	3.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
trans-1,2-Dichloroethene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Trichloroethene	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H
Vinyl Chloride	ND	ND,S4	ug/L	1.0	SW846 8260B	1	12/06/2025 02:20	PDK	H

Results

Client Sample ID	FFMP26RW	Collected	11/21/2025 12:07
Lab Sample ID	3443980004	Lab Receipt	11/21/2025 14:45

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	105%	62 – 133	12/06/2025 02:20	
4-Bromofluorobenzene	460-00-4	104%	79 – 114	12/06/2025 02:20	
Dibromofluoromethane	1868-53-7	103%	78 – 116	12/06/2025 02:20	
Toluene-d8	2037-26-5	108%	76 – 127	12/06/2025 02:20	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	67	S4	mg/L	5	SM2320B-2011	1	11/30/2025 00:03	JXK	B
Alkalinity, Total	67	1,S4	mg/L	5	SM2320B-2011	1	11/30/2025 00:03	JXK	B
Ammonia-N, Low Level	ND	ND,S4	mg/L	0.10	SM 4500-NH3G	1	11/26/2025 09:37	AYS	A
Chemical Oxygen Demand (COD)	ND	ND,S4	mg/L	15	EPA 410.4	1	11/25/2025 12:00	KMS	A
Chloride	160	3,4,S4	mg/L	2.0	EPA 300.0	2	11/22/2025 14:49	CRM	B
Fluoride	ND	ND,5,6, S4	mg/L	0.20	EPA 300.0	2	11/22/2025 14:49	CRM	B
Nitrate-N	2.0	7,8,S4	mg/L	1.0	EPA 300.0	2	11/22/2025 14:49	CRM	B
pH	7.84	2,S4	pH_Units		S4500HB-11	1	11/30/2025 00:03	JXK	B
Phenolics	ND	ND,S4	mg/L	0.004	SW846 9066	1	12/08/2025 12:42	ZEB	G
Specific Conductance	862	S4	umhos/cm	5	SW846 9050A	1	12/03/2025 12:30	A1L	B
Sulfate	93.6	9,10,S4	mg/L	2.0	EPA 300.0	2	11/22/2025 14:49	CRM	B
Total Dissolved Solids	482	S4	mg/L	25	SM2540C-15	1	11/25/2025 18:05	RAG	B
Total Organic Carbon (TOC)	1.7	S4	mg/L	0.50	SW846 9060A	1	11/25/2025 02:17	PAG	E
Turbidity	3.6	S4	NTU	0.30	SM2130B-2011	1	11/22/2025 13:42	NPF	B

Results

Client Sample ID	FFMP04AW	Collected	11/21/2025 13:28
Lab Sample ID	3443980005	Lab Receipt	11/21/2025 14:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	38.89	S5	Feet		Field	1	11/21/2025 13:28	EMP	D
Dissolved Oxygen	0.70	S5	mg/L	0.01	Field	1	11/21/2025 13:28	EMP	D
Elev Top MW Casing above MSL	560.72	S5	Feet		Field	1	11/21/2025 13:28	EMP	D
Flow Rate	0.07	S5	gal/min		Field	1	11/21/2025 13:28	EMP	D
Ground Water Elevation	521.83	S5	ft/MSL		Field	1	11/21/2025 13:28	EMP	D
Oxidation-Reduction Potential	158	S5	mV		Field	1	11/21/2025 13:28	EMP	D
pH, Field (SM4500B)	7.04	S5	pH_Units		Field	1	11/21/2025 13:28	EMP	D
Sample Depth	146.00	S5	Feet		Field	1	11/21/2025 13:28	EMP	D
Specific Conductance, Field	1471	S5	umhos/cm	1	Field	1	11/21/2025 13:28	EMP	D
Temperature	13.09	S5	Deg. C		Field	1	11/21/2025 13:28	EMP	D
Total Well Depth	148.50	S5	Feet		Field	1	11/21/2025 13:28	EMP	D
Turbidity, Field	17	S5	NTU	1	Field	1	11/21/2025 13:28	EMP	D
Volume in Water Column	0.00	S5	Gallons		Field	1	11/21/2025 13:28	EMP	D
Water Level After Purge	43.79	S5	Feet		Field	1	11/21/2025 13:28	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	158	S5	mg/L	0.11	SW846 6010C	1	12/02/2025 11:22	MSY	K1
Iron, Total	0.069	S5	mg/L	0.067	SW846 6010C	1	12/02/2025 11:22	MSY	K1
Magnesium, Total	27.4	S5	mg/L	0.11	SW846 6010C	1	12/02/2025 11:22	MSY	K1
Manganese, Total	0.39	S5	mg/L	0.0056	SW846 6010C	1	12/02/2025 11:22	MSY	K1
Potassium, Total	2.8	S5	mg/L	0.56	SW846 6010C	1	12/02/2025 11:22	MSY	K1
Sodium, Total	94.4	S5	mg/L	0.56	SW846 6010C	1	12/02/2025 12:39	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
1,1-Dichloroethane	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
1,1-Dichloroethene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
1,2-Dibromoethane	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
1,2-Dichloroethane	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Benzene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
cis-1,2-Dichloroethene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Ethylbenzene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Methylene Chloride	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Tetrachloroethene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Toluene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Total Xylenes	ND	ND,S5	ug/L	3.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
trans-1,2-Dichloroethene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Trichloroethene	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H
Vinyl Chloride	ND	ND,S5	ug/L	1.0	SW846 8260B	1	12/06/2025 02:43	PDK	H

Results

Client Sample ID	FFMP04AW	Collected	11/21/2025 13:28
Lab Sample ID	3443980005	Lab Receipt	11/21/2025 14:45

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	12/06/2025 02:43	
4-Bromofluorobenzene	460-00-4	103%	79 – 114	12/06/2025 02:43	
Dibromofluoromethane	1868-53-7	103%	78 – 116	12/06/2025 02:43	
Toluene-d8	2037-26-5	109%	76 – 127	12/06/2025 02:43	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	187	S5	mg/L	5	SM2320B-2011	1	11/30/2025 00:14	JXK	B
Alkalinity, Total	187	1,S5	mg/L	5	SM2320B-2011	1	11/30/2025 00:14	JXK	B
Ammonia-N, Low Level	ND	ND,S5	mg/L	0.10	SM 4500-NH3G	1	11/26/2025 09:18	AYS	A
Chemical Oxygen Demand (COD)	ND	ND,S5	mg/L	15	EPA 410.4	1	11/25/2025 12:00	KMS	A
Chloride	34.3	S5	mg/L	2.0	EPA 300.0	2	11/22/2025 15:52	CRM	B
Fluoride	ND	ND,S5	mg/L	0.20	EPA 300.0	2	11/22/2025 15:52	CRM	B
Nitrate-N	2.2	S5	mg/L	1.0	EPA 300.0	2	11/22/2025 15:52	CRM	B
pH	8.26	2,S5	pH_Units		S4500HB-11	1	11/30/2025 00:14	JXK	B
Phenolics	ND	ND,S5	mg/L	0.004	SW846 9066	1	12/08/2025 12:49	ZEB	G
Specific Conductance	1500	S5	umhos/cm	5	SW846 9050A	1	12/03/2025 12:30	A1L	B
Sulfate	39.8	S5	mg/L	2.0	EPA 300.0	2	11/22/2025 15:52	CRM	B
Total Dissolved Solids	866	S5	mg/L	25	SM2540C-15	1	11/25/2025 18:05	RAG	B
Total Organic Carbon (TOC)	0.84	S5	mg/L	0.50	SW846 9060A	1	11/25/2025 02:17	PAG	E
Turbidity	3.3	S5	NTU	0.30	SM2130B-2011	1	11/22/2025 13:42	NPF	B

Results

Client Sample ID	FFMP30RW	Collected	11/21/2025 13:20
Lab Sample ID	3443980006	Lab Receipt	11/21/2025 14:45

FIELD PARAMETERS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Depth to Water Level	36.93	S6	Feet		Field	1	11/21/2025 13:20	EMP	D
Dissolved Oxygen	5.93	S6	mg/L	0.01	Field	1	11/21/2025 13:20	EMP	D
Elev Top MW Casing above MSL	562.30	S6	Feet		Field	1	11/21/2025 13:20	EMP	D
Flow Rate	0.07	S6	gal/min		Field	1	11/21/2025 13:20	EMP	D
Ground Water Elevation	525.37	S6	ft/MSL		Field	1	11/21/2025 13:20	EMP	D
Oxidation-Reduction Potential	254	S6	mV		Field	1	11/21/2025 13:20	EMP	D
pH, Field (SM4500B)	5.58	S6	pH_Units		Field	1	11/21/2025 13:20	EMP	D
Sample Depth	85.00	S6	Feet		Field	1	11/21/2025 13:20	EMP	D
Specific Conductance, Field	1181	S6	umhos/cm	1	Field	1	11/21/2025 13:20	EMP	D
Temperature	13.18	S6	Deg. C		Field	1	11/21/2025 13:20	EMP	D
Total Well Depth	94.20	S6	Feet		Field	1	11/21/2025 13:20	EMP	D
Turbidity, Field	208	S6	NTU	1	Field	1	11/21/2025 13:20	EMP	D
Volume in Water Column	0.00	S6	Gallons		Field	1	11/21/2025 13:20	EMP	D
Water Level After Purge	37.34	S6	Feet		Field	1	11/21/2025 13:20	EMP	D

METALS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Calcium, Total	51.8	S6	mg/L	0.11	SW846 6010C	1	12/02/2025 11:24	MSY	K1
Iron, Total	ND	ND,S6	mg/L	0.067	SW846 6010C	1	12/02/2025 11:24	MSY	K1
Magnesium, Total	19.4	S6	mg/L	0.11	SW846 6010C	1	12/02/2025 11:24	MSY	K1
Manganese, Total	3.5	S6	mg/L	0.0056	SW846 6010C	1	12/02/2025 11:24	MSY	K1
Potassium, Total	8.6	S6	mg/L	0.56	SW846 6010C	1	12/02/2025 11:24	MSY	K1
Sodium, Total	143	S6	mg/L	0.56	SW846 6010C	1	12/02/2025 12:42	MSY	K1

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
1,1-Dichloroethane	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
1,1-Dichloroethene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
1,2-Dibromoethane	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
1,2-Dichloroethane	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Benzene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
cis-1,2-Dichloroethene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Ethylbenzene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Methylene Chloride	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Tetrachloroethene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Toluene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Total Xylenes	ND	ND,S6	ug/L	3.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
trans-1,2-Dichloroethene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Trichloroethene	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H
Vinyl Chloride	ND	ND,S6	ug/L	1.0	SW846 8260B	1	12/06/2025 03:29	PDK	H

Results

Client Sample ID	FFMP30RW	Collected	11/21/2025 13:20
Lab Sample ID	3443980006	Lab Receipt	11/21/2025 14:45

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	12/06/2025 03:29	
4-Bromofluorobenzene	460-00-4	102%	79 – 114	12/06/2025 03:29	
Dibromofluoromethane	1868-53-7	98.7%	78 – 116	12/06/2025 03:29	
Toluene-d8	2037-26-5	104%	76 – 127	12/06/2025 03:29	

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Alkalinity, Bicarbonate	41	S6	mg/L	5	SM2320B-2011	1	11/30/2025 00:29	JXK	B
Alkalinity, Total	41	1,S6	mg/L	5	SM2320B-2011	1	11/30/2025 00:29	JXK	B
Ammonia-N, Low Level	ND	ND,S6	mg/L	0.10	SM 4500-NH3G	1	11/26/2025 09:18	AYS	A
Chemical Oxygen Demand (COD)	ND	ND,S6	mg/L	15	EPA 410.4	1	11/25/2025 12:00	KMS	A
Chloride	301	S6	mg/L	5.0	EPA 300.0	5	11/22/2025 16:04	CRM	B
Fluoride	ND	ND,S6	mg/L	0.50	EPA 300.0	5	11/22/2025 16:04	CRM	B
Nitrate-N	6.0	S6	mg/L	2.5	EPA 300.0	5	11/22/2025 16:04	CRM	B
pH	7.72	2,S6	pH_Units		S4500HB-11	1	11/30/2025 00:29	JXK	B
Phenolics	ND	ND,S6	mg/L	0.004	SW846 9066	1	12/12/2025 16:48	ZEB	G
Specific Conductance	1220	S6	umhos/cm	5	SW846 9050A	1	12/03/2025 12:30	A1L	B
Sulfate	47.2	S6	mg/L	5.0	EPA 300.0	5	11/22/2025 16:04	CRM	B
Total Dissolved Solids	650	S6	mg/L	25	SM2540C-15	1	11/25/2025 18:05	RAG	B
Total Organic Carbon (TOC)	0.98	S6	mg/L	0.50	SW846 9060A	1	11/25/2025 02:17	PAG	E
Turbidity	2.1	S6	NTU	0.30	SM2130B-2011	1	11/22/2025 13:42	NPF	B

Results

Client Sample ID	TRIP BLANK	Collected	11/21/2025 00:00
Lab Sample ID	3443980007	Lab Receipt	11/21/2025 14:45

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1-Trichloroethane	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
1,1-Dichloroethane	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
1,1-Dichloroethene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
1,2-Dibromoethane	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
1,2-Dichloroethane	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Benzene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
cis-1,2-Dichloroethene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Ethylbenzene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Methylene Chloride	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Tetrachloroethene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Toluene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Total Xylenes	ND	ND,S7	ug/L	3.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
trans-1,2-Dichloroethene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Trichloroethene	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A
Vinyl Chloride	ND	ND,S7	ug/L	1.0	SW846 8260B	1	12/06/2025 00:04	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	107%	62 – 133	12/06/2025 00:04	
4-Bromofluorobenzene	460-00-4	101%	79 – 114	12/06/2025 00:04	
Dibromofluoromethane	1868-53-7	100%	78 – 116	12/06/2025 00:04	
Toluene-d8	2037-26-5	108%	76 – 127	12/06/2025 00:04	

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3443980001	FFMP035W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3443980002	FFMP036W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3443980003	FFMP038W	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3443980004	FFMP26RW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3443980005	FFMP04AW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3443980006	FFMP30RW	Field	N/A	
		SW846 6010C	SW846 3015A	
		SW846 8260B	N/A	
		EPA 300.0	N/A	
		EPA 410.4	N/A	
		S4500HB-11	N/A	
		SM 4500-NH3G	N/A	
		SM2130B-2011	N/A	
		SM2320B-2011	N/A	
		SM2540C-15	N/A	
		SW846 9050A	N/A	
		SW846 9060A	N/A	
		SW846 9066	SW846 9066	
3443980007	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
3443980001	FFMP035W	N/A	N/A	N/A		Field	1493005
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492131
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492605
		N/A	N/A	N/A		SW846 8260B	1493218
		N/A	N/A	N/A		EPA 300.0	1489782
		N/A	N/A	N/A		EPA 410.4	1490285
		N/A	N/A	N/A		S4500HB-11	1491373
		N/A	N/A	N/A		SM 4500-NH3G	1490349
		N/A	N/A	N/A		SM2130B-2011	1489768
		N/A	N/A	N/A		SM2320B-2011	1491373
		N/A	N/A	N/A		SM2540C-15	1490298
		N/A	N/A	N/A		SW846 9050A	1492782
		N/A	N/A	N/A		SW846 9060A	1489959
		SW846 9066	1493099	12/05/2025 09:07	A1L	SW846 9066	1493107
3443980002	FFMP036W	N/A	N/A	N/A		Field	1493005
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492131
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492605
		N/A	N/A	N/A		SW846 8260B	1493218
		N/A	N/A	N/A		EPA 300.0	1489782
		N/A	N/A	N/A		EPA 410.4	1490285
		N/A	N/A	N/A		S4500HB-11	1491373
		N/A	N/A	N/A		SM 4500-NH3G	1490349
		N/A	N/A	N/A		SM2130B-2011	1489768
		N/A	N/A	N/A		SM2320B-2011	1491373
		N/A	N/A	N/A		SM2540C-15	1490298
		N/A	N/A	N/A		SW846 9050A	1492782
		N/A	N/A	N/A		SW846 9060A	1489959
		SW846 9066	1493099	12/05/2025 09:07	A1L	SW846 9066	1493107
3443980003	FFMP038W	N/A	N/A	N/A		Field	1493005
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492131
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492605
		N/A	N/A	N/A		SW846 8260B	1493218
		N/A	N/A	N/A		EPA 300.0	1489782
		N/A	N/A	N/A		EPA 410.4	1490285
		N/A	N/A	N/A		S4500HB-11	1491373
		N/A	N/A	N/A		SM 4500-NH3G	1490349
		N/A	N/A	N/A		SM2130B-2011	1489768
		N/A	N/A	N/A		SM2320B-2011	1491373
		N/A	N/A	N/A		SM2540C-15	1490298
		N/A	N/A	N/A		SW846 9050A	1492782
		N/A	N/A	N/A		SW846 9060A	1489959
		SW846 9066	1493099	12/05/2025 09:07	A1L	SW846 9066	1493107
3443980004	FFMP26RW	N/A	N/A	N/A		Field	1493005
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492131
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492605
		N/A	N/A	N/A		SW846 8260B	1493218
		N/A	N/A	N/A		EPA 300.0	1489782
		N/A	N/A	N/A		EPA 410.4	1490285
		N/A	N/A	N/A		S4500HB-11	1491373
		N/A	N/A	N/A		SM 4500-NH3G	1490349
		N/A	N/A	N/A		SM2130B-2011	1489768
		N/A	N/A	N/A		SM2320B-2011	1491373
		N/A	N/A	N/A		SM2540C-15	1490298
		N/A	N/A	N/A		SW846 9050A	1492782
		N/A	N/A	N/A		SW846 9060A	1489959
		SW846 9066	1493099	12/05/2025 09:07	A1L	SW846 9066	1493107

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3443980005	FFMP04AW	N/A	N/A	N/A		Field	1493005
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492131
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492605
		N/A	N/A	N/A		SW846 8260B	1493218
		N/A	N/A	N/A		EPA 300.0	1489782
		N/A	N/A	N/A		EPA 410.4	1490285
		N/A	N/A	N/A		S4500HB-11	1491373
		N/A	N/A	N/A		SM 4500-NH3G	1490344
		N/A	N/A	N/A		SM2130B-2011	1489768
		N/A	N/A	N/A		SM2320B-2011	1491373
		N/A	N/A	N/A		SM2540C-15	1490298
		N/A	N/A	N/A		SW846 9050A	1492782
		N/A	N/A	N/A		SW846 9060A	1489959
		SW846 9066	1493099	12/05/2025 09:07	A1L	SW846 9066	1493107
3443980006	FFMP30RW	N/A	N/A	N/A		Field	1493005
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492131
		SW846 3015A	1490326	11/25/2025 13:27	J1K	SW846 6010C	1492605
		N/A	N/A	N/A		SW846 8260B	1493218
		N/A	N/A	N/A		EPA 300.0	1489782
		N/A	N/A	N/A		EPA 410.4	1490285
		N/A	N/A	N/A		S4500HB-11	1491373
		N/A	N/A	N/A		SM 4500-NH3G	1490349
		N/A	N/A	N/A		SM2130B-2011	1489768
		N/A	N/A	N/A		SM2320B-2011	1491373
		N/A	N/A	N/A		SM2540C-15	1490298
		N/A	N/A	N/A		SW846 9050A	1492782
		N/A	N/A	N/A		SW846 9060A	1489959
		SW846 9066	1493099	12/05/2025 09:07	A1L	SW846 9066	1495285
3443980007	TRIP BLANK	N/A	N/A	N/A		SW846 8260B	1493218

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

CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

3443980

Logged By: SLS
PM: SJB

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

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.						2	1	3	1	1	x	x	1	2	
1	FFMP035W	11/21/25	09:48		G	GW	2	1	3	1	1	X	X	1	2	
2	FFMP036W	11/21/25	10:29		G	GW	2	1	3	1	1	X	X	1	2	
3	FFMP038W	11/21/25	11:37		G	GW	2	1	3	1	1	X	X	1	2	
4	FFMP26RW	11/21/25	12:07		G	GW	2	1	3	1	1	X	X	1	2	
5	FFMP04AW	11/21/25	13:28		G	GW	2	1	3	1	1	X	X	1	2	
6	FFMP30RW	11/21/25	13:20		G	GW	2	1	3	1	1	X	X	1	2	
7	Trip Blank	11-21-25	UA						3							
8																
9																
10																

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

Comments:

Date:	Time		Relinquished By / Company Name		Received By / Company Name
11-21-25	15:45	1	AIS EP	2	Target ALS
		3		4	
		5		6	
		7		8	
		9		10	

* 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

(Receiving Lab)

Temp Taken By: Therm ID: 352 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, llist below:

Client contact:
Date/Tech:

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

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

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

Sample/COC Remarks

Sampling Hours

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

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

Middletown Sample Condition Form

Client LCSWMA Workorder 3443980

Temp °C 3 Therm ID 352 Ice? (Y) N N/A Initials & Date tkh 11-21-25

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:

_____

_____

_____

12/15/2025 12:53 PM