HAMPDEN ENVIRONMENTAL TRUST
COMMITTEE MEETING

Thursday, March 2, 2023

1:00 P.M.

HAMPDEN TOWN OFFICE

AGENDA

1. Call to Order

2. Approval of Meeting Minutes – December 1, 2022

3. Presentations by representatives of First National Bank

   a. Opinion on reimbursement of expenses occurring outside of the geographic area discussed in the indenture document

   b. Discussion on combining the principal and interest into one account, relative to the January 2023 date

   c. Update on the status of the investments.

4. Review of financial statements from Institutional Trustee First National Bank

5. Review of proposed FY23 costs for reimbursement or payment from Environmental Trust, Income
   a. General Fund payments for Stormwater Management totaling $27,309.20.

6. Other Business

7. Set date for the next meeting.

8. Adjourn

HAMPDEN ENVIRONMENTAL TRUST
COMMITTEE MEETING

Thursday, December 1, 2022

1:00 P.M.

HAMPDEN TOWN OFFICE

MINUTES

1. Call to Order

   Meeting was called to order at 1:00 p.m.

2. Approval of Meeting Minutes – September 8, 2022

   Councilor Jarvi made a motion to approve the minutes from September 8th, 2022, seconded by Kerry Woodbury. Unanimous, 3-0-0.

3. Review of financial statements from Institutional Trustee Bangor Savings Bank and Institutional Trustee First National Bank

   Councilor Jarvi inquired about the dual bank statements, in part from Bangor Savings, in part from the First National. TM informed that all the funds have now been moved to the First but that the November bank statement has not been posted yet. Trustees kept September invoices under unfinished business, to be revisited in March.

4. Review of proposed FY23 costs for reimbursement or payment from Environmental Trust, Income
   a. General Fund payments for Stormwater Management totaling $44,640.41.

   Trustees reviewed invoices. Trustee Woodbury asked about the Hammond Lumber and Clean Harbors invoices. TM explained the situation with the leaking fire foam containers. Discussion followed regarding whether this was outside of the geographic area outlined in the Trust. Councilor Jarvi asked to remove $93.31 from the Hammond invoice if we find that the trust can in fact reimburse for this invoice. He also questioned the Sherwin Williams invoice because it says Hampden Rec. on it. DPW Director Smith stated that when the interns painted the catch basins, they were authorized to charge and thinks the store pulled the wrong account. TM stated she felt it can be handled internally and would be able to be explained in an audit. Trustee White asked if the Marina Rd. washout engineering was a

permitted expense for reimbursement. Councilor Jarvi asked for a legal interpretation for these questions. After removing the invoices in question, Councilor Jarvi made a motion to reimburse the Town's General Fund from the Environmental Trust Income account in the amount of $37,546. ($44,640.41, less $834.53, and $6,259.52) Trustee Woodbury seconded the motion. Unanimous 3-0-0.

5. Set date for the next meeting

   Prior to setting the meeting date, Trustee Woodbury informed those present that he would not be seeking another term but said he has a recommended replacement – Jeff Pelletier who works at Casella, satisfying that requirement in the Trust. Trustees and town staff thanked Trustee Woodbury for his service and wished him well. Trustee White turned in an application for another term. Discussion followed regarding the possibility of the attorney coming to the next meeting to revisit the Trust language regarding the geographical area, purposes, etc. The TM stated she would try to arrange it. After discussion, Trustees set the date of the next meeting for March 2nd, 2023 at 1:00 p.m.

6. Adjourn

   The Environmental Trust meeting adjourned at 2:00 p.m.

Respectfully Submitted,

Paula A. Scott

Paula Scott, Town Manager

First National
WEALTH MANAGEMENT

ACCOUNT NUMBER: **40310000229**
STATEMENT PERIOD: OCTOBER 01, 2022 THROUGH DECEMBER 31, 2022

FIRST NATIONAL WEALTH MANAGEMENT
P O BOX 940
DAMARISCOTTA, ME 04543

HAMPDEN ENVIRONMENTAL TRUST
TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME 04444

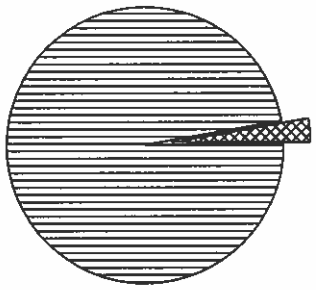
ACCOUNT NAME:	**HAMPDEN ENVIRONMENTAL TRUST - INCOME**
ADMINISTRATIVE OFFICER:	**LORRAINE OUELLETTE 207-669-6368 LORRAINE.OUELLETTE @THEFIRST.COM**
INVESTMENT OFFICER:	**MATT WEAVER 866-563-1900 MATTHEW.WEAVER @THEFIRST.COM**

Proprietary Money Market Disclosure

Please be advised that First National Wealth Management may use a First National Bank money market deposit account as a sweep investment vehicle. First National Wealth Management does not receive any compensation from First National Bank for the placement of funds in this account, nor does First National Bank receive any fees from First National Wealth Management for the use of the account. The rate on the account is set by First National Bank. First National Wealth Management reviews its use of the First National Bank money market deposit account on a regular basis to ensure that it is the most appropriate investment for First National Wealth Management client funds.

PORTFOLIO SUMMARY

	TAX COST	MARKET VALUE	PERCENT
CASH AND EQUIVALENTS	13, 292. 52	13, 292. 52	2. 8%
FIXED INCOME	491, 171. 02	463, 963. 75	97. 2%
TOTAL ASSETS	504,463.54	477,256.27	100.0%
ACCRUED INCOME OTHER	981.51	981.51	
TOTAL ACCRUED INCOME	981.51	981.51	
TOTAL ASSETS & ACCRUALS	505,445.05	478,237.78	



BEGINNING MARKET VALUE	0.00
ENDING MARKET VALUE	478,237.78

ACTIVITY SUMMARY

	THIS PERIOD	YEAR TO DATE
BEGINNING MARKET VALUE	**0.00**	**0.00**
DIVIDENDS AND INTEREST	517.50	517.50
OTHER RECEIPTS	13,059.76	13,059.76
FEES	284.74-	284.74-
NET CASH SALES/PURCHASES	13,292.52-	13,292.52-
CHANGE IN MARKET VALUE	477,256.27	477,256.27
ENDING MARKET VALUE	**477,256.27**	**477,256.27**

REALIZED CAPITAL GAINS / LOSSES

	THIS PERIOD	YEAR TO DATE
TOTAL GAINS / LOSSES	**0.00**	**0.00**

INVESTMENT PERFORMANCE

	THIS PERIOD	YEAR TO DATE
RATE OF RETURN	0.00%	0.00%

PORTFOLIO DETAIL

DESCRIPTION			MARKET VALUE/ PRICE	TAX COST/ UNREALIZED GAIN/LOSS	EST ANNUAL INCOME/ ACCRUED INC	CURRENT YIELD
CASH AND EQUIVALENTS						
FNWM MONEY MARKET			13,292.52 1.00	13,292.52 0.00	478.53 39.88	3.60
TOTAL CASH AND EQUIVALENTS			**13,292.52**	**13,292.52** **0.00**	**478.53** **39.88**	**3.60**

DESCRIPTION	RATING	PAR VALUE	MARKET VALUE/ PRICE	TAX COST/ UNREALIZED GAIN/LOSS	EST ANNUAL INCOME/ ACCRUED INC	CURRENT YIELD
FIXED INCOME						
US TREASURY NOTES 12/21/2017 2.25% 12/31/2024		75,000.000	71,918.25 95.89	72,117.19 198.94-	1,687.50 4.66	2.35
US TREASURY NTS DTD 10/22/2020 .25% 10/31/2025		100,000.000	89,508.00 89.51	96,973.16 7,465.16-	250.00 42.82	0.28
US TREASURY NTS DTD 08/19/2021 .75% 08/31/2026		75,000.000	66,498.00 88.66	74,855.98 8,357.98-	562.50 191.13	0.85
US TREASURY NTS DTD 11/18/2021 .5% 11/30/2023		150,000.000	144,316.50 96.21	149,552.81 5,236.31-	750.00 65.93	0.52
US TREASURY NTS DTD 02/17/2022 1.875% 02/28/2027		100,000.000	91,723.00 91.72	97,671.88 5,948.88-	1,875.00 637.09	2.04
TOTAL FIXED INCOME			**463,963.75**	**491,171.02** **27,207.27-**	**5,125.00** **941.63**	**1.10**
TOTAL ASSETS			**477,256.27**	**504,463.54** **27,207.27-**	**5,603.53** **981.51**	**1.17**
TOTAL ACCRUED INC			**981.51**	**981.51**		
GRAND TOTAL ASSETS			**478,237.78**	**505,445.05** **27,207.27-**	**5,603.53** **981.51**	**1.17**

TRANSACTION DETAIL

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
10/01/22		**BEGINNING BALANCE**		**0.00**	**0.00**
DIVIDENDS					
11/01/22		MM0000099 DIVIDEND ON FNWM MONEY MARKET PAYABLE 10/31/2022 EFFECTIVE 10/31/2022	DIVIDEND	0.01	
12/01/22		MM0000099 DIVIDEND ON FNWM MONEY MARKET PAYABLE 11/30/2022 EFFECTIVE 11/30/2022	DIVIDEND	17.49	
TOTAL DIVIDENDS				**17.50**	**0.00**
INTEREST					
10/31/22		91282CAT8 INTEREST ON 100,000 UNITS US TREASURY NTS DTD 10/22/2020 .25% 10/31/2025 PAYABLE 10/31/2022	INTEREST RCVD	125.00	
11/30/22		91282CDM0 INTEREST ON 150,000 UNITS US TREASURY NTS DTD 11/18/2021 .5% 11/30/2023 PAYABLE 11/30/2022	INTEREST RCVD	375.00	
TOTAL INTEREST				**500.00**	**0.00**
OTHER RECEIPTS					
10/20/22		RECEIVED FROM BANGOR SAVINGS BANK RECEIVED WIRE OF RESIDUAL INCOME	CASH RCVD	4.61	
11/10/22		RECEIVED FROM ACCOUNT # 40310000219 RECEIVED NET INCOME FROM HAMPDEN ENV TRUST	CASH RCVD	9,966.33	
11/18/22		RECEIVED FROM BANGOR SAVINGS BANK RECEIVED RESIDUAL INCOME FROM PRIOR TRUSTEE	CASH RCVD	0.01	
12/12/22		RECEIVED FROM ACCOUNT # 40310000219 RECEIVED NET INCOME FROM HAMPDEN ENV TRUST	CASH RCVD	3,088.81	
TOTAL OTHER RECEIPTS				**13,059.76**	**0.00**
PURCHASES					
12/31/22	13,292.520	MM0000099 NET DEPOSIT FNWM MONEY MARKET	NET CASH MGMT	13,292.52-	13,292.52
TOTAL PURCHASES				**13,292.52-**	**13,292.52**
FEES					
11/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 10/31/2022 BASED ON AVERAGE MARKET VALUE_____111.57 DISCOUNT_____66.94	DISBURSEMENT	44.63-	
11/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 10/31/2022 BASED ON AVERAGE MARKET VALUE_____111.57 DISCOUNT_____66.94	DISBURSEMENT	44.63-	

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
12/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 11/30/2022 BASED ON AVERAGE MARKET VALUE 244.36 DISCOUNT 146.62	DISBURSEMENT	97.74-	
12/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 11/30/2022 BASED ON AVERAGE MARKET VALUE 244.36 DISCOUNT 146.62	DISBURSEMENT	97.74-	
TOTAL FEES				**284.74-**	**0.00**
NON CASH ACTIVITY					
10/14/22	100,000.000	91282CEC1 RECEIVED 100,000 UNITS US TREASURY NTS DTD 02/17/2022 1.875% 02/28/2027 EFFECTIVE 10/13/2022	SECURITY RCVD		97,671.88
10/14/22	75,000.000	9128283P3 RECEIVED 75,000 UNITS US TREASURY NOTES 12/21/2017 2.25% 12/31/2024 EFFECTIVE 10/13/2022	SECURITY RCVD		72,117.19
10/14/22	100,000.000	91282CAT8 RECEIVED 100,000 UNITS US TREASURY NTS DTD 10/22/2020 .25% 10/31/2025 EFFECTIVE 10/13/2022	SECURITY RCVD		96,973.16
10/14/22	150,000.000	91282CDM0 RECEIVED 150,000 UNITS US TREASURY NTS DTD 11/18/2021 .5% 11/30/2023 EFFECTIVE 10/13/2022	SECURITY RCVD		149,552.81
10/14/22	75,000.000	91282CCW9 RECEIVED 75,000 UNITS US TREASURY NTS DTD 08/19/2021 .75% 08/31/2026 EFFECTIVE 10/13/2022	SECURITY RCVD		74,855.98
TOTAL NON CASH ACTIVITY				**0.00**	**491,171.02**
12/31/22		**ENDING BALANCE**		**0.00**	**504,463.54**

FOR YOUR INFORMATION

Maine Uniform Trust Code - Limitation of Action against a Trustee

Pursuant to Maine law (M.R.S. Title 18-B, Sec. 1005), you have one year from your receipt of this accounting or report to make an objection to any item set forth in the accounting or report. Any objection you make must be in writing; it must be delivered to the Trustee within the period stated above; and it must state your objection. Your failure to deliver a written objection to the Trustee within the period stated above will permanently prevent you from later asserting this objection against the Trustee. If you have any questions or would like to discuss your account, please contact your account administrator.

Message for IRA Owners

This statement reflects the year-end fair market value of your IRA. This information will be provided to the IRS on Form 5498. The IRS will also be provided with the amount of your RMD (required minimum distribution) for 2023 if you are 72 years of age or older. You will receive a separate statement from us by January 31st indicating the amount

FOR YOUR INFORMATION

of your RMD.

First National
WEALTH MANAGEMENT

ACCOUNT NUMBER: **40310000219**
STATEMENT PERIOD: OCTOBER 01, 2022 THROUGH DECEMBER 31, 2022

FIRST NATIONAL WEALTH MANAGEMENT
P O BOX 940
DAMARISCOTTA, ME 04543

HAMPDEN ENVIRONMENTAL TRUST
TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME 04444

ACCOUNT NAME:	**HAMPDEN ENVIRONMENTAL TRUST**
ADMINISTRATIVE OFFICER:	**LORRAINE OUELLETTE** **207-669-6368** **LORRAINE.OUELLETTE @THEFIRST.COM**
INVESTMENT OFFICER:	**MATT WEAVER** **866-563-1900** **MATTHEW.WEAVER @THEFIRST.COM**

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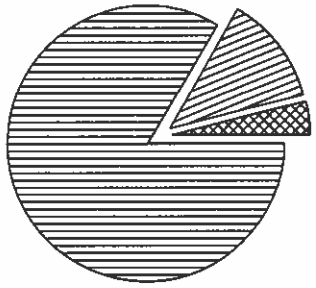
PORTFOLIO SUMMARY

	TAX COST	MARKET VALUE	PERCENT
CASH AND EQUIVALENTS	100, 290. 08	100, 290. 08	3. 8%
EQUITIES	347, 270. 01	340, 290. 93	12. 7%
FIXED INCOME	2, 386, 981. 76	2, 233, 317. 00	83. 5%
TOTAL ASSETS	2,834,541.85	2,673,898.01	100.0%
ACCRUED INCOME OTHER	13,950.44	13,950.44	
TOTAL ACCRUED INCOME	13,950.44	13,950.44	
TOTAL ASSETS & ACCRUALS	2,848,492.29	2,687,848.45	



BEGINNING MARKET VALUE	344,612.05
ENDING MARKET VALUE	2,687,848.45

ACTIVITY SUMMARY

	THIS PERIOD	YEAR TO DATE
BEGINNING MARKET VALUE	**344,143.36**	**0.00**
DIVIDENDS AND INTEREST	19,979.46	19,979.46
OTHER RECEIPTS	1,895.94	346,037.80
DISBURSEMENTS	13,055.14-	13,055.14-
FEES	1,625.78-	1,625.78-
NET CASH SALES/PURCHASES	7,194.48-	351,336.34-
CHANGE IN MARKET VALUE	2,329,754.65	2,673,898.01
ENDING MARKET VALUE	**2,673,898.01**	**2,673,898.01**

REALIZED CAPITAL GAINS / LOSSES

	THIS PERIOD	YEAR TO DATE
LONG TERM	11,735.70	11,735.70
SHORT TERM	61.31	61.31
TOTAL GAINS / LOSSES	**11,797.01**	**11,797.01**

INVESTMENT PERFORMANCE

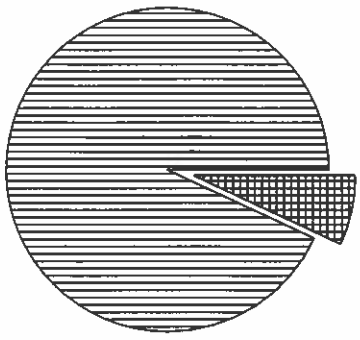
	THIS PERIOD	YEAR TO DATE
RATE OF RETURN	680.69%	0.00%

PORTFOLIO DETAIL

DESCRIPTION			MARKET VALUE/ PRICE	TAX COST/ UNREALIZED GAIN/LOSS	EST ANNUAL INCOME/ ACCRUED INC	CURRENT YIELD
CASH AND EQUIVALENTS						
FNWM MONEY MARKET			100,290.08 1.00	100,290.08 0.00	3,610.45 300.87	3.60
TOTAL CASH AND EQUIVALENTS			**100,290.08**	**100,290.08** **0.00**	**3,610.45** **300.87**	**3.60**

DESCRIPTION	TICKER	SHARES	MARKET VALUE/ PRICE	TAX COST/ UNREALIZED GAIN/LOSS	EST ANNUAL INCOME/ ACCRUED INC	CURRENT YIELD
EQUITIES						
BARON EMERGING MARKETS INSTITUTIONAL	BEXIX	2,837.450	37,000.35 13.04	35,000.00 2,000.35	192.95	0.52
DFA INTERNATIONAL SMALL COMPANY I	DFISX	1,067.575	18,597.16 17.42	17,720.57 876.59	429.17	2.31
DODGE & COX INTERNATIONAL STOCK I	DODFX	1,769.554	76,285.47 43.11	73,500.00 2,785.47	1,698.77	2.23
DODGE & COX STOCK I	DODGX	359.738	77,599.08 215.71	79,521.80 1,922.72-	1,107.99	1.43
FIDELITY GROWTH COMPANY FUND	FDGRX	2,380.551	53,586.20 22.51	59,594.54 6,008.34-	221.39	0.41
NEUBERGER BERMAN GENESIS INSTL	NBGIX	504.990	27,501.76 54.46	30,733.54 3,231.78-	22.72	0.08
PARNASSUS MID CAP FUND CL I	PFPMX	1,461.520	49,720.91 34.02	51,199.56 1,478.65-	118.38	0.24
TOTAL EQUITIES			**340,290.93**	**347,270.01** **6,979.08-**	**3,791.37** **0.00**	**1.11**

BOND QUALITY SUMMARY



S & P QUALITY RATING	MARKET VALUE	PERCENT
TREASURY / AGENCY	2, 079, 160. 50	93. 1%
NOT RATED	154, 156. 50	6. 9%
Total	2, 233, 317. 00	100. 0%

PORTFOLIO DETAIL (CONTINUED)

DESCRIPTION	RATING	PAR VALUE	MARKET VALUE/ PRICE	TAX COST/ UNREALIZED GAIN/LOSS	EST ANNUAL INCOME/ ACCRUED INC	CURRENT YIELD
FIXED INCOME						
FHLB CONS BD DTD 08/01/2016 1.875% 09/11/2026	AA+	200,000.000	183,896.00 91.95	206,207.43 22,311.43-	3,750.00 1,145.83	2.04
FHLB CONS BD DTD 07/01/2021 .875% 06/12/2026	AA+	150,000.000	134,187.00 89.46	151,165.82 16,978.82-	1,312.50 69.27	0.98
FHLB CONS BD DTD 05/06/2013 2.5% 05/30/2023-2013	AA+	125,000.000	124,038.75 99.23	124,271.25 232.50-	3,125.00 269.10	2.52
FFCB DTD 11/02/2012 2.13% 11/09/2023	AA+	125,000.000	122,213.75 97.77	124,070.45 1,856.70-	2,662.50 384.58	2.18
FFCB CONS BD DTD 02/14/2013 2.33% 02/21/2024	AA+	125,000.000	121,561.25 97.25	120,717.50 843.75	2,912.50 1,051.74	2.40
FFCB DTD 11/05/2015 2.5% 01/13/2025	AA+	125,000.000	120,326.25 96.26	126,017.72 5,691.47-	3,125.00 1,458.33	2.60
JP MORGAN CHASE BANK NA CD CLL DTD 09/28/2022 4.3% 09/30/2024		75,000.000	74,610.75 99.48	75,000.00 389.25-	3,225.00 828.52	4.32
MAINE HEALTH & HIGHER EDL FACS AUTH REV BDS DTD 06/28/2016 5% 07/01/2026		75,000.000	79,545.75 106.06	78,776.25 769.50	3,750.00 1,875.00	4.71
US TREASURY NOTES DTD 08/23/2018 2.75% 08/31/2023		150,000.000	148,096.50 98.73	149,847.66 1,751.16-	4,125.00 1,401.59	2.79
US TREASURY NOTES DTD 08/23/2018 2.75% 08/31/2025		100,000.000	96,203.00 96.20	99,432.31 3,229.31-	2,750.00 934.39	2.86
US TREASURY NOTES DTD 08/15/2015 2% 08/15/2025		200,000.000	189,000.00 94.50	197,046.88 8,046.88-	4,000.00 1,510.87	2.12
US TREASURY NTS DTD 07/23/2020 .25% 07/31/2025		200,000.000	180,618.00 90.31	197,687.50 17,069.50-	500.00 209.24	0.28
US TREASURY NTS DTD 02/03/2021 1.125% 02/15/2031		200,000.000	163,524.00 81.76	189,904.40 26,380.40-	2,250.00 849.86	1.38
US TREASURY NTS DTD 06/17/2021 .875% 06/30/2026		200,000.000	179,054.00 89.53	201,780.87 22,726.87-	1,750.00 4.83	0.98
US TREASURY NTS DTD 08/19/2021 .75% 08/31/2026		150,000.000	132,996.00 88.66	149,711.97 16,715.97-	1,125.00 382.25	0.85
US TREASURY NTS DTD 02/17/2022 1.875% 02/28/2027		200,000.000	183,446.00 91.72	195,343.75 11,897.75-	3,750.00 1,274.17	2.04
TOTAL FIXED INCOME			**2,233,317.00**	**2,386,981.76** **153,664.76-**	**44,112.50** **13,649.57**	**1.98**
TOTAL ASSETS			**2,673,898.01**	**2,834,541.85** **160,643.84-**	**51,514.32** **13,950.44**	**1.93**
TOTAL ACCRUED INC			**13,950.44**	**13,950.44**		
GRAND TOTAL ASSETS			**2,687,848.45**	**2,848,492.29** **160,643.84-**	**51,514.32** **13,950.44**	**1.93**

TRANSACTION DETAIL

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
10/01/22		**BEGINNING BALANCE**		**0.00**	**344,141.86**
DIVIDENDS					
10/03/22		MM0000099 DIVIDEND ON FNWM MONEY MARKET PAYABLE 09/30/2022 EFFECTIVE 09/30/2022	DIVIDEND	556.31	
11/01/22		MM0000099 DIVIDEND ON FNWM MONEY MARKET PAYABLE 10/31/2022 EFFECTIVE 10/31/2022	DIVIDEND	394.27	
11/18/22		701765505 LONG TERM CAPITAL GAINS DIVIDEND ON 1,397.168 SHS PARNASSUS MID CAP FUND CL I AT 1.5743 PER SHARE PAYABLE 11/17/2022 EX DATE 11/17/2022 EFFECTIVE 11/17/2022	DIVIDEND	2,199.56	
12/01/22		MM0000099 DIVIDEND ON FNWM MONEY MARKET PAYABLE 11/30/2022 EFFECTIVE 11/30/2022	DIVIDEND	203.90	
12/15/22		233203629 DIVIDEND ON 1,055.028 SHS DFA INTERNATIONAL SMALL COMPANY I AT .16857 PER SHARE PAYABLE 12/15/2022 EX DATE 12/14/2022	DIVIDEND	177.85	
12/15/22		233203629 LONG TERM CAPITAL GAINS DIVIDEND ON 1,055.028 SHS DFA INTERNATIONAL SMALL COMPANY I AT .20907 PER SHARE PAYABLE 12/15/2022 EX DATE 12/14/2022	DIVIDEND	220.57	
12/16/22		641233200 DIVIDEND ON 455.181 SHS NEUBERGER BERMAN GENESIS INSTL AT .0448 PER SHARE PAYABLE 12/16/2022 EX DATE 12/15/2022	DIVIDEND	20.39	
12/16/22		641233200 SHORT TERM CAPITAL GAINS DIVIDEND ON 455.181 SHS NEUBERGER BERMAN GENESIS INSTL AT .1347 PER SHARE PAYABLE 12/16/2022 EX DATE 12/15/2022	DIVIDEND	61.31	
12/16/22		641233200 LONG TERM CAPITAL GAINS DIVIDEND ON 455.181 SHS NEUBERGER BERMAN GENESIS INSTL AT 5.8707 PER SHARE PAYABLE 12/16/2022 EX DATE 12/15/2022	DIVIDEND	2,672.23	
12/20/22		256219106 LONG TERM CAPITAL GAINS DIVIDEND ON 347.834 SHS DODGE & COX STOCK I AT 7.25 PER SHARE PAYABLE 12/19/2022 EX DATE 12/19/2022 EFFECTIVE 12/19/2022	DIVIDEND	2,521.80	
12/20/22		256219106 DIVIDEND ON 347.834 SHS DODGE & COX STOCK I AT 0.67 PER SHARE PAYABLE 12/19/2022 EX DATE 12/19/2022 EFFECTIVE 12/19/2022	DIVIDEND	233.05	

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
		256206103			
12/20/22		DIVIDEND ON 1,769.554 SHS DODGE & COX INTERNATIONAL STOCK I AT 0.96 PER SHARE PAYABLE 12/19/2022 EX DATE 12/19/2022 EFFECTIVE 12/19/2022	DIVIDEND	1,698.77	
		701765505			
12/22/22		DIVIDEND ON 1,461.52 SHS PARNASSUS MID CAP FUND CL I AT .0809 PER SHARE PAYABLE 12/21/2022 EX DATE 12/21/2022 EFFECTIVE 12/21/2022	DIVIDEND	118.24	
		316200104			
12/28/22		LONG TERM CAPITAL GAINS DIVIDEND ON 2,218.853 SHS FIDELITY GROWTH COMPANY FUND AT 1.62 PER SHARE PAYABLE 12/28/2022 EX DATE 12/27/2022	DIVIDEND	3,594.54	
TOTAL DIVIDENDS				**14,672.79**	**0.00**
INTEREST					
		56042R6S6			
10/04/22		ACCRUED INTEREST PAID 75,000 UNITS MAINE HEALTH & HIGHER EDL FACS AUTH REV BDS DTD 06/28/2016 5% 07/01/2026	ACCRUED INT	927.08-	
		3133ED6R8			
11/07/22		INTEREST ON 100,000 UNITS FFCB DTD 10/29/2013 2.93% 11/07/2022 PAYABLE 11/07/2022	INTEREST RCVD	1,465.00	
		3133EC2C7			
11/09/22		INTEREST ON 125,000 UNITS FFCB DTD 11/02/2012 2.13% 11/09/2023 PAYABLE 11/09/2022	INTEREST RCVD	1,331.25	
		912828TY6			
11/15/22		INTEREST ON 150,000 UNITS US TREASURY NOTES DTD 11/15/2012 1.625% 11/15/2022 PAYABLE 11/15/2022	INTEREST RCVD	1,218.75	
		3133833R0			
11/30/22		INTEREST ON 125,000 UNITS FHLB CONS BD DTD 05/06/2013 2.5% 05/30/2023-2013 PAYABLE 11/30/2022	INTEREST RCVD	1,562.50	
		3130AN4T4			
12/12/22		INTEREST ON 150,000 UNITS FHLB CONS BD DTD 07/01/2021 .875% 06/12/2026 PAYABLE 12/12/2022	INTEREST RCVD	656.25	
TOTAL INTEREST				**5,306.67**	**0.00**
OTHER RECEIPTS					
10/20/22		RECEIVED FROM BANGOR SAVINGS BANK RECEIVED WIRE OF RESIDUAL INCOME	CASH RCVD	1,893.25	
11/18/22		RECEIVED FROM BANGOR SAVINGS BANK RECEIVED RESIDUAL INCOME FROM PRIOR TRUSTEE	CASH RCVD	2.69	
TOTAL OTHER RECEIPTS				**1,895.94**	**0.00**

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
PURCHASES					
		56042R6S6			
10/04/22	75,000.000	PURCHASED 75,000 UNITS MAINE HEALTH & HIGHER EDL FACS AUTH REV BDS DTD 06/28/2016 5% 07/01/2026 ON 09/28/2022 AT 105.035 THRU H AND R BLOCK FINANCIAL ADVISORS	BUY	78,776.25-	78,776.25
		06828M876			
10/27/22	1,273.345	PURCHASED 1,273.345 SHS BARON EMERGING MARKETS INSTITUTIONAL ON 10/26/2022 AT 11.78	BUY	15,000.00-	15,000.00
		233203629			
10/27/22	464.109	PURCHASED 464.109 SHS DFA INTERNATIONAL SMALL COMPANY I ON 10/26/2022 AT 16.16	BUY	7,500.00-	7,500.00
		256206103			
10/27/22	781.832	PURCHASED 781.832 SHS DODGE & COX INTERNATIONAL STOCK I ON 10/26/2022 AT 40.29	BUY	31,500.00-	31,500.00
		256219106			
10/27/22	152.109	PURCHASED 152.109 SHS DODGE & COX STOCK I ON 10/26/2022 AT 216.95	BUY	33,000.00-	33,000.00
		316200104			
10/27/22	957.319	PURCHASED 957.319 SHS FIDELITY GROWTH COMPANY FUND ON 10/26/2022 AT 25.07	BUY	24,000.00-	24,000.00
		641233200			
10/27/22	198.840	PURCHASED 198.84 SHS NEUBERGER BERMAN GENESIS INSTL ON 10/26/2022 AT 60.35	BUY	12,000.00-	12,000.00
		701765505			
10/27/22	610.110	PURCHASED 610.11 SHS PARNASSUS MID CAP FUND CL I ON 10/26/2022 AT 34.42	BUY	21,000.00-	21,000.00
		06828M876			
11/08/22	807.103	PURCHASED 807.103 SHS BARON EMERGING MARKETS INSTITUTIONAL ON 11/07/2022 AT 12.39	BUY	10,000.00-	10,000.00
		233203629			
11/08/22	304.878	PURCHASED 304.878 SHS DFA INTERNATIONAL SMALL COMPANY I ON 11/07/2022 AT 16.40	BUY	5,000.00-	5,000.00
		256206103			
11/08/22	506.512	PURCHASED 506.512 SHS DODGE & COX INTERNATIONAL STOCK I ON 11/07/2022 AT 41.46	BUY	21,000.00-	21,000.00
		256219106			
11/08/22	99.314	PURCHASED 99.314 SHS DODGE & COX STOCK I ON 11/07/2022 AT 221.52	BUY	22,000.00-	22,000.00
		316200104			
11/08/22	653.862	PURCHASED 653.862 SHS FIDELITY GROWTH COMPANY FUND ON 11/07/2022 AT 24.47	BUY	16,000.00-	16,000.00
		641233200			
11/08/22	132.406	PURCHASED 132.406 SHS NEUBERGER BERMAN GENESIS INSTL ON 11/07/2022 AT 60.42	BUY	8,000.00-	8,000.00
		701765505			
11/08/22	404.858	PURCHASED 404.858 SHS PARNASSUS MID CAP FUND CL I ON 11/07/2022 AT 34.58	BUY	14,000.00-	14,000.00

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
		06828M876			
11/16/22	757.002	PURCHASED 757.002 SHS BARON EMERGING MARKETS INSTITUTIONAL ON 11/15/2022 AT 13.21	BUY	10,000.00-	10,000.00
		233203629			
11/16/22	286.041	PURCHASED 286.041 SHS DFA INTERNATIONAL SMALL COMPANY I ON 11/15/2022 AT 17.48	BUY	5,000.00-	5,000.00
		256206103			
11/16/22	481.210	PURCHASED 481.21 SHS DODGE & COX INTERNATIONAL STOCK I ON 11/15/2022 AT 43.64	BUY	21,000.00-	21,000.00
		256219106			
11/16/22	96.411	PURCHASED 96.411 SHS DODGE & COX STOCK I ON 11/15/2022 AT 228.19	BUY	22,000.00-	22,000.00
		316200104			
11/16/22	607.672	PURCHASED 607.672 SHS FIDELITY GROWTH COMPANY FUND ON 11/15/2022 AT 26.33	BUY	16,000.00-	16,000.00
		641233200			
11/16/22	123.935	PURCHASED 123.935 SHS NEUBERGER BERMAN GENESIS INSTL ON 11/15/2022 AT 64.55	BUY	8,000.00-	8,000.00
		701765505			
11/16/22	382.200	PURCHASED 382.2 SHS PARNASSUS MID CAP FUND CL I ON 11/15/2022 AT 36.63	BUY	14,000.00-	14,000.00
		701765505			
11/18/22	64.352	PURCHASED 64.352 SHS PARNASSUS MID CAP FUND CL I ON 11/17/2022 AT 34.18 FOR REINVESTMENT	BUY	2,199.56-	2,199.56
		233203629			
12/15/22	12.547	PURCHASED 12.547 SHS DFA INTERNATIONAL SMALL COMPANY I ON 12/15/2022 AT 17.58 FOR REINVESTMENT	BUY	220.57-	220.57
		641233200			
12/16/22	1.117	PURCHASED 1.117 SHS NEUBERGER BERMAN GENESIS INSTL ON 12/16/2022 AT 54.88 FOR REINVESTMENT	BUY	61.31-	61.31
		641233200			
12/16/22	48.692	PURCHASED 48.692 SHS NEUBERGER BERMAN GENESIS INSTL ON 12/16/2022 AT 54.88 FOR REINVESTMENT	BUY	2,672.23-	2,672.23
		256219106			
12/20/22	11.904	PURCHASED 11.904 SHS DODGE & COX STOCK I ON 12/19/2022 AT 211.84 FOR REINVESTMENT	BUY	2,521.80-	2,521.80
		316200104			
12/28/22	161.698	PURCHASED 161.698 SHS FIDELITY GROWTH COMPANY FUND ON 12/28/2022 AT 22.23 FOR REINVESTMENT	BUY	3,594.54-	3,594.54
TOTAL PURCHASES				**426,046.26-**	**426,046.26**

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
FEES					
11/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 10/31/2022 BASED ON AVERAGE MARKET VALUE 644.04 DISCOUNT 386.43	DISBURSEMENT	257.61-	
11/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 10/31/2022 BASED ON AVERAGE MARKET VALUE 644.04 DISCOUNT 386.43	DISBURSEMENT	257.61-	
12/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 11/30/2022 BASED ON AVERAGE MARKET VALUE 1,388.19 DISCOUNT 832.91	DISBURSEMENT	555.28-	
12/07/22		FEE TO FIRST NATIONAL WEALTH MANAGEMENT FOR THE PERIOD ENDING 11/30/2022 BASED ON AVERAGE MARKET VALUE 1,388.19 DISCOUNT 832.91	DISBURSEMENT	555.28-	
TOTAL FEES				**1,625.78-**	**0.00**
OTHER DISBURSEMENTS					
11/10/22		TRANSFER TO ACCOUNT # 40310000229 TRANSFER NET INCOME TO HAMPDEN ENV TRUST - INCOME 912828TY6	DISBURSEMENT	9,966.33-	
11/15/22		AMORTIZATION ON 150,000 UNITS US TREASURY NOTES DTD 11/15/2012 1.625% 11/15/2022 TO ADJUST TAX LOT, AMORTIZATION = 43.79- 3130AN4T4	AMORTIZATION		43.79-
12/12/22		AMORTIZATION ON 150,000 UNITS FHLB CONS BD DTD 07/01/2021 .875% 06/12/2026 TO ADJUST TAX LOT, AMORTIZATION = 55.65-	AMORTIZATION		55.65-
12/12/22		TRANSFER TO ACCOUNT # 40310000229 TRANSFER NET INCOME TO HAMPDEN ENV TRUST - INCOME	DISBURSEMENT	3,088.81-	
TOTAL OTHER DISBURSEMENTS				**13,055.14-**	**99.44-**
SALES AND MATURITIES					
11/07/22	100,000.000-	3133ED6R8 MATURED 100,000 UNITS FFCB DTD 10/29/2013 2.93% 11/07/2022	MATURITY	100,000.00	99,473.00-
11/15/22	150,000.000-	912828TY6 MATURED 150,000 UNITS US TREASURY NOTES DTD 11/15/2012 1.625% 11/15/2022	MATURITY	150,000.00	150,000.00-
12/31/22	168,851.780-	MM0000099 NET WITHDRAWAL FNWM MONEY MARKET	NET CASH MGMT	168,851.78	168,851.78-
TOTAL SALES AND MATURITIES				**418,851.78**	**418,324.78-**

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
NON CASH ACTIVITY					
10/14/22	125,000.000	3133EC2C7 RECEIVED 125,000 UNITS FFCB DTD 11/02/2012 2.13% 11/09/2023 EFFECTIVE 10/13/2022	SECURITY RCVD		124,070.45
10/14/22	125,000.000	3133ECG73 RECEIVED 125,000 UNITS FFCB CONS BD DTD 02/14/2013 2.33% 02/21/2024 EFFECTIVE 10/13/2022	SECURITY RCVD		120,717.50
10/14/22	125,000.000	3133EFNW3 RECEIVED 125,000 UNITS FFCB DTD 11/05/2015 2.5% 01/13/2025 EFFECTIVE 10/13/2022	SECURITY RCVD		126,017.72
10/14/22	100,000.000	3133ED6R8 RECEIVED 100,000 UNITS FFCB DTD 10/29/2013 2.93% 11/07/2022 EFFECTIVE 10/13/2022	SECURITY RCVD		99,473.00
10/14/22	200,000.000	3130A8XY4 RECEIVED 200,000 UNITS FHLB CONS BD DTD 08/01/2016 1.875% 09/11/2026 EFFECTIVE 10/13/2022	SECURITY RCVD		206,207.43
10/14/22	125,000.000	3133833R0 RECEIVED 125,000 UNITS FHLB CONS BD DTD 05/06/2013 2.5% 05/30/2023-2013 EFFECTIVE 10/13/2022	SECURITY RCVD		124,271.25
10/14/22	150,000.000	3130AN4T4 RECEIVED 150,000 UNITS FHLB CONS BD DTD 07/01/2021 .875% 06/12/2026 EFFECTIVE 10/13/2022	SECURITY RCVD		151,221.47
10/14/22	200,000.000	91282CBL4 RECEIVED 200,000 UNITS US TREASURY NTS DTD 02/03/2021 1.125% 02/15/2031 EFFECTIVE 10/13/2022	SECURITY RCVD		189,904.40
10/14/22	150,000.000	912828TY6 RECEIVED 150,000 UNITS US TREASURY NOTES DTD 11/15/2012 1.625% 11/15/2022 EFFECTIVE 10/13/2022	SECURITY RCVD		150,043.79
10/14/22	200,000.000	91282CEC1 RECEIVED 200,000 UNITS US TREASURY NTS DTD 02/17/2022 1.875% 02/28/2027 EFFECTIVE 10/13/2022	SECURITY RCVD		195,343.75
10/14/22	200,000.000	912828K74 RECEIVED 200,000 UNITS US TREASURY NOTES DTD 08/15/2015 2% 08/15/2025 EFFECTIVE 10/13/2022	SECURITY RCVD		197,046.88
10/14/22	200,000.000	91282CAB7 RECEIVED 200,000 UNITS US TREASURY NTS DTD 07/23/2020 .25% 07/31/2025 EFFECTIVE 10/13/2022	SECURITY RCVD		197,687.50
10/14/22	150,000.000	9128284X5 RECEIVED 150,000 UNITS US TREASURY NOTES DTD 08/23/2018 2.75% 08/31/2023 EFFECTIVE 10/13/2022	SECURITY RCVD		149,847.66
10/14/22	100,000.000	9128284Z0 RECEIVED 100,000 UNITS US TREASURY NOTES DTD 08/23/2018 2.75% 08/31/2025 EFFECTIVE 10/13/2022	SECURITY RCVD		99,432.31

TRANSACTION DETAIL (CONTINUED)

DATE	QUANTITY	DESCRIPTION	TRANSACTION TYPE	CASH	COST BASIS
10/14/22	150,000.000	91282CCW9 RECEIVED 150,000 UNITS US TREASURY NTS DTD 08/19/2021 .75% 08/31/2026 EFFECTIVE 10/13/2022	SECURITY RCVD		149,711.97
10/14/22	200,000.000	91282CCJ8 RECEIVED 200,000 UNITS US TREASURY NTS DTD 06/17/2021 .875% 06/30/2026 EFFECTIVE 10/13/2022	SECURITY RCVD		201,780.87
TOTAL NON CASH ACTIVITY				**0.00**	**2,482,777.95**
12/31/22		**ENDING BALANCE**		**0.00**	**2,834,541.85**

FOR YOUR INFORMATION

Maine Uniform Trust Code - Limitation of Action against a Trustee

Pursuant to Maine law (M.R.S. Title 18-B, Sec. 1005), you have one year from your receipt of this accounting or report to make an objection to any item set forth in the accounting or report. Any objection you make must be in writing; it must be delivered to the Trustee within the period stated above; and it must state your objection. Your failure to deliver a written objection to the Trustee within the period stated above will permanently prevent you from later asserting this objection against the Trustee. If you have any questions or would like to discuss your account, please contact your account administrator.

Message for IRA Owners

This statement reflects the year-end fair market value of your IRA. This information will be provided to the IRS on Form 5498. The IRS will also be provided with the amount of your RMD (required minimum distribution) for 2023 if you are 72 years of age or older. You will receive a separate statement from us by January 31st indicating the amount of your RMD.

Eligible Costs Incurred, Proposed for Environmental Trust Reimbursement for FY23 — Source of Proposed Reimbursement

						Category of Stormwater Management Cost									
Date	Invoice #	Paid	Vendor	Purpose	Expense	Maintenance	Compliance Documentation	Supplies	Contracted Services	Training/ Travel	Principal	Income	Receipt	Date to Env. Trust	Account #
7/11/22	29994	7/13/22	Plymouth Engineering, Inc.	Summer St. Storm Drain	$ 6,188.00				$ 6,188.00			$ 6,188.00	Y	12/1/2022	10-10-22-01
7/18/22	43843	7/27/22	Jimar Construction Products, LLC	Culvert	$ 336.25			$ 336.25				$ 336.25	Y	12/1/2022	10-10-22-01
7/18/22	6265-22	7/27/22	Dirigo Materials	Rip-Rap	$ 124.05			$ 124.05				$ 124.05	Y	12/1/2022	10-10-22-01
8/17/22	30128	9/14/22	Plymouth Engineering, Inc.	Summer St. Storm	$ 1,178.00				$ 1,178.00			$1,178.00	Y	12/1/2022	10-10-22-01
9/2/22	5887029	9/14/22	Hammond Lumber Co.	Smoke House - Fire Station - PSAF	$ 178.16			$ 178.16				$ 178.16	Y	12/1/2022	05-05-30-20
9/2/22	6069562	11/16/22	Everett J. Prescott Inc.	Mountain View Dr.	$ 558.76			$ 558.76				$ 558.76	Y	12/1/2022	60-10-10-20
10/4/22	2022825	10/12/22	Centerline Utility Inc	Stormwater Investigation	$ 618.75				$ 618.75			$ 618.75	Y	12/1/2022	10-10-22-05
10/12/22	68002349-6265-22	11/2/22	Dirigo Materials	Rip-Rap	$ 125.82			$ 125.82				$ 125.82	Y	12/1/2022	10-10-22-01
10/18/22	7004	11/2/22	Whitmore Contracting, Inc.	Rip-Rap & Site Work	$ 1,826.00			$ 576.00	$ 1,250.00			$ 1,826.00	Y	12/1/2022	10-10-22-01
10/21/22	1022122		DuBois & King	Sucker Brook Design	$ 1,204.00				$ 1,204.00			$ 1,204.00	Y	12/1/2022	10-10-22-01
10/28/22	2022-1212	11/2/22	SEE, Inc	Engineering Consulting	$ 11,375.57		$ 11,375.57					$ 11,375.57	Y	12/1/2022	10-10-22-05
10/31/22	7718-5		Sherman-Williams Bangor Store	Storm Drain Marking	$ 353.00			$ 353.00				$ 353.00	Y	12/1/2022	10-10-22-01
11/1/22	22L-1176	11/17/22	Lee's Concrete Inc.	Marina Road	$ 980.00			$ 780.00	$ 200.00			$ 980.00	Y	12/1/2022	10-10-22-01
11/14/22	7096	11/17/22	Whitmore Contracting, Inc.	Coldbrook Culvert Replacement	$ 12,500.00				$ 12,500.00			$ 12,500.00	Y	12/1/2022	10-10-22-01
4/12/22	153246	5/11/22	Buxton Service North, Inc.	DUPLICATE INVOICE	$ (526.12)			$ (526.12)				$ (526.12)	Y	3/2/2023	10-10-22-01
8/30/22	* 5874080 *	9/14/22	Hammond Lumber Co.	Smoke House - Fire Station - PSAF	$ 741.22			$ 741.22				$ 741.22	Y	3/2/2023	05-05-30-20
10/12/22	*04-2698999*	11/2/22	Clean Harbors	PFAS	$ 6,259.52				$ 6,259.52			$ 6,259.52	Y	3/2/2023	05-05-30-20
9/15/22	922087		DuBois & King	Sucker Brook Design	$ 3,710.00				$ 3,710.00			$ 3,710.00	Y	3/2/2023	10-10-22-01
11/15/22	4886546		Viking Inc.	Main Road - Culverts	$ 777.48			$ 777.48				$ 777.48	Y	3/2/2023	10-10-22-01
1/4/23	6250840		Hammond Lumber Co.	Ice and Watersheild	$ 211.10			$ 211.10				$ 211.10	Y	3/2/2023	10-10-22-10
1/9/23	1050		Bangor Area Storm Water Group	Annual Dues	$ 4,000.00		$ 4,000.00					$ 4,000.00	Y	3/2/2023	10-10-22-05
1/16/23	2022-1280		SEE, Inc	MS4 Compliance.	$ 4,023.50		$ 4,023.50					$ 4,023.50	Y	3/2/2023	10-10-22-05
2/13/23	8100000006		City of Bangor	Sucker Brook Geomorphis	$ 8,112.50		$ 8,112.50					$ 8,112.50	Y	3/2/2023	10-10-22-05
											1-351-00	R 01-48			
											$ -	$ 64,855.56			

* *The Environmental Trust Committee voted at their 12/01/2022 meeting to hold invoice #5874080 for $834.53 and reduce that invoice by $93.31 and hold invoice #04-2698999 for $6,259.52 for payment until the next meeting.* * *This changed the reimbursement amount from $44,640.41 to $37,546.36.*

YTD reimbursed to General Fund: $ 37,546.36

Total Proposed for Reimbursement to General Fund 03/02/2023 $ 27,309.20

Total Proposed in Current Fiscal Year for Reimbursement to General Fund: $ 64,855.56

	YTD	Deposit to:	
Total from Principal		1-351-00	HCB
Total from Income	$ 64,885.53	R 01-48	Env Tr Rev
Budgeted revenue	$ 142,580.00	*FY23 Town Budget*	
Remaining budgeted revenue (FY22)	$ 77,694.47		

Source: Wanda Libbey, CED Administrative Assistant ***Updated 02/16/2023***

Printed: 4/8/2022 7:18:33 AM
Store: 1

Sales Receipt #153246

4/8/2022
Page 1

Received By:

APR 13 2022

Buxton Service North, Inc.
P.O. Box 296
Brooks, ME 04921
1-207-525-3289
1-800-499-3289
Fax 1-207-525-6503

Go through gate + bear right. Put with other culverts.

Bill To:
Hampden Town of
106 Western Ave.
Hampden, ME 04444

Item Name	Item Description	Attribute	Size	Orig Price	Disc % Type	Qty	Price	Ext Price	Tax
12"x20' Plastic Culvert	CULVERT: 12"x20' Plastic Culvert			$257.49	7.96%	2	$236.99	$473.98	T

	Subtotal:	$473.98
Local Sales Tax	5.5 % Tax:	+ $26.07
	RECEIPT TOTAL:	**$500.05**

Account: $500.05

Signature _____
I agree to pay above amount according to card issuer agreement (merchant agreement if credit voucher).

Total Deposit Taken: $0.00
Balance Outstanding: $0.00

Total Sales Discounts: $41.00

Previous Account Balance: $0.00
Account Balance: $500.05

Town Garage - Deliver to 365 Canaan Rd. Hampden
Call Before Delivery

From Sales Order #178902

Thanks for shopping with us!
No Returns After 30 Days

153246

Acct. No. 10-10-22-01 - per Ralph
Date 4.14.22
Initials MM
Description Storm Water Repairs

Wanda Libbey <wanda@hampdenmaine.gov>

next environmental trust request

1 message

David Johnson <david@hampdenmaine.gov> Wed, Dec 21, 2022 at 2:39 PM
To: Wanda Libbey <Wanda@hampdenmaine.gov>, Paula Scott <townmanager@hampdenmaine.gov>

Wanda and Paula,

The auditor discovered a double payment of an invoice that was posted in prior year. We withdrew from the trust $32,064.33, but this was $526.12 (500.05 plus another 26.07 in tax we paid) more than it should have been due to the double payment. I have completed the journal entries to fix this in trio, but we need to deduct $526.12 from the next environmental trust withdrawal to account for my journals. Basically, if we have $1,000 to request for withdrawal from the trust we will ask the trustees to approve the $1,000 worth of invoices less the $526.12 since we already have this money.

$1,000 in invoices approved
-$526.12 already withdrawn erroneously
=473.88 withdrawal from the trust

Let me know if this doesn't make sense

--

David Johnson
Deputy Treasurer
106 Western Ave
Hampden, ME 04444
(207)862-8183

Prepared by_____

Reviewed by_____

TOWN OF HAMPDEN
Adjusting Journal Entries

Reference	Type	Date / Account Number	Description	Debit	Credit	Net Income Effect	Workpaper
7	Adjusting	06/30/22					
		1191.00	ACCOUNTS RECEIVABLE		16,011.70		
		1191.00	ACCOUNTS RECEIVABLE		5,733.14		
		1199.03	DUE FROM ENVIRONMENTAL	21,744.84			
						0.00	
			TO RECLASSIFY BALANCE DUE FROM ENVIRONMENTAL TRUST FROM A/R TO DUE ET				
8	Adjusting	06/30/22					
		Invoice #153246					
		1199.03	DUE FROM ENVIRONMENTAL		500.05		
		2014.80	ENVIRONMENTAL TRUST - IN(	500.05			
		1199.03	DUE FROM ENVIRONMENTAL		26.07		
		2014.80	ENVIRONMENTAL TRUST - IN(	26.07			
						(526.12)	
			TO CORRECT CK FOR 32,064.33 THAT INCLUDES 500.05 REIMBURSED 2X AND 26.07 REIMB FOR SALES TAX THAT WAS NOT PAID FROM G/F				
9	Adjusting	06/30/22					
		1199.03	DUE FROM ENVIRONMENTAL	6,188.00			
		2014.80	ENVIRONMENTAL TRUST - IN(		6,188.00		
						6,188.00	
			TO RECORD ADDITIONAL TRANSFER DUE FROM ENVIRONMENTAL TRUST FOR AP CHECK PAID IN JULY, POSTED TO FY 22 EXP				
		TOTAL		28,458.96	28,458.96	5,661.88	

Hammond Lumber Company

BANGOR

Charge Invoice

Received By:

SEP 06 2022

Invoice	**5874080**
Date	**08/30/2022**
Customer#	1052519
Order #	33117480
Shipment	1
Your Ref	PUBLIC WORKS
Taken By	CHIP CLARK BGR X112
Sales Rep	WILLIAM MOLLOY BGR X124

TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME, 04444

128

05-05-2020 - Conservation Trust Smoke House - Firestation

TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME, 04444

BILLING OFFICE 1-800-439-2354 (207) 495-3303

Line	Product	Qty	U/M	Description	Price	U/M	Total
1	DAP18268	1	EA	SEALANT,BLACK ROOF ASPHALT BASED	9.99	EA	9.99 D
2	112GR5	1	PKG	5# 1-1/2" GALVANIZED ROOF NAIL	26.66	PKG	26.66 D
3	RSPRO8134	1	BKT	#8X1 3/4" R4 GRK SCREW STARHEAD PRO-PAK APPROX 925 PC BURGUNDY LABEL - R4 MULTI-PURPOSE	71.10	BKT	71.10 D
4	RSPRO9318	1	BKT	#9X3 1/8" R4 GRK SCREW STARHEAD PRO-PAK APPROX 425 PC BURGUNDY LABEL - R4 MULTI-PURPOSE	71.10	BKT	71.10 D
5	04508170011	2	EA	TS-11 FOLDING SAWHORSE OR EBCO SS-29 GALVANIZED	46.655	EA	93.31 D
6	6610PT	2	EA	PRESSURE TREATED 6X6-10' 2/10	65.50	EA	131.00 D
7	2410KS	6	EA	2X4-10' K.D. SPRUCE 6/10	8.3217	EA	49.93 D
8	2412PT	12	EA	PRESSURE TREATED 2X4-12' 12/12	17.0775	EA	204.93 D
9	1225AF	1	RL	12"X25' .013 ALUMINUM FLASHING STANDARD - FULL ROLLS ONLY **DO NOT ALLOW CONTACT WITH TREATED LUMBER*	22.36	RL	22.36 D
10	JCW	2	PC	5/8"X12'6" WHITE J-CHANNEL PEBBLE FINISH 40 PC/BOX	9.72	PC	19.44 D

Hammond Lumber Company

BANGOR

Charge Invoice

Invoice 5874080
Date 08/30/2022

TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME, 04444

Customer# 1052519
Order # 33117480
Shipment 1
Your Ref PUBLIC WORKS
Taken By CHIP CLARK BGR X112
Sales Rep WILLIAM MOLLOY BGR X124

TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME, 04444

BILLING OFFICE 1-800-439-2354 (207) 495-3303

Line	Product	Qty	U/M	Description	Price	U/M	Total
11	WAFER	3	EA	4X8 7/16" OSB PANEL 24/16	20.8333	EA	62.50 D
12	90B	1	RL	90# BLACK ROLL ROOFING MINERAL SURFACED 1SQ	72.21	RL	72.21 D

The invoice is due on 10/10/2022. If paid in full on or before 10/10/2022, you may deduct a discount of $83.45 and pay $751.08 Remit to: 2 Hammond Drive Belgrade, ME 04917 or pay online at webtrack.hammondlumber.com

This account is to be paid in full by the 10th of the month following the date of billing, except as stated above. 1 1/2% LATE CHARGE per month after 30 days. (18% ANNUAL RATE). In case of default the purchaser agrees to pay all collection costs including reasonable attorney fees.

Total Amount	$834.53
Sales Tax	$0.00
Invoice Total	$834.53

-93.31
741.22

CleanHarbors
42 Longwater Drive
P.O. Box 9149
Norwell, MA 02061-9149

INVOICE

Invoice No 1004350243

REMIT TO:
Clean Harbors Environmental Services, Inc.
PO Box 734867
Dallas, TX 75373-4867

MDG2022 00000197 00

Chris Bailey
Hampden Town of
106 Western Avenue
Hampden, ME 04444 - 0000

OFFICE:
Clean Harbors Environmental Services, Inc.
40B Carey Circle
Hampden, ME 04444
(781) 792-5000

If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

JOB SITE/GENERATOR:
Hampden Town of
106 Western Avenue
Hampden, ME 04444

EIN: 04-2698999

Job Description: Pour Off Drums

**** Payable in USD funds ****

Last Service Date	Invoice No	Customer	Branch	Sales Order	Purchase Order	Terms
24 Aug 2022	1004350243	HA0743	BG	2110819339	NO PO NEEDED	Net 30 Days

PAID
NOV 02 2022
BY:

Last Service Date	Task	Task Type	Description	Total
24 Aug 2022	2110819339-001	GENERAL	Pour Off Drums	$1,909.30
26 Aug 2022	2110819339-002	DRUM	Disposal	$4,106.22
30 Aug 2022	2110819339-003	GENERAL	Transportation	$244.00

	SUBTOTAL	**$6,259.52**
	TAX	**$0.00**
PLEASE PAY THIS AMOUNT →	**INVOICE TOTAL**	**$6,259.52**
REMIT PAYMENT BY →	**DUE DATE**	**11 Nov 2022**

PLEASE NOTE: YOUR PAYMENT REMIT TO ADDRESS HAS CHANGED.
For electronic payments via ACH/Wire please see updated banking information in separate cover.

05.05.30.20

PFAS

000000 01 01 000197 000299 P

Interest will be charged at a rate of 1.5% per month for all past due amounts.

INVOICE
Invoice No 1004350243

42 Longwater Drive
P.O. Box 9149
Norwell, MA 02061-9149

REMIT TO:
Clean Harbors Environmental Services, Inc.
PO Box 734867
Dallas, TX 75373-4867

OFFICE:
Clean Harbors Environmental Services, Inc.
40B Carey Circle
Hampden, ME 04444
(781) 792-5000
If you have any questions regarding this invoice, please contact your customer service representative at the telephone number listed above

Chris Bailey
Hampden Town of
106 Western Avenue
Hampden, ME 04444 - 0000

JOB SITE/GENERATOR:
Hampden Town of
106 Western Avenue
Hampden, ME 04444

EIN: 04-2698999

Job Description: Pour Off Drums

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PLEASE PAY THIS AMOUNT →	**INVOICE TOTAL**	**$6,259.52**
REMIT PAYMENT BY →	**DUE DATE**	**11 Nov 2022**

PLEASE NOTE: YOUR PAYMENT REMIT TO ADDRESS HAS CHANGED.
For electronic payments via ACH/Wire please see updated banking information in separate cover.

Interest will be charged at a rate of 1.5% per month for all past due amounts.

Invoice Date: 12 Oct 2022

PLEASE RETURN A COPY OF INVOICE WITH PAYMENT - THANK YOU

42 Longwater Drive
P.O. Box 9149
Norwell, MA 02061-9149

INVOICE

Invoice No 1004350243

TASK 2110819339-001 - Pour Off Drums

Manifest Info	Item ID	Description	Manifest Qty	Manifest UOM	Billing Qty	Billing UOM	Unit Price	Amount
		24 Aug 2022						
	TKUTIL	Stake Body/Utility Truck			8.000	HR	40.0000	$320.00
	FT	Field Technician			8.000	HR	56.0000	$448.00
	FT	Field Technician			8.000	HR	56.0000	$448.00
	DM55CSTL	55 G / 205 L Closed Steel Drum, Recon 1A1/Y1.4/100 (17-E)			3.000	EA	77.0000	$231.00
	DMFLEXBN	Flexbin, 1 Cubic Yard Flexbin 11G/Y/2022/1122			1.000	EA	118.0000	$118.00
	FEE	Recovery Fee			1,565.000	EA	0.2200	$344.30
							SUBTOTAL	**$1,909.30**
							TAX	**$0.00**
							TASK TOTAL	**$1,909.30**

TASK 2110819339-002 - Disposal

Manifest Info	Item ID	Description	Manifest Qty	Manifest UOM	Billing Qty	Billing UOM	Unit Price	Amount
		24 Aug 2022						
016924201FLE 1	DISPSL / CCRK	AERO-FOAM XL3 FIRE FIGHTING FOAM containers CH2435587	1	FBIN	1.000	FBIN	2,040.5000	$2,040.50
016924200FLE 1	DISPSL / A22K	AERO-FOAM XL3 FIRE FIGHTING FOAM CH2423626	3	55DM	3.000	55DM	335.0000	$1,005.00
	PROFILE1	Profile Fee for Profile No: CH2423626 - AERO-FOAM XL3 FIRE F			1.000	EA	75.0000	$75.00
		26 Aug 2022						
	EMANIFEST	E-Manifest Fee			1.000	EA	20.0000	$20.00
016924206FLE 1	DISPSL / FB3	Paint Related Waste Liquids CH2423658	1	16DM	1.000	16DM	148.0000	$148.00
	FEE-TRAN	Maine Hazardous Waste Transporters Fee			75.000	P	0.0300	$2.25
	PROFILE1	Profile Fee for Profile No: CH2423658 - Paint Related Waste			1.000	EA	75.0000	$75.00
	FEE	Recovery Fee			3,365.750	EA	0.2200	$740.47
							SUBTOTAL	**$4,106.22**
							TAX	**$0.00**
							TASK TOTAL	**$4,106.22**

TASK 2110819339-003 - Transportation

Item ID	Description	Fixed Price Amount	Percent Complete	Billable Amount
	30 Aug 2022			
FIXD	Transportation	200.0000	100%	$200.00
FEE	Recovery Fee	0.2200		$44.00
			SUBTOTAL	**$244.00**
			TAX	**$0.00**
			TASK TOTAL	**$244.00**

DuBois & King inc.

Received By:

SEP 15 2022

Attn: Scott, Paula
Re: Hampden Stream Crossing Structure Design

Hampden, Town of
106 Western Ave
Hampden, ME 04444

September 15, 2022
Invoice No: 922087
Project No: 628077L1

TERMS: Net 30 days from invoice date, 1.5% per month charged thereafter.
For Services Rendered Through 9/8/2022

Professional Services

	Contract Amount	% Work to Date	Amount Billable	Previous Billings	Current Amount
01 - Preliminary Design	$30,100.00	10.00%	$3,010.00	$0.00	$3,010.00
02 - 60% Design	$13,740.00	0.00%	$0.00	$0.00	$0.00
03 - Final Design	$8,680.00	0.00%	$0.00	$0.00	$0.00
04 - Bid Assistance	$2,940.00	0.00%	$0.00	$0.00	$0.00
05 - Project Completion	$840.00	0.00%	$0.00	$0.00	$0.00
06 - Subconsultants	$10,050.00	0.00%	$0.00	$0.00	$0.00
07 - Reimbursable Expenses	$1,400.00	0.00%	$0.00	$0.00	$0.00
08 - Maine DEP 319 Stream Crossing Grant Proposal	$7,000.00	10.00%	$700.00	$0.00	$700.00
09 - CA Services	$8,650.00	0.00%	$0.00	$0.00	$0.00
Total	**$83,400.00**		**$3,710.00**	**$0.00**	**$3,710.00**

Invoice Amount **$3,710.00**

Please remit payment to: PO Box 339, Randolph, VT 05060

Acct. No. 10-10-22-01
Date 9/20/22
Initials VLS
Description Stocker Brook DESIGN

Received By:

DEC 0 5 2022

COPY

12/1/2022 06:07 AM TO:12078625067 FROM:2073381235 Page: 2

Customer Statement Image Customer: 028222 - Town of Hampden Statement:135 Generated at 12/1/2022 3:59:00AM

VIKING

Sales Invoice

Sales Order	24449275
Invoice No	4886546
Invoice Date	11/15/22 9:02 AM
Order Type	[illegible]
Customer	[illegible]
Your Ref	Ralph - Charles [illegible]
Created By	James [illegible]

Invoice Address
Town of Hampden
Attention Tammy
106 Western Avenue
Hampden, ME 04444

Delivery Address
Town of Hampden
[illegible] Canaan Rd
Hampden

Product	Description	Qty/Footage	Price	Per	Total
9914	18"X 20' ADS N12 (B.C.) VERT ARTW SMOOTH-WA INTER OR NO COUPLING NEEDED	2 ea	388.74	ea	777.48

In the event the Buyer's obligations or [illegible] this invoice are enforced through a collection agency or attorney with or without suit or any other proceedings, Buyer agrees to pay all collection costs or reasonable attorney fees of [illegible]% or the [illegible]

Total Amount	777.48
Sales Tax	0.00
Invoice Total	777.48

BELFAST (207) [illegible] — BLUE HILL (207) [illegible] — HANCOCK (207) [illegible] — HOLDEN (207) [illegible] — LINCOLNVILLE (207) [illegible]

MACHIAS (207) [illegible] — MILBRIDGE (207) [illegible] — WATERVILLE (207) [illegible] — WARREN (207) [illegible]

Mailing Address PO Box B, Belfast, ME 04915

Acct. No. 10-10-2201
Date 12.6.22
Initials M.
Description Marian Rd.

Hammond Lumber Company

BANGOR

Charge Invoice

Invoice 6250840
Date 01/04/2023

Received By:
JAN 30 2023

TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME, 04444

Customer#	1052519
Order #	35000910
Shipment	1
Your Ref	PUBLIC WORKS RUTH AV
Taken By	JIM POLAND BGR X3338
Sales Rep	WILLIAM MOLLOY BGR X124

COPY

TOWN OF HAMPDEN
106 WESTERN AVE
HAMPDEN, ME, 04444

BILLING OFFICE 1-800-439-2354 (207) 495-3303

Line	Product	Qty	U/M	Description	Price	U/M	Total
1	AIWS	1	RL	GRACE 225 SF ICE AND WATERSHIELD 3' X 75' ROLL	211.10	RL	211.10D

Acct. No. 10-10-22-10
Date 1.30.23
Initials MJ
Description Stormwater

The invoice is due on 02/10/2023.
If paid in full on or before 02/10/2023, you may deduct a discount of $21.11 and pay $189.99

This account is to be paid in full by the 10th of the month following the date of billing, except as stated above. 1 1/2% LATE CHARGE per month after 30 days. (18% ANNUAL RATE). In case of default the purchaser agrees to pay all collection costs including reasonable attorney fees.

Total Amount	$211.10
Sales Tax	$0.00
Invoice Total	$211.10

Bangor Area Storm Water Group

59 Main St
Orono, ME 04473 US
+1 2078896908
kdrexler@orono.org

Received By:
JAN 1 1 2023

Received By:
JAN 1 1 2023

INVOICE

COPY

Received By:
JAN 1 1 2023

BILL TO
Town of Hampden
106 Western Ave
Hampden ME 04444

INVOICE	1050
DATE	01/09/2023
TERMS	Net 30
DUE DATE	02/08/2023

SERVICE	DESCRIPTION	QTY	RATE	AMOUNT
Annual Assessment	Annual Assessment for BASWG Membership	1	4,000.00	4,000.00

Make all checks payable to Bangor Area Stormwater Group
Employer Identification Number (EIN): 56-2585669

Please mail checks to the Orono Town Office at 59 Main St, Orono, ME 04473, attention Kyle Drexler

Summary of Assessment
City of Bangor: $6,000
City of Brewer:: $4,000
Town of Hampden: $4,000
Town of Milford: $3,000
City of Old Town: $4,000
Town of Orono: $4,000
Town of Veazie: $3,000
University of Maine: $4,000
Maine Air National Guard: $1,600
UMA - Bangor: $1,600
Eastern Maine Community College: $1,600
Dorothea Dix Psychiatric Center: $1,600
TOTAL: $38,400

Acct. No. 10-10-22-05
Date 1.12.23
Initials AD
Description Annual Dues

BALANCE DUE **$4,000.00**

Stillwater Environmental Engineering, Inc.
PO Box 426
Orono, ME 04473 US
207-949-0074
pruck@stillwaterenv.com
http://www.stillwaterenv.com

COPY

Received By:
JAN 17 2023

BILL TO
Victor Smith P.E.
Public Works Director
Town of Hampden
106 Western Avenue
Hampden, ME 04444

INVOICE 2022-1280

DATE 01/16/2023 TERMS Net 15

DUE DATE 01/31/2023

DATE	ACTIVITY	AMOUNT
12/31/2022	**Engineering Consulting Services:Senior Project Manager/Senior Environmental Engineer** Tasks: * Client correspondence * Client meeting (12/14) * Meet with MDEP and Town staff to discuss Sucker Brook (10/4) * Review LID ordinance compliance items with staff * Participate in statewide discussions of LID Ordinance model revisions and compliance requirements * Review PY1 action items with staff * Review IDDE memo to MDEP, 5.5 @ $115.00	632.50
12/31/2022	**Engineering Consulting Services:Project Manager** Tasks: * Prepare Marina Road emergency stabilization documentation * OF-3-CBR IDDE memo preparation * Assist with SS Manhole renaming process * MDEP LID ordinance response review, 2 @ $95.00	190.00
12/31/2022	**Engineering Consulting Services:Project Scientist** Tasks: * Assist with MS4 outfall mapping updates and correspondence with CAI * Assist MS4 catch basin inspection summaries * Assist with MDEP memo for MS4 IDDE investigation, * Review stormwater GIS layers * MS4 post construction inspection preparation * CFUP modifications, modification request letter to MDEP * SPCC plan updates for Public Works * Environmental compliance organization, filing MS4 related documents, prep MS4 and SPCC binders * Client meetings and preparation * Assist with MS4 outfall inspection summaries * LID Ordinance review, 31 @ $80.00	2,480.00

Thank you for your business!

DATE	ACTIVITY	AMOUNT
12/31/2022	**Engineering Consulting Services:Intern** Tasks: * Assist with MS4 Post construction inspection report preparation * Assist with Sewer mapping 360 photos, renaming 360 photos * Assist with Environmental compliance folder organization, new permit plan filing, 9.5 @ $50.00	475.00
12/31/2022	**Travel Expenses** Mileage, 30 @ $0.70	21.00
12/31/2022	**Technology Fee 1** Monthly Fulcrum App Charge for October, November, and December, 3 @ $75.00	225.00

For professional services provided by SEE for the period of October 1 through December 31, 2022.

TOTAL DUE	$4,023.50

10-10-22-05
VLS 1/17/23
MS4 Compliance

Thank you for your business!

Received By:

FEB 15 2023

CITY OF BANGOR

INVOICE: 8100000006 PAGE 1
DATE: Feb 13, 2023 OF 1

SERVICE: STORM WATER
CUSTOMER PO:
CUSTOMER PH:
TERMS: 30 DAYS

DUE DATE: Mar 15, 2023

CUSTOMER NO: 0000159706

HAMPDEN, TOWN OF
PUBLIC WORKS DIRECTOR
106 WESTERN AVE
HAMPDEN, ME 04444

SERVICE ADDRESS:

HAMPDEN, TOWN OF
106 WESTERN AVE
HAMPDEN, ME 04444

DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE	TAX
REIMBURSEMENTS SUCKER BROOK GEOMORPHIC ASSESS 50/50 COST SHARING/FIELD GEOLOGY	1.00	8,112.500	8,112.50	N

PAID
FEB 16 2023
BY:

Acct. No. 10-10-22-05
Date 2/15/23
Initials VLS
Description SUCKER BROOK GEOMORPHIC ASSESSMENT

TOTAL CHARGES:	8,112.50
TOTAL TAX:	0.00
TOTAL INVOICE:	8,112.50
PAYMENTS:	0.00
ADJUSTMENTS:	0.00
TOTAL DUE:	8,112.50

Make All Checks Payable to: City of Bangor, 73 Harlow Street, Bangor, Maine 04401

Invoice

Field Geology Services, LLC
PO Box 824
Portland, ME 04104
EIN: 27-1615153
207-491-9541
jfield@field-geology.com

Date	Invoice #
6/11/2022	2022-35

V#13650

OKAY-TO-PAY
Date: 6/13/2022 P.O. 20220908
Dept: SW
Acct #8103-73010000
Dept Head Signature
Purchasing Dept Initials

Bill To

City of Bangor
Richard May
73 Harlow Street
Bangor, ME 04401

P.O. No.	Terms	Project
	Net 30	Sucker Brook

Quantity/Hours	Description	Rate	Amount
2	Review existing materials and past studies of Sucker Brook	150.00	300.00
10	Reach delineation & identify conditions w/ ME IF&W protocol	150.00	1,500.00
1.5	Walk selected sites to discuss surveying needs	150.00	225.00
1.5	Attend walk of survey sites	100.00	150.00
8	Topographic survey and pebble counts of 4 sites @ 4 hours/site	100.00	800.00
8	Assistance with survey	60.00	480.00
1	Scheduling, communication, and meetings	150.00	150.00
4	2 4-hour roundtrips from Portland, ME @ reduced hourly rate (John Field)	100.00	400.00
4	1 4-hour roundtrip from Portland, ME @ reduced hourly rate (Nic Miller)	70.00	280.00
1	10% of labor cost for field equipment, mileage, etc.	428.50	428.50
		Total	$4,713.50

Invoice

Field Geology Services, LLC
PO Box 824
Portland, ME 04104

EIN: 27-1615153
207-491-9541
jfield@field-geology.com

Date	Invoice #
11/13/2022	2022-60

OKAY-TO-PAY
Date: 11/14/2022 P.O. #20220908
Dept: ENG.
Acct # 8103-730000
Dept Head Signature: DWL
Purchasing Dept Initials

Bill To
City of Bangor Richard May 73 Harlow Street Bangor, ME 04401

P.O. No.	Terms	Project
20220908	Net 30	Sucker Brook

Quantity/Hours	Description	Rate	Amount
2	Reach delineation & identify conditions w/ ME IF&W protocol	150.00	300.00
1.5	Walk selected sites to discuss surveying needs	150.00	225.00
1.5	Attend walk of survey sites	100.00	150.00
8	Topographic survey and pebble counts of 4 sites @ 4 hours/site	100.00	800.00
8	Assistance with survey	60.00	480.00
2	Reduce data and draft maps	100.00	200.00
1	Review survey data	150.00	150.00
1	Scheduling, communication, and meetings	150.00	150.00
4	2 4-hour roundtrips from Portland, ME @ reduced hourly rate (John Field)	100.00	400.00
4	1 4-hour roundtrip from Portland, ME @ reduced hourly rate (assistant)	40.00	160.00
1	10% of labor cost for field equipment, mileage, etc.	301.50	301.50
		Total	$3,316.50

PAID

RRM

Invoice

Field Geology Services, LLC
PO Box 824
Portland, ME 04104

EIN: 27-1615153
207-491-9541
jfield@field-geology.com

Date	Invoice #
2/10/2023	2023-03

OKAY-TO-PAY
Date: 2/13/2023 P.O. _____
Dept: ENG
Acct # 8103-733010000

Dept Head Signature

Purchasing Dept Initials

Bill To

City of Bangor
Richard May
73 Harlow Street
Bangor, ME 04401

P.O. No.	Terms	Project
PO 20220908	Net 30	Sucker Brook

Quantity/Hours	Description	Rate	Amount
2	Online review of topos & aerials to identify changes through time	150.00	300.00
6	Reduce data and draft maps	100.00	600.00
1	Review survey data	150.00	150.00
16	Create concept designs for 4 priority sites @ 4 hrs/site	150.00	2,400.00
6	Assist with illustrations, materials lists, and estimated costs	100.00	600.00
16	Discuss effects of stormwater management practices	150.00	2,400.00
4	Assist with figure development	100.00	400.00
4	Scheduling, communication, and meetings	150.00	600.00
1	10% of labor cost for field equipment, mileage, etc.	745.00	745.00
		Total	$8,195.00

RRM

SME
SEVEE & MAHER
ENGINEERS

4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 • Fax: 207.829.5692
info@smemaine.com
smemaine.com

January 6, 2023

Molly King, Director
Division of Technical Services
Maine Department of Environmental Protection
Bureau of Remediation and Waste Management
17 State House Station
Augusta, Maine 04333-0017

Subject: Pine Tree Landfill
Fall 2022 Leachate Sampling and Testing for Perfluoroalkyl and Polyfluoroalkyl Substances

Dear Ms. King:

Please find enclosed the results of the Fall 2022 leachate sampling and testing for Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) completed at the Pine Tree Landfill in Hampden, Maine as required per the Maine Department of Environmental Protection's (MEDEP) *Leachate Sampling and Testing Requirements for PFAS* letter dated September 1, 2021.

Sevee & Maher Engineers (SME) obtained a representative leachate sample on November 17, 2022 from the above ground leachate storage tank. The sample was collected in accordance with the MEDEP Draft PFAS sampling guidance (dated March 9, 2021 and provided as Attachment 1 in the letter referenced above) to prevent cross contamination of the sample and ensure sample integrity and data usability.

The sample was received by Alpha Analytical, one of MEDEP's prequalified PFAS laboratories, the day it was collected and was subsequently analyzed for twenty-nine PFAS parameters. The laboratory report notes the samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis.

The November 2022 PFAS sampling data is presented in the following attachments:

1. Tabularized field parameters and PFAS results;
2. November 2022 field data sheets including SME's PFAS protocol checklist and sample data record; and
3. Alpha Analytical laboratory report in pdf format.

An electronic data deliverable will be sent directly to the MEDEP as required. The next leachate PFAS sampling event is scheduled for April 2023.

If you have any questions on the information attached to this letter, please feel free to contact us.

Sincerely,

SEVEE & MAHER ENGINEERS, INC.

Rhonda M Forrester

Rhonda Forrester, P.E.
Project Manager

Attachments

Electronic cc: Wayne Boyd - NEWSME
Jeff Pelletier – NEWSME
Justin Foran – NEWSME
Matthew Burke - Maine Department of Environmental Protection

ATTACHMENT 1

FIELD PARAMETERS AND PFAS DATA TABLES

SME
SEVEE & MAHER
ENGINEERS

SUMMARY REPORT

Leachate Tank PFAS Part 1 of 2

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(PTL LEACHATE TANK) Date	Type	Sample ID	PFAS, Total (6) ng/L	PFOA ng/L	PFNA ng/L	PFHxS ng/L	PFHpA ng/L	PFOS ng/L	PFDA ng/L	PFBS ng/L	PFBA ng/L	PFHPS ng/L	PFHXDA ng/L	PFHxA ng/L	PFNS ng/L	ADONA ng/L	6:2FTS ng/L
PTL LEACHATE TANK																	
12/7/2021	XX	LTXXXXBE9	2110	1020	112	182	515	230	51	747	762	6.87	4.19 U	923	2.09 U	2.09 U	66
4/11/2022	XX	LTLEAXBGG	1800	890	97.2	162	417	198 J2	40.7	745	771	5.26	3.84 U	835	1.92 U	1.92 U	72.7
11/17/2022	XX	LTLEAXBJ6	2710	1350	135	251	598	292	82.7	1150	1060	10 U	20 U	1210	10 U	10 U	97.9
QCFB																	
12/7/2021	XX	FBXXXXBE8	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	3.71 U	1.85 U	1.85 U	1.85 U	1.85 U
4/11/2022	XX	FBXXXXBGH	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	3.64 U	1.82 U	1.82 U	1.82 U	1.82 U
11/17/2022	XX	FBXXXXBJ7	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	3.54 U	1.77 U	1.77 U	1.77 U	1.77 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J2 - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

U - Not Detected above the laboratory reporting limit.

SUMMARY REPORT

Leachate Tank PFAS Part 2 of 2

SEVEE & MAHER ENGINEERS, INC.
4 BLANCHARD ROAD
CUMBERLAND CENTER, ME 04021

(PTL LEACHATE TANK) Date	Type	Sample ID	PFOSA ng/L	NMEFOSAA ng/L	NETFOSAA ng/L	PFPES ng/L	PFPeA ng/L	PFDS ng/L	8:2FTS ng/L	4:2FTS ng/L	PFUNA ng/L	PFODA ng/L	PFDOA ng/L	PFTA ng/L	HFPO-DA ng/L	PFTRDA ng/L
PTL LEACHATE TANK																
12/7/2021	XX	LTXXXXBE9	6 J2	51.5	47.4	26.4 J2	628	2.09 U	65.8	3.14	11.6	4.19 U	11.4	2.58	52.4 U	2.09 U
4/11/2022	XX	LTLEAXBGG	4.65 J2	35	33.6	23.4 J2	587	1.92 U	62	3.28	4.34	3.84 U	4.67	1.92 U	48 U	1.92 U
11/17/2022	XX	LTLEAXBJ6	10 U	45	49.2 J2	30	793	10 U	52.4	10 U	13.2	20 U	17.1	10 U	250 U	10 U
QCFB																
12/7/2021	XX	FBXXXXBE8	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	1.85 U	3.71 U	1.85 U	1.85 U	46.4 U	1.85 U
4/11/2022	XX	FBXXXXBGH	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	1.82 U	3.64 U	1.82 U	1.82 U	45.5 U	1.82 U
11/17/2022	XX	FBXXXXBJ7	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	1.77 U	3.54 U	1.77 U	1.77 U	44.2 U	1.77 U

Notes: TYPE - Sample Type Qualifier where D = Duplicate Sample.

Blank Cells appear when a parameter was not analyzed.

Concentration Qualifier Notes:

J2 - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

U - Not Detected above the laboratory reporting limit.

ATTACHMENT 2

NOVEMBER 2022 FIELD DATA SHEETS

SME
SEVEE & MAHER
ENGINEERS

SME
SEVEE & MAHER ENGINEERS
4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 / Fax: 207.829.5692
smemaine.com

SAMPLE DATA RECORD
LEACHATE

SITE ID: PTL
SAMPLE DATE: 11/17/22
SAMPLE LOCATION: PTL LEACHATE TANK
SAMPLE TIME: 1130
SAMPLE ID: LTLEAXBJ6
SAMPLER: PAS

WATER/STRUCTURE SAMPLED: Manhole
DEPTH AT SAMPLE SITE: From tubing
COLLECTION METHOD: Grab
DEPTH OF SAMPLE: From tubing
DECONTAMINATED: ☑ YES ☐ NO
FLOW RATE/VELOCITY: 100 mls

INSTRUMENTS CALIBRATED (date): 11/17/22

DUPLICATE SAMPLE COLLECTED: ☐ Yes ☑ No **IF YES, SAMPLE ID:** NA

PFAS SAMPLE COLLECTED: ☑ Yes ☐ No (see page 2 and 3 for specific protocol checklist)

SAMPLE APPEARANCE / ODOR: Slight brown

TEMPERATURE : 8.7 °C

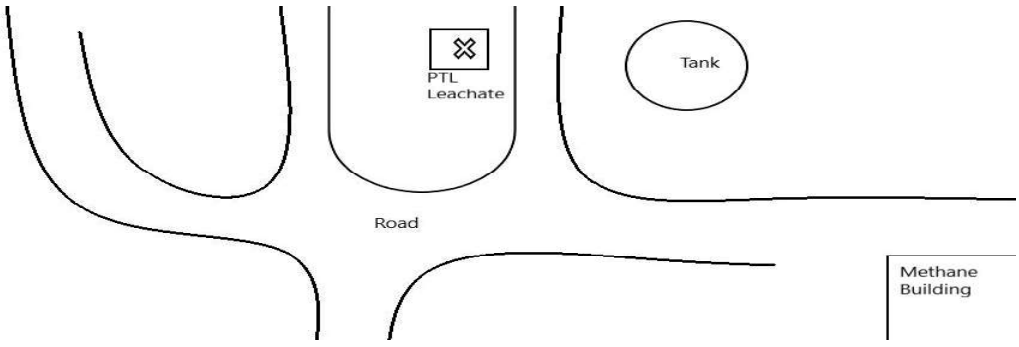
pH: 7.2 SU

SPECIFIC CONDUCTANCE: 9180 µmhos/cm

NOTES:

QCFB FBXXXXBJ7
Time:700

LOCATION SKETCH:



PFAS protocol checklist

☑ Nitrile powderless gloves

☑ Sample area clear of possible PFAS contaminants

☑ All surfaces touching sample bottle are PFAS free

☑ No contact with inside of sample bottle and bottle cap

☑ Sample bottle kept sealed and only opened during sample collection

☑ New gloves used before sample bottles touched and filled

☑ Label attached after bottles are filled / use ball point pen

☑ Field blank taken prior to sample collected / new gloves used

☑ use ice in Ziploc bag for sample preservation

☑ Each sample has its own cooler

☑ Decontamination with PFAS free water when material used across multiple locations

☑ PFAS free clothing and footwear worn

☑ No bug repellent or cosmetics used containing PFAS

Field Clothing and Personal Protective Equipment

• Do not wear clothing or boots containing Gore-Tex®.

• Wear new nitrile gloves.

• Wet weather gear should be made of polyurethane and polyvinylchloride (PVC) only.

• Wear safety boots made from polyurethane and PVC.

• Do not use materials containing Tyvek® or polytetrafluoroethylene (PTFE), also known as Teflon®.

• Do not use fabric softener on clothing to be worn in field.

• Do not use cosmetics, moisturizers, hand cream, or other related products the morning of sampling.

• Do not use prohibited sunscreen or insect repellant. See Do's and Don'ts table below for more information.

Food Considerations

• No food or drink allowed on-site with exception of bottled water.

Field Equipment

• Must not contain Teflon® (aka PTFE) or low-density polyethylene (LDPE) materials.

• All sampling materials must be made from stainless steel, high-density polyethylene (HDPE), acetate, silicone, or polypropylene.

• No waterproof field books can be used.

• No plastic clipboards, binders, or spiral hard cover notebooks can be used.

• Sharpies® and permanent markers not allowed; regular ball point pens are acceptable.

• Keep PFAS samples in separate cooler, away from sampling containers that may contain PFAS

• Coolers filled with regular ice only - Do not use chemical (blue) ice packs.

Sample Containers

• All sample containers must be polypropylene.

• Caps must be unlined polypropylene (no Teflon®-lined caps)

Equipment Decontamination

• Have "PFAS-free" water on-site for decontamination of sample equipment. No other water sources are to be used.

• Only Alconox® and Liquinox® can be used as decontamination materials.

SME
SEVEE & MAHER ENGINEERS

4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 Fax: 207.829.5692

sme-engineers.com info@sme-engineers.com

PFAS

CHAIN-OF-CUSTODY RECORD

CLIENT:	PROJECT NAME: PTL	PROJECT P.O.: 220049.02
REPORT TO: Dave Maher	ADDRESS: See Above	
INVOICE TO:	ADDRESS: " "	
SAMPLED BY: [PRINT] Peter Sevee	SIGNATURE:	

FILTERED (Y / N) N
PRESERVED
ANALYSIS REQUIRED: EPA 537 | Fld. Dup. 1

LEGEND FOR PRESERVATIVE
1 - 4° Celsius
2 - HCL
3 - HNO_3
4 - H_2SO_4
5 - $Na_2SO_3 + H_2SO_4$
6 - NaOH
7 - ZnOAc

ITEM	SAMPLE IDENTIFICATION	COLLECTION DATE	COLLECTION TIME	COMPOSITE OR GRAB	W - Water L - Liquid S - Solid	TOTAL NUMBER OF CONTAINERS									REMARKS	LAB SAMPLE NUMBER
1	FBXXXXBJ7	11-17-22	700	G	W	2	2								See pg 2 of 2 For	
2	LTLEAXBJ6	11-17-22	1130	G	W	2	2								Codes Method/ INFO	
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

RELINQUISHED BY:	DATE: 11-17-22	TIME: 1300	RECEIVED BY: Kat	DATE: 11-17-22	TIME: 1300
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:

ATTACHMENT 3

ALPHA ANALYTICAL LABORATORY REPORTS

SME
SEVEE & MAHER
ENGINEERS

ANALYTICAL REPORT

Lab Number:	L2264931
Client:	Sevee & Maher Engineers, Inc. 4 Blanchard Road P.O. Box 85A Cumberland Center, ME 04021
ATTN:	Dave Maher
Phone:	(207) 829-5016
Project Name:	PTL
Project Number:	220049.02
Report Date:	12/20/22

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2264931-01	FBXXXXBJ7	WATER	Not Specified	11/17/22 07:00	11/17/22
L2264931-02	LTLEAXBJ6	WATER	Not Specified	11/17/22 11:30	11/17/22

Project Name:	PTL	**Lab Number:**	L2264931
Project Number:	220049.02	**Report Date:**	12/20/22

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2264931-01, -02, WG1717379-1 and WG1717379-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2264931-02: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Alycia Mogayzel

Title: Technical Director/Representative Date: 12/20/22

ORGANICS

SEMIVOLATILES

Project Name: PTL
Project Number: 220049.02
Lab Number: L2264931
Report Date: 12/20/22

SAMPLE RESULTS

Lab ID: L2264931-01
Client ID: FBXXXXBJ7
Sample Location: Not Specified

Date Collected: 11/17/22 07:00
Date Received: 11/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/03/22 02:15
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 11/30/22 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.77	--	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.77	--	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.77	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	1.77	--	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.77	--	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	1.77	--	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.77	--	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.77	--	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.77	--	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.77	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.77	--	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.77	--	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.77	--	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.77	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.77	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	1.77	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.77	--	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.77	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.77	--	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.77	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.77	--	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.77	--	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.77	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.77	--	1
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND		ng/l	44.2	--	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	1.77	--	1
Perfluorohexadecanoic Acid (PFHxDA)	ND		ng/l	3.54	--	1

Project Name: PTL **Lab Number:** L2264931

Project Number: 220049.02 **Report Date:** 12/20/22

SAMPLE RESULTS

Lab ID: L2264931-01 Date Collected: 11/17/22 07:00

Client ID: FBXXXXBJ7 Date Received: 11/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctadecanoic Acid (PFODA)	ND		ng/l	3.54	--	1
PFAS, Total (6)	ND		ng/l	1.77	--	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	113		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**147**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	119		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	115		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	97		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	118		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	67		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	98		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	115		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	104		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	138		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	124		10-206

Project Name: PTL
Project Number: 220049.02
Lab Number: L2264931
Report Date: 12/20/22

SAMPLE RESULTS

Lab ID: L2264931-02
Client ID: LTLEAXBJ6
Sample Location: Not Specified

Date Collected: 11/17/22 11:30
Date Received: 11/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/03/22 02:31
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 11/30/22 07:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	1060		ng/l	10.0	--	1
Perfluoropentanoic Acid (PFPeA)	793		ng/l	10.0	--	1
Perfluorobutanesulfonic Acid (PFBS)	1150		ng/l	10.0	--	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	10.0	--	1
Perfluorohexanoic Acid (PFHxA)	1210		ng/l	10.0	--	1
Perfluoropentanesulfonic Acid (PFPeS)	30.0		ng/l	10.0	--	1
Perfluoroheptanoic Acid (PFHpA)	598		ng/l	10.0	--	1
Perfluorohexanesulfonic Acid (PFHxS)	251		ng/l	10.0	--	1
Perfluorooctanoic Acid (PFOA)	1350		ng/l	10.0	--	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	97.9		ng/l	10.0	--	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	10.0	--	1
Perfluorononanoic Acid (PFNA)	135		ng/l	10.0	--	1
Perfluorooctanesulfonic Acid (PFOS)	292		ng/l	10.0	--	1
Perfluorodecanoic Acid (PFDA)	82.7		ng/l	10.0	--	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	52.4		ng/l	10.0	--	1
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	10.0	--	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	45.0		ng/l	10.0	--	1
Perfluoroundecanoic Acid (PFUnA)	13.2		ng/l	10.0	--	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	10.0	--	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	10.0	--	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	49.2	F	ng/l	10.0	--	1
Perfluorododecanoic Acid (PFDoA)	17.1		ng/l	10.0	--	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	10.0	--	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	10.0	--	1
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND		ng/l	250	--	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	10.0	--	1
Perfluorohexadecanoic Acid (PFHxDA)	ND		ng/l	20.0	--	1

Project Name: PTL **Lab Number:** L2264931

Project Number: 220049.02 **Report Date:** 12/20/22

SAMPLE RESULTS

Lab ID: L2264931-02 Date Collected: 11/17/22 11:30

Client ID: LTLEAXBJ6 Date Received: 11/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctadecanoic Acid (PFODA)	ND		ng/l	20.0	--	1
PFAS, Total (6)	2710		ng/l	10.0	--	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**328**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**248**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**171**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	124		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	120		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	103		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	108		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	127		10-206

Project Name: PTL
Project Number: 220049.02
Lab Number: L2264931
Report Date: 12/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/02/22 22:06
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 11/30/22 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1717379-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	--
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	--
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/l	2.00	--
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	--
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/l	2.00	--
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	--
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	--
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	--
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	--
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	--
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	--
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	--
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	--
Perfluorononanesulfonic Acid (PFNS)	ND		ng/l	2.00	--
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	--
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	--
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	--
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	--
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	--
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	--
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	--
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND		ng/l	50.0	--
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/l	2.00	--

Project Name: PTL **Lab Number:** L2264931

Project Number: 220049.02 **Report Date:** 12/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 12/02/22 22:06
Analyst: PS

Extraction Method: ALPHA 23528
Extraction Date: 11/30/22 07:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-02 Batch: WG1717379-1					
Perfluorohexadecanoic Acid (PFHxDA)	ND		ng/l	4.00	--
Perfluorooctadecanoic Acid (PFODA)	ND		ng/l	4.00	--
PFAS, Total (6)	ND		ng/l	2.00	--

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**134**	Q	70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**150**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	120		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	114		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	126		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	121		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	123		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	120		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	128		10-206

Lab Control Sample Analysis
Batch Quality Control

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1717379-2								
Perfluorobutanoic Acid (PFBA)	95		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	96		-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	101		-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	98		-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	103		-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	99		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	116		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	102		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	117		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	98		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	104		-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	119		-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	83		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	123		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	97		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		67-153	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: PTL

Project Number: 220049.02

Lab Number: L2264931

Report Date: 12/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1717379-2								
Perfluorotridecanoic Acid (PFTrDA)	117		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	108		-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	105		-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	109		-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	25		-		10-119	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 Batch: WG1717379-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	128				70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**145**	Q			12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	113				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	122				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	120				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	63				5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	112				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	111				22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	119				10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	132				10-206

Matrix Spike Analysis

Batch Quality Control

Project Name: PTL

Project Number: 220049.02

Lab Number: L2264931

Report Date: 12/20/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1717379-3 QC Sample: L2264690-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	83.8	39.4	125	105		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	ND	39.4	39.4	100		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	35	34.7	99		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	37	38.4	104		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	ND	39.4	38.9	99		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	37.1	40.2	108		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	39.4	39.3	100		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	36	39.7	110		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	ND	39.4	40.9	104		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	37.5	40.6	108		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	37.6	47.2	126		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	ND	39.4	41.9	106		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	36.6	45.3	124		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	39.4	41.0	104		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	37.8	35.8	95		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	37.9	45.4	120		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	39.4	41.6	106		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	39.4	34.6	88		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	38.1	45.7	120		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	39.4	39.2	100		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	39.4	34.2	87		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	39.4	39.2	100		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: PTL

Project Number: 220049.02

Lab Number: L2264931

Report Date: 12/20/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1717379-3 QC Sample: L2264690-02 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	39.4	47.1	120		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	39.4	44.5	113		-	-		59-182	-		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	384	487	127		-	-		57-162	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	37.3	39.2	105		-	-		69-143	-		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	39.4	45.7	116		-	-		40-167	-		30
Perfluorooctadecanoic Acid (PFODA)	ND	39.4	16.9	43		-	-		10-119	-		30

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	100				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**144**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103				14-147
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	91				10-165
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	121				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	110				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102				22-136
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	116				10-206

Matrix Spike Analysis

Batch Quality Control

Project Name: PTL

Project Number: 220049.02

Lab Number: L2264931

Report Date: 12/20/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1717379-3 QC Sample: L2264690-02 Client ID: MS Sample												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	22				5-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	129				70-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1717379-4 QC Sample: L2264690-03 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/l	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/l	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/l	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/l	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid-Linear (L-PFOS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1717379-4 QC Sample: L2264690-03 Client ID: DUP Sample						
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	ND	ND	ng/l	NC		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	ND	ng/l	NC		30
Perfluorohexadecanoic Acid (PFHxDA)	ND	ND	ng/l	NC		30
Perfluorooctadecanoic Acid (PFODA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		81		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	128		129		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**144**	Q	**143**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		89		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		89		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		119		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		103		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		82		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		86		62-124

Lab Duplicate Analysis
Batch Quality Control

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1717379-4 QC Sample: L2264690-03 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		101		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		109		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		11		5-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	76		83		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		97		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		94		22-136
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-13C3-Propanoic Acid (M3HFPO-DA)	96		102		10-165
Perfluoro[13C2]Hexadecanoic Acid (M2PFHxDA)	119		112		10-206

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2264931-01A	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-ME-537ISOTOPE-28+(14)
L2264931-02A	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-ME-537ISOTOPE-28+(14)
L2264931-02B	Plastic 250ml unpreserved	A	NA		3.1	Y	Absent		A2-ME-537ISOTOPE-28+(14)

*Values in parentheses indicate holding time in days

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: PTL
Project Number: 220049.02

Lab Number: L2264931
Report Date: 12/20/22

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Project Name:	PTL	**Lab Number:**	L2264931
Project Number:	220049.02	**Report Date:**	12/20/22

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	PTL	**Lab Number:**	L2264931
Project Number:	220049.02	**Report Date:**	12/20/22

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	PTL	**Lab Number:**	L2264931
Project Number:	220049.02	**Report Date:**	12/20/22

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	PTL	**Lab Number:**	L2264931
Project Number:	220049.02	**Report Date:**	12/20/22

REFERENCES

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

11/19/22

SME
SEVEE & MAHER ENGINEERS
4 Blanchard Road, P.O. Box 85A
Cumberland, ME 04021
Tel: 207.829.5016 Fax: 207.829.5692
sme-engineers.com info@sme-engineers.com

PFAS

L2264931

CHAIN-OF-CUSTODY RECORD

CLIENT:	PROJECT NAME: PTL	PROJECT P.O.: 220049.02
REPORT TO: Dave Maher	ADDRESS: See Above	
INVOICE TO:	ADDRESS:	
SAMPLED BY: [PRINT] Peter Sevee	SIGNATURE:	

FILTERED (Y / N): N
PRESERVED
ANALYSIS REQUIRED: EPA 537.1 (SGL PAL)

LEGEND FOR PRESERVATIVE
1 - 4° Celsius
2 - HCL
3 - HNO_3
4 - H_2SO_4
5 - $Na_2SO_3 + H_2SO_4$
6 - NaOH
7 - ZnOAc

ITEM	SAMPLE IDENTIFICATION	COLLECTION DATE	COLLECTION TIME	COMPOSITE OR GRAB	W - Water L - Liquid S - Solid	TOTAL NUMBER OF CONTAINERS		REMARKS	LAB SAMPLE NUMBER
1	FBXXXXBJ7	11-17-22	700	G	W	2	2	See pg 2 of 2 For Codes Method/ INFO	-01
2	LTLEAXBJ6	11-17-22	1130	G	W	2	2		-02
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

	DATE	TIME		DATE	TIME
RELINQUISHED BY:	11-17-22	1300	RECEIVED BY:	11-17-22	1300
RELINQUISHED BY:	11/18/22	9:11	RECEIVED BY:	11/18/22	9:11
RELINQUISHED BY: AAL	11/18/22	1510	RECEIVED BY: AAL	11/18/22	1510

CHAIN-OF-CUSTODY FORM AAL 11/18/22 18:00

A CHAIN-OF-CUSTODY IS REQUESTED WITH EACH SET OF SAMPLES

Tom Hansick AAL 11/18/22 20:40 11/18/22 2040 Tom Hansick AAL 11/18/22 R. MacKay 11/19/22 0600

R. MacKay 11/19/22 0720 R. MacKay 11/19/22 0720 AAL

Rev. 2022

ALPHA Pt2 Qrtly Leachate

Pg 20 of

ANALTICAL METHOD LIST FOR SELECTED SAMPLES

Pinetree Landfill

Code	Name	# Bottles	Bottle Size	Preservative	Filtered	Hold Time (days)
Round: 148						
EPA 537.1 ISO. DILL.	EPA 537.1 LCMSMS ISOTOPE DILLUTION METHOD- SEE ATTACHED TABLE 1	2	250 ML(P)	4C	No	14