

PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION | : Please refer | to your Mass DEP W | ater Q | uality Samp | iling Sc | hedule | (WQSS) to h | elp c | omplete this | form |
|-----------------------------------|------------|---|-----------------------------|----------|---------------------------------------|-----------------|-------------------------------|----------------------------------|----------|-------------------|----------------------|
| PWS ID #: | 33 | 15000 | | | City / T | own: | WAY | LAND | | | |
| PWS Name: | W | AYLAND WAT | ER DEPARTMENT | • | | | PWS Class: COM NTNC TNC | | | | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass DEP Location Name | | | | Sam | Sample Information | | | Date Collected | Collected By |
| RW-09G | BALDV | _DWIN POND WELL #1 | | | | ☐ (M) 図 (S)i | | (R)aw (F)inishe | d | 1/14/20 | J. Worthington |
| | | | | | | | If Res | ubmitted Repo | ort, lis | st below: | |
| Routine or Special Sample | | Original, Resubmitted or Confirmation Report (1) Reason | | | (1) Reaso | 1 for Res | ubmiss | ion | (2 |) Collection Dat | e of Original Sample |
| □RS □SS | ⊠ Ori | ginal 🗌 Resubmitt | ed 🗌 Confirmation | ☐ Re | esample 🔲 Re | апаlysis | ☐ Repo | rt Correction | | | |
| SAMPLE NOTES | – Such as, | if a Manifold/Multip | ile sample, list the source | e(s) tha | t were on-line | iuring sa | mple col | lection. | | - Landay - | |
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| II. ANALYTIC | AL LABO | DRATORY INF | ORMATION: | | | | S. Vije (S.) Su seu sa sa | | | | |
| Primary Lab Co | ert. #: | M-MA1118 | Primary Lab Nam | e: N | ASHOBA ANA | ALYTICA | L, | | | Subcontr | acted? (Y/N) Y |
| Analysis Lab C | ert. #: | M-IN035 | Analysis Lab Nam | e: E | UROFINS – E | ATON A | NALYTIC | AL | | | |
| if Analysis Lab | | | DEP or U.S. EPA, | | | | | | | | |
| Lab Meti | 10d | Date Extract | ted Date Analyzed | La | b Sample ID# | | | E NOTES - Inc ditional contam | | | whether sample was |
| EPA 53 | 7.1 | | | | 210915-1 | | | | | | |

| | | Repor | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | Ø | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | ⊠ | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | ⊠ | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | ⊠ | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | × | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | Ø | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | × | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | AAAA II | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⋈ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | _ | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | **** | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | - M | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

conditions.
³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS | ID#: 3315000 | | Lab Samp | Lab Sample ID#: | | | 210915-1 | | |
|--|--|--|----------------------|---|--|--|------------|--|--|
| | | | | | | | | | |
| | | | Report | t One of the Foll | ORSG1 | MRL ² | | | |
| CAS# | | O AND UNREGULATED CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L | | |
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| The minimur | m reporting level (MRL) is the | OA, PFOS, PFHxS, PFNA, and P lowest concentration of the subst zed and reported on a separate F | ance tested that can | pe reported ret | lably under no | | ory | | |
| The minimur anditions. A field reage | n reporting level (MRL) is the ent blank (FRB) must be analy show if attaching lab report to | lowest concentration of the subst | ance tested that can | added togethe be reported rel | r. iably under no | | ory | | |
| The minimur nditions. A field reage | n reporting level (MRL) is the ent blank (FRB) must be analy | lowest concentration of the subst | PFAS form if any PFA | added togethe be reported rel | r. iably under no | | ory | | |
| he minimur nditions. field reage | n reporting level (MRL) is the ent blank (FRB) must be analy show if attaching lab report to | lowest concentration of the subst | PFAS form if any PFA | added togethe be reported rel | r. iably under no | | ory | | |
| The minimur nditions. A field reage | n reporting level (MRL) is the ent blank (FRB) must be analy show if attaching lab report to | lowest concentration of the substitute and reported on a separate F show additional PFAS Surrogate Name | PFAS form if any PFA | added togethe be reported rel S are detected ry (70 – 130%) | r. iably under no | | ory | | |
| The minimur nditions. A field reage | n reporting level (MRL) is the ent blank (FRB) must be analy show if attaching lab report to | lowest concentration of the substitute and reported on a separate F show additional PFAS Surrogate Name SS-HFPO-DA-13C3 | PFAS form if any PFA | added togethe be reported rel &S are detected ry (70 – 130%) | r. iably under no | | ory | | |
| The minimur anditions. A field reage | n reporting level (MRL) is the ent blank (FRB) must be analy show if attaching lab report to | lowest concentration of the substitute and reported on a separate Fishow additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 | PFAS form if any PFA | added together be reported related as are detected by (70 – 130%) 101 | r. iably under no | | ory | | |
| The minimur onditions. A field reage | m reporting level (MRL) is the ent blank (FRB) must be analy box if attaching lab report to eminants tested. | show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-PFDA-13C2 SS-PFHxA-13C2 | % Recover | added togethe be reported rel S are detected ry (70 – 130%) 101 83 88 98 | r. iably under no above the MF | RL. | | | |
| The minimur inditions. A field reage I Check this sults/contar I addition to cludes this | reporting level (MRL) is the ent blank (FRB) must be analy box if attaching lab report to eninants tested. reporting the Surrogate Recosample. These include LRB, L | Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 veries above you must attach the LFB, LFSM and either a FD or LF | % Recover | added together be reported related to some detected as are detected as are detected as a second some detected as a second | above the MF | RL. | batch that | | |
| The minimur inditions. A field reage to the field r | reporting level (MRL) is the ent blank (FRB) must be analy box if attaching lab report to eminants tested. reporting the Surrogate Reconsample. These include LRB, Longenalties of law that I am the persure the information contained hereing best extent of my knowledge. | show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 veries above you must attach the FB, LFSM and either a FD or LFS on authorized to fill out is true, accurate and | % Recover | added together be reported rel as are detected by (70 – 130%) 101 83 88 98 g quality control the method. r Signature: Date: | in the state of th | ne extraction L-Lucas 4-Z0 | batch that | | |
| The minimur inditions. A field reage of the field r | reporting level (MRL) is the ent blank (FRB) must be analy box if attaching lab report to eminants tested. reporting the Surrogate Reconsample. These include LRB, Lopenalties of law that I am the persuit the information contained hereing best extent of my knowledge. | show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 veries above you must attach the FB, LFSM and either a FD or LFS on authorized to fill out | % Recover | added together be reported rel as are detected by (70 – 130%) 101 83 88 98 g quality control the method. r Signature: Date: | iably under no labove the MF | e extraction Lucas 1 - Z 8 0 days after | batch that | | |
| The minimure on ditions. A field reage of the containing a dition to the firm and a dition to the a dition to the a dition to the diff not submit | reporting level (MRL) is the ent blank (FRB) must be analy box if attaching lab report to eminants tested. reporting the Surrogate Reconsample. These include LRB, Lopenalties of law that I am the persuit the information contained hereing best extent of my knowledge. | show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 veries above you must attach the FB, LFSM and either a FD or LFS on authorized to fill out is true, accurate and ity, mail TWO copies of this report or no later than 10 or left than 10 or lef | % Recover | added together be reported rel as are detected by (70 – 130%) 101 83 88 98 g quality control the method. r Signature: Date: | iably under no labove the MF | e extraction L - (Luas 4 - Z b 0 days after er is sooner. | batch that | | |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

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|---------------------------------------|-------------------------------|--|----------------------------|---|--|-------------------------------|---------------------------------|-------------------------------|------------------|-------------------------|----------------------|
| I. PWS INFOR | MATION: | Please refer to y | our Mass DEP W | ater Quality Samp | oling Sc | hedule | (WQSS) to h | elp comp | lete this | form | |
| PWS ID #: | 331 | 15000 | | City / T | own: | WAYL | AND | | | | |
| PWS Name: | WA | YLAND WATER | DEPARTMENT | | | | PWS Class | s: COM | דא 🖂 ו | NC 🗌 | TNC 🗆 |
| Mass DEP LOCATION (LOC) ID# | | Mass DEF | Location Name | | San | ıple Ir | nformatio | n col | Date llected | Coll | ected By |
| RW-07G | BALDWI | N POND WELL | #2 | | ☐ (M) 図 (S) | | (R)aw (F)inishe | ed 1/ | 14/20 | J. Wo | orthington |
| | 1 | | | | | If Resi | ubmitted Rep | ort, list belo | w: | | |
| Routine or Special Sample | | Original, Resubmit Confirmation Rep | ed or oort | (1) Reaso | n for Re | ubmissi | on | (2) Colle | ection Dat | e of Origi | nal Sample |
| □RS □SS | | nal 🗌 Resubmitted [| | ☐ Resample ☐ Re | | | | | | | |
| SAMPLE NOTES | - Such as, if | a Manifold/Multiple sa | ample, list the source | e(s) that were on-line | during sa | mple coll | ection. | | | | |
| C/AIII ZZ 110 / ZZ | | · · · · · · · · · · · · · · · · · · · | | | | | | | | | |
| II. ANALYTIC | | RATORY INFOR | MATION: Primary Lab Nam | e: NASHOBA AN | ALYTICA | ıL. | | | Subcontr | acted? (| Y/N) Y |
| Analysis Lab | | M-IN035 A | nalysis Lab N am | e: EUROFINS - E | ATON A | NALYTIC | AL | | | | |
| If Analysis Lal list certification | b is not cert on authority | tified by MassDEF : | or U.S. EPA, | | | | | | | | |
| Lab Met | thod | Date Extracted | Date Analyzed | Lab Sample ID# | LA dilu | B SAMPL ted or add | E NOTES - Inditional contain | clude inform ninants detec | ation as to | whether s | ample was |
| EPA 5 | 37.1 | 1/23/20 | 1/24/20 | 210915-2 | | | | | | | <u></u> |
| | W | | | | | Pana | t One of the F | -ollowing | | | |
| | DECULATED AND UNDECLUATED | | | | | izehoi | Colle of the f | 7,7047119 | | ORSG1 | MRL ² |

| | | Report | One of the Follo | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|----------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check ♥)</mrl | <1/3MRL (Check ✓) | μg/L | μg/L |
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| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | ⊠ | _ | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | × | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | 41/ | | ⊠ | - | 0.002 |
| | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | | _ | 0.002 |
| 2355-31-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | <u> </u> | | | |
| 763051-92-9 | 1 | | | | <u> </u> | |
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| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | <u> </u> | | | | |
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Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS ID# | : 3315000 | | | Lab Samp | le ID#: | 21 | 0915-2 | |
|---|--|--|--|------------------|---|-----------------------------------|--|------------------|
| | | | | | • | | | |
| | 4 | | 1 | Report | One of the Follows | owing | ORSG1 | MRL ² |
| CAS# | | O AND UNREGULATED CONTAMINANTS | w | Results³ μg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| | ***** | | | | | | | |
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| he minimum re | PRSG is <u>0.070 µg/L</u> for PF0 porting level (MRL) is the blank (FRB) must be analy | lowest concentration of the | He substance to | steu that can i | be reported to | | | tory |
| he minimum re nditions. field reagent b Check this box | eporting level (MRL) is the blank (FRB) must be analy x if attaching lab report to | zed and reported on a se | He substance to | steu that can i | added togethe be reported re | er. iably under no | | tory |
| he minimum re nditions. field reagent b Check this box | eporting level (MRL) is the blank (FRB) must be analy x if attaching lab report to | zed and reported on a se | eparate PFAS fo | orm if any PFA | added togethe be reported re S are detected | er. iably under no | | tory |
| he minimum re nditions. field reagent b Check this box | eporting level (MRL) is the blank (FRB) must be analy x if attaching lab report to | zed and reported on a se show additional PFAS Surrogate Na | eparate PFAS fo | orm if any PFA | added togethe be reported re | er. iably under no | | cory |
| he minimum re nditions. field reagent b Check this box | eporting level (MRL) is the blank (FRB) must be analy x if attaching lab report to | zed and reported on a se | eparate PFAS fo | orm if any PFA | added together be reported re S are detected by (70 - 130%) | er. iably under no | | tory |
| he minimum re nditions. field reagent b Check this box | eporting level (MRL) is the blank (FRB) must be analy x if attaching lab report to | zed and reported on a se show additional PFAS Surrogate Na SS-HFPO-DA- | eparate PFAS for time 13C3 A-d5 | % Recover | added together be reported re S are detected y (70 – 130%) | er. iably under no | | cory |
| The minimum re nditions. A field reagent b | eporting level (MRL) is the blank (FRB) must be analy x if attaching lab report to | zed and reported on a se show additional PFAS Surrogate Na SS-HFPO-DA- | eparate PFAS forme 13C3 A-d5 | % Recover | added together be reported re S are detected by (70 – 130%) 89 | er. iably under no | | tory |
| he minimum re nditions. field reagent b Check this box sults/contamina addition to rep cludes this sam | eporting level (MRL) is the plank (FRB) must be analy a sif attaching lab report to sants tested. Forting the Surrogate Recomple. These include LRB, it | show additional PFAS Surrogate Na SS-HFPO-DA- SS-NEtFOSA SS-PFDA-13 SS-PFHxA-1 veries above you must at | eparate PFAS for the substance teleparate PFAS for the results FD or LFSMD a | % Recover | added together be reported re S are detected y (70 – 130%) 89 81 90 93 g quality contribe method. | er. iably under no d above the Mi | ₹L. | |
| he minimum renditions. field reagent b Check this box sults/contamina addition to rep cludes this sam sertify under pena | eporting level (MRL) is the plank (FRB) must be analy at it attaching lab report to earlie tested. Forting the Surrogate Recomple. These include LRB, Leaties of law that I am the persinformation contained herein | show additional PFAS Surrogate Na SS-HFPO-DA- SS-NEtFOSA/ SS-PFDA-13 SS-PFHxA-1: veries above you must at LFB, LFSM and either a F | eparate PFAS for the substance teleparate PFAS for the results FD or LFSMD a | % Recover | added together be reported re S are detected y (70 – 130%) 89 81 90 93 g quality contribe method. | er. iably under no d above the Mi | ₹L. | |
| he minimum renditions. field reagent b Check this box sults/contamina addition to repcludes this same sertify under penals form and the implete to the best | eporting level (MRL) is the blank (FRB) must be analy a sif attaching lab report to sants tested. Forting the Surrogate Recomple. These include LRB, I latties of law that I am the persist extent of my knowledge. | show additional PFAS Surrogate Na SS-HFPO-DA- SS-NEtFOSA/ SS-PFDA-13 SS-PFHxA-1: veries above you must at LFB, LFSM and either a Finn authorized to fill out is true, accurate and | eparate PFAS for the parate PFAS for the results FD or LFSMD a Primary | % Recover | y (70 – 130%) 89 81 90 93 g quality contrhe method. r Signature: Date: | iably under no dabove the Mi | ne extraction Lucus 4 - 20 0 days after | batch that |
| The minimum renditions. A field reagent be a field reagent field | eporting level (MRL) is the blank (FRB) must be analy a sif attaching lab report to sants tested. Forting the Surrogate Reconcile. These include LRB, I latties of law that I am the persinformation contained hereing st extent of my knowledge. | show additional PFAS Surrogate Na SS-HFPO-DA- SS-NEtFOSA/ SS-PFDA-13 SS-PFHxA-1: veries above you must at LFB, LFSM and either a Finn authorized to fill out is true, accurate and set this report or no later the set of t | eparate PFAS for the parate PFAS for the results FD or LFSMD a Primary | % Recover | y (70 – 130%) 89 81 90 93 g quality contrhe method. r Signature: Date: | iably under no dabove the Mi | ne extraction Lucus 4 - 20 0 days after | batch that |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I PWS INFOR | MATION | Please refer t | to your Mass DEI | ⊇ Wate | er Quality Sampi | lìng Sc | hedule | (WQSS) to h | elp comp | olete this | form |
|--------------------------------------|---------------|-------------------|---------------------------------------|---------------------------------|---------------------|-----------------|-----------|----------------------------------|--------------------------------|------------------|--|
| PWS ID #: | | 5000 | i i i i i i i i i i i i i i i i i i i | Tiple () () provide v we can a | City / To | | WAYL | | | | |
| PWS Name: | | | ER DEPARTME | ENT | | | | PWS Class | : CO | vi 🖾 N | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass | DEP Location Nam | е | | Sam | ıple Ir | nformatio | n c | Date ollected | Collected By |
| RW-06G | BALDWI | N POND WE | LL #3 | | | ☐ (M) ☑ (S)i | | (R)aw (F)inishe | d 1 | /14/20 | J. Worthington |
| Routine or | | Original, Resul | | | H/H/H/IIIII | | | ubmitted Repo | h Helmharman and appropriately | | HARDEN PROPERTY OF THE PROPERT |
| Special Sample | | Confirmation | Report | | (1) Reason | | | ****** | (2) Col | lection Da | ate of Original Sample |
| □RS □SS | ☑ Origi | nal 🗌 Resubmitt | ted Confirmation | | Resample 🗌 Rea | analysis | Repor | t Correction | | | |
| SAMPLE NOTES | – Such as, if | a Manifold/Multip | ole sample, list the so | ource(s) | that were on-line d | uring sa | mple coll | ection. | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | | | | | | | | | | | |
| II. ANALYTIC | AL LABO | RATORY INF | ORMATION: | | | | | 10.2516 <u>: Lescosiboles</u> | | | |
| Primary Lab Co | Γ. | M-MA1118 | Primary Lab N | lame: | NASHOBA ANA | LYTICA | L | | | Subcont | racted? (Y/N) Y |
| Analysis Lab C | Cert.#: | M-IN035 | Analysis Lab N | lame: | EUROFINS - EA | ATON A | NALYTIC | AL | | | |
| If Analysis Lat list certificatio | | | DEP or U.S. EPA | , | | | | | | | |
| Lab Met | hod | Date Extrac | ted Date | | Lab Sample ID# | | | E NOTES - Inc ditional contam | | | o whether sample was |
| EPA 53 | | 1/23/20 | 1/24/20 | | 210915-3 | | | | | | |

| | | Report | One of the Foli | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | × | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0031 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | ⊠ | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | ⊠ | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | ⊠ | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | ⊠ | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0023 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | _ | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⋈ | | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | × | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.
² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS ID | o#: 3315000 | | Lab Samp | le ID#: | 21 | 0915-3 | |
|--|--|--|---|---|--------------------------------|--|------------------|
| | | | | | | | |
| | | | Report | One of the Foll | owing | ORSG1 | MRL ² |
| CAS# | | AND UNREGULATED ONTAMINANTS | Results³ µg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check) | μg/L | μg/L |
| | <u> </u> | , | | | | | .4 |
| | | 1,31 | | | | | |
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| The minimum r | reporting level (MRL) is the lo | A, PFOS, PFHxS, PFNA, and PFH west concentration of the substan ed and reported on a separate PFA | ce tested that can t | e reported rei | lably under no | | ory |
| The minimum renditions. A field reagent Check this be | reporting level (MRL) is the lo blank (FRB) must be analyze ox if attaching lab report to sh | west concentration of the substan | ce tested that can t | added togethe be reported rel | r. iably under no | | ory |
| The minimum r nditions. A field reagent | reporting level (MRL) is the lo blank (FRB) must be analyze ox if attaching lab report to sh | west concentration of the substanced and reported on a separate PF, now additional PFAS | AS form if any PFAS | added togethe be reported rel | r. iably under no | | ory |
| The minimum r nditions. A field reagent | reporting level (MRL) is the lo blank (FRB) must be analyze ox if attaching lab report to sh | west concentration of the substan | AS form if any PFAS | added togethe be reported rel | r. iably under no | | ory |
| The minimum raditions. A field reagent | reporting level (MRL) is the lo blank (FRB) must be analyze ox if attaching lab report to sh | west concentration of the substanced and reported on a separate PF, now additional PFAS Surrogate Name | AS form if any PFAS | added togethe be reported rel S are detected (70 - 130%) | r. iably under no | | ory |
| The minimum renditions. A field reagent Check this be | reporting level (MRL) is the lo blank (FRB) must be analyze ox if attaching lab report to sh | west concentration of the substanced and reported on a separate PFA now additional PFAS Surrogate Name SS-HFPO-DA-13C3 | AS form if any PFAS | added togethe be reported rel S are detected (7 (70 – 130%) | r. iably under no | | ory |
| The minimum r anditions. A field reagent | reporting level (MRL) is the lo blank (FRB) must be analyze ox if attaching lab report to sh | west concentration of the substanced and reported on a separate PF, now additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 | % Recovery | added together be reported rel are detected (70 – 130%) 32 | r. iably under no | | ory |
| The minimum renditions. A field reagent Check this be sults/contaminated addition to reach the sults and the sults are sults. | blank (FRB) must be analyzed blank (FRB) must be analyzed by if attaching lab report to shants tested. porting the Surrogate Recover mple. These include LRB, LF | west concentration of the substance and reported on a separate PF, now additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 eries above you must attach the real of the property of | % Recovery | added together be reported rel are detected (70 - 130%) 32 76 33 82 9 quality control emethod. | r. iably under no above the MF | RL. | |
| The minimum renditions. A field reagent Check this be sults/contaminated addition to rendered this said certify under persis form and the complete to the be- | porting level (MRL) is the lost blank (FRB) must be analyzed by if attaching lab report to shants tested. porting the Surrogate Recover mple. These include LRB, LF analties of law that I am the person is est extent of my knowledge. | swest concentration of the substance and reported on a separate PF, and and reported on a separate PF, and additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 Pries above you must attach the real B, LFSM and either a FD or LFSM and authorized to fill out a true, accurate and | % Recovery | added together be reported rel S are detected (7 (70 - 130%) 32 76 83 82 9 quality control method. Signature: Date: | above the MF | e extraction L-Vuua | patch that |
| The minimum renditions. A field reagent Check this be sults/contaminated addition to rendered this said certify under persis form and the complete to the best of the sults. | porting the Surrogate Recover mple. These include LRB, LF antities of law that I am the person interest extent of my knowledge. | surrogate Name SS-HFPO-DA-13C3 SS-PFDA-13C2 SS-PFHxA-13C2 SS-PFHxA-13C2 Pries above you must attach the real B, LFSM and either a FD or LFSM and strue, accurate and | % Recovery | added together be reported rel S are detected (7 (70 - 130%) 32 76 33 82 9 quality control method. Signature: Date: | above the MF | e extraction L-Luca 4-20 0 days after | batch that |
| The minimum ronditions. A field reagent Check this besults/contamin addition to rencludes this sar certify under per- his form and the complete to the be- If not submittin | porting the Surrogate Recover mple. These include LRB, LF antities of law that I am the person interest extent of my knowledge. | surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHXA-13C2 SIFSM and either a FD or LFSM and authorized to fill out strue, accurate and this report to this report or no later than 10 day | % Recovery | added together be reported rel S are detected (7 (70 - 130%) 32 76 33 82 9 quality control method. Signature: Date: | above the MF | e extraction L-Luca 4-20 0 days after | batch that |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer | to your Mass DEP W | ater Quality Samp | aling Sc | hedule | (WQSS) to h | elp complete this | form |
|-----------------------------------|---------------|--|-----------------------------|--|-----------|-----------------------|---------------|---|---|
| PWS ID #: | 331 | 5000 | | City / T | own: | WAYL | _AND | | |
| PWS Name: | WAY | LAND WAT | ER DEPARTMENT | T | | PWS Class: COM 🛛 NTNC | | | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass DEP Location Name Sample Informatio | | | | n Date Collected | Collected By | | |
| | BALDWI | N POND WE | LL #3 – FIELD BL | ANK | (M) | ngle | (R)aw | | J. Worthington |
| Routine or | | Original, Resul | omitted or | - Self Polyment Hand and and an angular propriet properties of the Self of the | | If Res | ubmitted Repo | | Melderal minimal immunication of representation (Application of American Institution) |
| Special Sample | | Confirmation | Report | (1) Reason | | | | (2) Collection Dat | te of Original Sample |
| □RS □SS | ☑ Origin | nal 🔲 Resubmitt | ed Confirmation | ☐ Resample ☐ Re | analysis | Repor | t Correction | | |
| SAMPLE NOTES | – Such as, if | a Manifold/Multip | ole sample, list the source | e(s) that were on-line | during sa | mple coll | ection. | | |
| | | | | | | | | | |
| II. ANALYTIC | AL LABOR | RATORY INF | ORMATION: | | un on | | | | |
| Primary Lab Co | ert. #: 🔼 | л-MA1118 | Primary Lab Nam | e: NASHOBA ANA | ALYTICA | \L | | Subcontr | acted? (Y/N) Y |
| Analysis Lab C | ert. #: | л-IN035 | Analysis Lab Nam | e: EUROFINS - E | ATON A | NALYTIC | AL | | |
| If Analysis Lab | | | DEP or U.S. EPA, | | | | | | |
| Lab Meti | hod | Date Extract | ted Date Analyzed | Lab Sample ID# | | | | lude information as to nants detected. | whether sample was |
| EPA 53 | 7.1 | 1/27/20 | 1/27/20 | 210915-3FB | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|---------------------------|---|------------------|----------------------------|----------------------|--|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check *)</mrl | <1/3MRL (Check ✓) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | ⊠ | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | ⊠ | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | × | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | × | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | ⊠ | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | ⊠ | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | ., | | ⊠ | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | _ | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | | 0.002 |
| 2355-31-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | | |
| 763051-92-9 | | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | 1 - | | | |
| 919005-14-4 13252-13-6 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | <u> </u> | |

The MassDEP ORSG is <u>0.070 μg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS | iD#: 3315000 | | | Lab Samp | le ID#: | 210915-3F | | |
|----------------------------------|---|--|---------------------------------------|---|--|------------------------------------|-------------------------------|---------------------|
| | | | | | | | | |
| | | | | Report | One of the Foll | owing | ORSG1 | MRL ² |
| CAS# | | AND UNREGULATED CONTAMINANTS | | Results³ μg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
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| ☐ Check this | s box if attaching lab report to a | show additional PFAS | | | | | | |
| 103ulia/00llion | | Surrogate Na | me | % Recover | y (70 – 130%) | | | |
| | | SS-HFPO-DA- | | | 95 | | | |
| | | SS-NEtFOSA | | | 87 | | | |
| | | SS-PFDA-13 | C2 | | 94 | | | |
| | | SS-PFHxA-1 | 3C2 | | 102 | | | |
| includes this | reporting the Surrogate Reco sample. These include LRB, I | .FB, LFSM and either a r | D OI ELOIMD 43 | apcomed in t | g quality contro he method. r Signature: | | ne extraction | batch that |
| this form and complete to the | penalties of law that I am the pers the information contained herein e best extent of my knowledge. | is true, accurate and | • | | Date: | 2-1 | 4-20 | |
| If not subm | itting these results electronical month in which you receive | lly, mail <u>TWO</u> copies of the distribution of | nis report to you han 10 days afte | MassDEP Report the end of the | egional Office he reporting pe | no later than 1 eriod, whicheve | 0 days after er is sooner. | the end of the |
| MassDEP R | EVIEW STATUS (Initial & Dat | e) | Review | | | | | ☐ WQTS Data Entered |
| ☐ Accepted | I ☐ Disapprov | ed Co | mments | | | | | Data Efficied |
| | | | | | | | | |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION | l: Please refer t | o your Mass DEP W | ater Quality Sai | npling So | hedule | (WQSS) to h | ielp complete i | this form | |
|---------------------------------------|-------------------------|--------------------------|----------------------------|-----------------------|----------------|------------|------------------------|---------------------------------------|--|------------|
| PWS ID #: | 33 | 315000 | | City | Town: | WAYI | LAND | | *1000 | www. |
| PWS Name: | W | AYLAND WAT | ER DEPARTMENT | - LINA - LINA | |] | PWS Class | s: COM 🛚 | NTNC ☐ TNC ☐ | |
| Mass DEP LOCATION (LOC) ID# | | Mass | DEP Location Name | | San | nple Ir | nformatio | Date Collecte | d Collected By | |
| 20005 | BALD\ | WIN POND WT | P - FINISHED | | ⊠ (M) □ (S) | ingle | ☐ (R)aw ☐ (F)inishe | | J. Worthingto | n |
| Routine or | | Original, Resub | mitted or | | | If Res | ubmitted Rep | ort, list below: | grave property of the field of a second and respect to the field as a second | dururlukuk |
| Special Sample | | Confirmation | | (1) Rea | son for Re | submissi | on | (2) Collection | n Date of Original Samp | ile |
| ☐ RS ☐ SS | ⊠ Or | iginal 🗌 Resubmitt | ed Confirmation | ☐ Resample ☐ | Reanalysis | ☐ Repo | rt Correction | | | |
| SAMPLE NOTES | – Such as, | if a Manifold/Multip | le sample, list the source | e(s) that were on-lin | ne during sa | imple coll | ection. | | | |
| | | | | | | | | | | |
| II. ANALYTIC | AL LAB | ORATORY INF | ORMATION: | | | | | | | |
| Primary Lab Co | ert. #: | M-MA1118 | Primary Lab Nam | e: NASHOBA A | NALYTICA | \L_ | | Subc | ontracted? (Y/N) | Υ |
| Analysis Lab C | ert.#: | M-IN035 | Analysis Lab Nam | e: EUROFINS - | EATON A | NALYTIC | AL | | | |
| if Analysis Lab list certification | is not con n authori | ertified by Massi tv: | DEP or U.S. EPA, | | | | | | | |
| Lab Meti | hod | Date Extract | ed Date Analyzed | Lab Sample II | | | | clude information inants detected. | as to whether sample wa | ıs |
| EPA 53 | 7.1 | 1/23/20 | 1/24/20 | 210915-4 | | | | | | |
| | | | | | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check *)</mrl | <1/3MRL (Check ▼) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | Ø | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0022 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | ⊠ | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | ⊠ | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | Ø | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | ⊠ | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | ⊠ | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | × | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | Ø | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS ID#: | 3315000 | | | Lab Samp | ole ID#: | 21 | 10915-4 | |
|---|---|---|---|------------------|--|--|--|------------------|
| | | | | Report | t One of the Foll | owing | ORSG ¹ | MRL ² |
| CAS# | | AND UNREGULATED ONTAMINANTS | | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| | | | And And | | | | | |
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| | AMV | | | | | | | |
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| | | | | | . — | . – | | |
| he minimum reporti | G is <u>0.070 µg/L</u> for PFO ting level (MRL) is the k k (FRB) must be analyz | west concentration (| of the substance to | sted that can | added togethe | r. iably under no | | ory |
| The minimum report nditions. A field reagent blank | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | ed and reported on a | or the substance เ | sted that can | added togethe | r. iably under no | | cory |
| ne minimum report aditions. field reagent blank Check this box if a | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | ed and reported on a | of the substance to | orm if any PFA | added togethe be reported rel | r. iably under no | | cory |
| he minimum report nditions. field reagent blank Check this box if a | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | ed and reported on a | of the substance to a separate PFAS f | orm if any PFA | added togethe | r. iably under no | | cory |
| he minimum report nditions. field reagent blank Check this box if a | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | ed and reported on a now additional PFAS Surrogate | n separate PFAS f | orm if any PFA | added togethe be reported rel as are detected ry (70 – 130%) | r. iably under no | | cory |
| he minimum report nditions. field reagent blank Check this box if a | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | ed and reported on a now additional PFAS Surrogate SS-HFPO-D | Name DA-13C3 | orm if any PFA | added together be reported related as are detected are reported related are reported related as a related are reported as a related as a related are reported as a related are related as a related are re | r. iably under no | | cory |
| he minimum reporti nditions. A field reagent blank | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | ed and reported on a now additional PFAS Surrogate SS-HFPO-D SS-NEtFOS | Name DA-13C3 SAA-d5 | orm if any PFA | radded together be reported related as are detected by (70 – 130%) | r. iably under no | | cory |
| the minimum reporting | ting level (MRL) is the k k (FRB) must be analyz attaching lab report to s | surrogate SS-HFPO-D SS-PFDA SS-PFHXA | Name DA-13C3 SAA-d5 -13C2 A-13C2 | % Recover | radded together be reported related as are detected as are detected as are detected as a second as a s | r. iably under no above the MF | ₹L. | |
| he minimum reportinditions. field reagent blank Check this box if a sults/contaminants if addition to reporting cludes this sample. ertify under penalties is form and the information in the information | attaching lab report to stested. | surrogate SS-HFPO-D SS-PFDA SS-PFHxA eries above you mus FB, LFSM and either | Name DA-13C3 SAA-d5 -13C2 A-13C2 at attach the result a FD or LFSMD a | % Recover | radded together be reported related as are detected as are detected as are detected as a second as a s | or. iably under no above the MF | ne extraction | |
| he minimum reportinditions. field reagent blank Check this box if a sults/contaminants if addition to reporting cludes this sample. ertify under penalties is form and the informal to the best ext | attaching lab report to stested. In the Surrogate Recov. These include LRB, LF at faw that I am the personation contained herein tent of my knowledge. | surrogate SS-HFPO-D SS-PFDA SS-PFHxA eries above you mus FB, LFSM and either authorized to fill out is true, accurate and | Name DA-13C3 SAA-d5 -13C2 A-13C2 at attach the result a FD or LFSMD a Primary | % Recover | radded together be reported related as are detected as a sec | of results for the way of the later than 1 | ne extraction L Luc L - Zb 0 days after | batch that |
| he minimum reportinditions. field reagent blank Check this box if a sults/contaminants if addition to reportincludes this sample. ertify under penalties is form and the informplete to the best extended from the submitting the montions. | attaching lab report to stested. In the Surrogate Recov. These include LRB, LF at lam the personation contained herein tent of my knowledge. | surrogate SS-HFPO-D SS-PFDA SS-PFHxA eries above you mus FB, LFSM and either an authorized to fill out is true, accurate and this report or no late | Name DA-13C3 SAA-d5 -13C2 A-13C2 at attach the result a FD or LFSMD a Primary | % Recover | radded together be reported related as are detected as a sec | of results for the way of the later than 1 | ne extraction L Luc L - Zb 0 days after | batch that |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer to yo | our Mass DEP W | ater Quality Sam | oling Sc | hedule | (WQSS) to he | elp complete this | form |
|---------------------------------------|-----------------|----------------------|-----------------------|---|---|------------|------------------|-------------------|---|
| PWS ID #: | 331 | 5000 | | City / T | own: | WAYI | _AND | | |
| PWS Name: | WAY | LAND WATER | DEPARTMENT | | | | PWS Class | : COM 🛛 N | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass DEP | Location Name | | Sam | ple Ir | nformation | Date Collected | Collected By |
| | BALDWI | N POND WTP - | FINISHED – FI | ELD BLANK | (M) | | (R)aw (F)inished | 1/14/20 | J. Worthington |
| Routine or | | Original, Resubmitte | ed or | 111111111111111111111111111111111111111 | udonomalakandabab | If Res | ubmitted Repo | rt, list below: | прэмогиченопологиченичностимичести правительных при |
| Special Sample | | Confirmation Rep | ort | (1) Reason | 1 for Res | ubmissi | on | (2) Collection Da | te of Original Sample |
| □RS □SS | ☑ Origin | nal 🗌 Resubmitted 🗀 | Confirmation | ☐ Resample ☐ Re | analysis | ☐ Repor | t Correction | | |
| SAMPLE NOTES | - Such as, if a | Manifold/Multiple sa | mple, list the source | (s) that were on-line | during sa | mple colle | ection. | | |
| | | | | | | | | | |
| II. ANALYTIC | AL LABOF | RATORY INFORI | MATION: | namen (ezezsoakanan sara Persakanan karakanan sara | | | | | |
| Primary Lab Ce | ert. #: N | 1-MA1118 PI | imary Lab Name | e: NASHOBA ANA | LYTICA | L | | Subconti | racted? (Y/N) |
| Analysis Lab C | ert.#: N | 1-IN035 An | alysis Lab Nam | e: EUROFINS - E | ATON AI | NALYTIC | AL | | |
| If Analysis Lab list certification | | fied by MassDEP | or U.S. EPA, | | *************************************** | | | | |
| Lab Meth | od | Date Extracted | Date Analyzed | Lab Sample ID# | | | E NOTES - Inclu | | whether sample was |
| EPA 537 | 7.1 | 1/27/20 | 1/27/20 | 210915-4FB | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check ¥) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | ⊠ | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | ⊠ | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | ⊠ | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | ⊠ | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | ⊠ | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | ⊠ | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | × | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | | × | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | * 1-11 | | × | _ | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | × | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | Ø | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | _ | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

The MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS ID# | 3315000 | | Lab Samp | le ID#: | 210 | 915-4FB | |
|--|--|--|---|--|----------------------|---|------------------|
| | | | | ······································ | W | | |
| | | 415 (INISSO) 2 ATES | Report | One of the Foll | owing | ORSG1 | MRL ² |
| CAS# | | ND UNREGULATED NTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| | | | | | | | |
| | 11.004411 | | | | | | |
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| | And the second s | | | | | | |
| | | - Addition | | | | | |
| | | | | | | 1 | |
| e minimum rej | porting level (MRL) is the lov | A, PFOS, PFHxS, PFNA, and PFI west concentration of the substar d and reported on a separate PF | nce tested that can b | e reported ret | lably under no | | ory |
| ne minimum rej ditions. field reagent b Check this box | porting level (MRL) is the lov plank (FRB) must be analyzed if attaching lab report to sho | west concentration of the substar | nce tested that can b | added togethe be reported rel | r. iably under no | | ory |
| e minimum rej ditions. field reagent b Check this box | porting level (MRL) is the lov plank (FRB) must be analyzed if attaching lab report to sho | west concentration of the substar d and reported on a separate PF ow additional PFAS | AS form if any PFAS | added togethe be reported rel | r. iably under no | | ory |
| e minimum rej ditions. ield reagent b Check this box | porting level (MRL) is the lov plank (FRB) must be analyzed if attaching lab report to sho | west concentration of the substar | AS form if any PFAS | added togethe be reported rel | r. iably under no | | ory |
| e minimum rej ditions. field reagent b Check this box | porting level (MRL) is the lov plank (FRB) must be analyzed if attaching lab report to sho | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name | AS form if any PFAS | added togethe be reported rel S are detected (70 – 130%) | r. iably under no | | ory |
| e minimum rej ditions. field reagent b Check this box | porting level (MRL) is the lov plank (FRB) must be analyzed if attaching lab report to sho | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name SS-HFPO-DA-13C3 | % Recovery | added togethe be reported rel are detected (70 – 130%) | r. iably under no | | ory |
| ne minimum rej ditions. field reagent b Check this box | porting level (MRL) is the lov plank (FRB) must be analyzed if attaching lab report to sho | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 | % Recovery | added togethe be reported rel S are detected y (70 – 130%) 39 33 | r. iably under no | | ory |
| ne minimum relations. field reagent b Check this box ults/contamina addition to report the second | porting level (MRL) is the low plank (FRB) must be analyzed if attaching lab report to shounts tested. Outling the Surrogate Recoverable. These include LRB, LFB willies of law that I am the person information contained herein is | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 ries above you must attach the re 3, LFSM and either a FD or LFSN authorized to fill out Prim | % Recovery | added together of reported rel S are detected (7 (70 – 130%) (89 (33 (91 (99 (quality controller method. | above the MF | e extraction | |
| ne minimum rel ditions. field reagent b Check this box ults/contamina addition to repo- ludes this sam entity under penals form and the in- inplete to the bes | porting level (MRL) is the low plank (FRB) must be analyzed if attaching lab report to show that tested. The property of the person information contained herein is at extent of my knowledge. | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 ries above you must attach the real, LFSM and either a FD or LFSM authorized to fill out true, accurate and | % Recovery % Recovery sesults of the ongoing MD as specified in the hary Lab Director | y (70 – 130%) 39 33 91 99 9 quality controle method. Signature: Date: | above the MF | e extraction - Luc 1 - 20 0 days after | batch tha |
| ne minimum reladitions. field reagent b Check this box ults/contamina addition to repositudes this sam ertify under penals form and the inplete to the bes | porting level (MRL) is the low plank (FRB) must be analyzed if attaching lab report to show that tested. The property of the person information contained herein is at extent of my knowledge. | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 ries above you must attach the re 3, LFSM and either a FD or LFSN authorized to fill out Prim | % Recovery % Recovery sesults of the ongoing MD as specified in the hary Lab Director | y (70 – 130%) 39 33 91 99 9 quality controle method. Signature: Date: | above the MF | e extraction - Luc 1 - 20 0 days after | batch tha |
| ne minimum reladitions. field reagent b Check this box ults/contamina addition to repositudes this sam entify under penals form and the implete to the bes inot submitting | porting level (MRL) is the low plank (FRB) must be analyzed if attaching lab report to show that tested. The property of the person information contained herein is at extent of my knowledge. | west concentration of the substar d and reported on a separate PF ow additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 ries above you must attach the real, LFSM and either a FD or LFSM authorized to fill out true, accurate and | % Recovery % Recovery sesults of the ongoing MD as specified in the hary Lab Director | y (70 – 130%) 39 33 91 99 9 quality controle method. Signature: Date: | above the MF | e extraction | batch tha |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer to | your Mass DEP W | ater Quality Samp | aling Sc | hedule | (WQSS) to he | lp complete this | form |
|---------------------------------------|-----------------|-------------------|-------------------------|------------------------|---|-----------------|----------------------------------|--------------------|--|
| PWS ID #: | 331 | 5000 | | City / T | own: [| WAY | LAND | | |
| PWS Name: | WAY | (LAND WATE | R DEPARTMENT | | | | PWS Class: | COM N | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass DE | P Location Name | | Sam | ple Ir | nformation | Date Collected | Collected By |
| RW-1R | HAPPY F | IOLLOW WEL | L. #1 | | ☐ (M)t ☑ (S)ii | ultiple ngle | (R)aw | 1/14/20 | J. Worthington |
| Routine or | | Original, Resubmi | tted or | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | If Res | ubmitted Repor | t, list below: | OMBIBATANISH (Affiliat Americal America) in markaling ma |
| Special Sample | | Confirmation Re | | (1) Reason | ı for Res | ubmissi | on | (2) Collection Dat | e of Original Sample |
| □RS □SS | ⊠ Origir | al 🗌 Resubmitted | ☐ Confirmation | ☐ Resample ☐ Re | analysis | ☐ Repo | rt Correction | | |
| SAMPLE NOTES | – Such as, if a | Manifold/Multiple | sample, list the source | e(s) that were on-line | during sa | nple coll | ection. | | |
| | | | | | | | | | |
| II, ANALYTIC | AL LABOF | RATORY INFO | RMATION: | | | | | | |
| Primary Lab Ce | ert.#: N | I-MA1118 | Primary Lab Nam | e: NASHOBA ANA | LYTICA | L, | | Subcontr | acted? (Y/N) Y |
| Analysis Lab C | ert.#: N | 1-IN035 | Analysis Lab Nam | e: EUROFINS - E | ATON AN | IALYTIC | AL | | |
| If Analysis Lab list certification | | fied by MassDE | P or U.S. EPA, | | | | | | |
| Lab Meth | nod | Date Extracted | Date Analyzed | Lab Sample ID# | | | E NOTES - Includitional contamin | | whether sample was |
| EPA 53 | 7.1 | 1/23/20 | 1/24/20 | 210915-5 | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|---|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check ✔) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | 0.0066 | | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0068 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | 0.0022 | | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | × | | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | 0.0025 | | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | 0.0029 | | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | × | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0040 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | Ø | _ | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | *************************************** | | ⋈ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is <u>0.070 μg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| REGULATED AND UNKESULATED PFAS CONTAMINANTS Results3 µg/L (Check ') (Check ') (Che | PWS ID#: 33150 | 000 | | Lab Samp | ole ID#: | 21 | 0915-5 | -11 |
|--|--|--|--|-----------------------------------|---|--------------------------------|---|--------------|
| REGULATED AND UNREGULATED PFAS CONTAMINANTS Results³ (MRL <1/3MRL (Check *') | | | | Barra | One of the Fall | ovija a | · | |
| me MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal lat additions. Check this box if attaching lab report to show additional PFAS sults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extracticides this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | , | | | Results ³ | <mrl< th=""><th><1/3MRL</th><th>ORSG¹ μg/L</th><th>MRL² μg/L</th></mrl<> | <1/3MRL | ORSG¹ μg/L | MRL² μg/L |
| me MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, Individually or added together. he minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal lat inditions. If it is defined reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS sults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEIFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFDA-13C2 87 SS-PFDA-13C2 87 SS-PFDA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extractures this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | | <u> </u> | | | | | | |
| ee MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. he minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal latiditions. field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS ults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEIFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extra- studes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | | | | | | | | |
| ie MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. he minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to reasonable to the substance tested that can be reported reliably under normal lated to resolve the MRL. Surrogate Name | | | | | | | | |
| e MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. he minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal fail ditions. field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS ults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extra-lates this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | | | | | | | | |
| e MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. the minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laid ditions. field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS ults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEIFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extra- ludes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | | | AMILE | | | | | |
| e MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal lad iditions. The diditions of the substance tested that can be reported reliably under normal lad iditions. The diditions of the substance tested that can be reported reliably under normal lad iditions. The diditions of the substance tested that can be reported reliably under normal lad iditions. The diditions of the substance tested that can be reported reliably under normal lad iditions. The diditions of the substance tested that can be reported reliably under normal lad iditions. The diditions of the substance tested that can be reported reliably under normal lad iditions. The didition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extra laddes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | 100 | | | | | | | |
| e MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. the minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laid ditions. field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS utts/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extrauludes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | | | | | | | | |
| e MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal latiditions. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal latiditions. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal latiditions. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal latiditions. The minimum reporting is analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. The MRL. Surrogate Name Su | | | | | | | <u> </u> | |
| e MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal late dictions. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal late dictions. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal late dictions. The minimum reporting is analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. The minimum reporting lab report to show additional PFAS are detected above the MRL. Surrogate Name | AHA | | | | | | | |
| e MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. he minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal lad iditions. field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS ults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extradudes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | | | | | | | | |
| The MassDEP ORSG is 0.070 ug/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together. The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laiditions. The field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS ults/contaminants tested. Surrogate Name | 1 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | |
| ne minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal fail dictions. field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL. Check this box if attaching lab report to show additional PFAS ults/contaminants tested. Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extraction of the surrogate results and either a FD or LFSMD as specified in the method. | | | | | | | | |
| Surrogate Name % Recovery (70 – 130%) SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extraction of the sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | he minimum reporting level (N | IRL) is the lowest conc | entration of the substance t | ested that can i | added togethe be reported rel | r. iably under no | | tory |
| SS-HFPO-DA-13C3 86 SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extraction of the sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | the minimum reporting level (Nonditions). If it is field reagent blank (FRB) mu Check this box if attaching lab | MRL) is the lowest conce | entration of the substance t orted on a separate PFAS f | ested that can i | added togethe be reported rel | r. iably under no | | tory |
| SS-NEtFOSAA-d5 83 SS-PFDA-13C2 87 SS-PFHxA-13C2 88 addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extractional sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | ne minimum reporting level (Naditions. field reagent blank (FRB) mu Check this box if attaching lal | MRL) is the lowest conce ist be analyzed and repr b report to show additio | entration of the substance to orted on a separate PFAS formal PFAS | ested that can t | added togethe be reported rel S are detected | r. iably under no | | tory |
| addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extractional states and the sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method. | ne minimum reporting level (Naditions. field reagent blank (FRB) mu Check this box if attaching lal | MRL) is the lowest concest to analyzed and repute to show addition | entration of the substance to orted on a separate PFAS for all PFAS for all PFAS | ested that can to borm if any PFA | added togethe be reported rel S are detected y (70 – 130%) | r. iably under no | | tory |
| addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extra- | ne minimum reporting level (Naditions. field reagent blank (FRB) mu Check this box if attaching lal | MRL) is the lowest concerts to analyzed and represent to show additions. | entration of the substance to orted on a separate PFAS fonal PFAS Surrogate Name S-HFPO-DA-13C3 | ested that can to | added togethe be reported rel S are detected y (70 – 130%) | r. iably under no | | tory |
| cludes this sample. These include LRB, LFB, LFSM and either a FD of Li SMD as specified in the method. | he minimum reporting level (Maditions. field reagent blank (FRB) mu Check this box if attaching lal | MRL) is the lowest concest be analyzed and represented by report to show additions. | entration of the substance to orted on a separate PFAS fonal PFAS Surrogate Name S-HFPO-DA-13C3 S-NEtFOSAA-d5 | ested that can to | added togethe be reported rel S are detected y (70 – 130%) 86 83 | r. iably under no | | tory |
| territy under peralities or an interference of the control of the information contained herein is true, accurate and | The minimum reporting level (Nonditions). In field reagent blank (FRB) mu Check this box if attaching lab | MRL) is the lowest concerts to analyzed and represent to show additions: | entration of the substance to orted on a separate PFAS fonal PFAS Surrogate Name S-HFPO-DA-13C3 S-NEtFOSAA-d5 SS-PFDA-13C2 | ested that can i | y (70 – 130%) 86 83 | r. iably under no | | tory |
| f not submitting these results electronically, mail <u>TWO</u> copies of this report to your MassDEP Regional Office no later than 10 days month in which you received this report <u>or</u> no later than 10 days after the end of the reporting period, whichever is soo | he minimum reporting level (Monditions. field reagent blank (FRB) mu Check this box if attaching lab sults/contaminants tested. addition to reporting the Surre cludes this sample. These includes this sample of law that it is form and the information conta | orgate Recoveries above unde LRB, LFSM a am the person authorized ained herein is true, accurate is the lowest concentration. | entration of the substance to orted on a separate PFAS fonal PFAS Surrogate Name S-HFPO-DA-13C3 S-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 e you must attach the result and either a FD or LFSMD at to fill out Primary | % Recover | y (70 – 130%) 86 83 87 88 9 quality controle method. • Signature: | r. iably under no above the MF | e extraction | |
| assDEP REVIEW STATUS (Initial & Date) Review | the minimum reporting level (Maditions.) field reagent blank (FRB) mu Check this box if attaching late suits/contaminants tested. addition to reporting the Surrouldes this sample. These includes this sample. These includes the sample of the sample to the best extent of my known that it is torm and the information contamplete to the best extent of my known that it is to the sample to the sa | orgate Recoveries above unde LRB, LFB, LFSM a am the person authorized ained herein is true, accurately mail TMC | entration of the substance to orted on a separate PFAS for all PFAS Surrogate Name S-HFPO-DA-13C3 S-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 SS | % Recover | y (70 – 130%) 86 83 87 88 9 quality controle method. Signature: Date: | above the MF | e extraction Luc 4 - 20 0 days after | batch that |
| Accepted Disapproved Comments | the minimum reporting level (Nonditions). If it is reagent blank (FRB) must blank (FRB) mus | MRL) is the lowest concest be analyzed and represent to show additions and the person authorized ained herein is true, accurately accurately our received this report. | entration of the substance to orted on a separate PFAS fonal PFAS Surrogate Name S-HFPO-DA-13C3 S-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 E you must attach the result and either a FD or LFSMD at to fill out urate and Copies of this report to you for no later than 10 days after than 10 days after the orted or the orted of the control | % Recover | y (70 – 130%) 86 83 87 88 9 quality controle method. Signature: Date: | above the MF | e extraction Luc 4 - 20 0 days after | batch that |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer t | o your Mass DEP W | ater Quality Sam | pling Sc | hedule | (WQSS) to I | nelp co | mplete this | form |
|---------------------------------------|---------------|-------------------|----------------------------|--|-----------|------------------|----------------------------------|-----------|-------------------|--|
| PWS ID #: | 331 | 5000 | | City / | Town: | WAYI | AND | | | |
| PWS Name: | WAY | YLAND WAT | ER DEPARTMENT | • | | | PWS Clas | s: C | OM 🛛 N | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass | DEP Location Name | *************************************** | Sam | ıple Ir | nformatio | on | Date Collected | Collected By |
| | НАРРҮ І | HOLLOW WE | LL #1 – FIELD BL | ANK | (M) | ngle | (R)aw (F)inishe | | 1/14/20 | J. Worthington |
| Routine or | | Original, Resub | mitted or | | | If Res | ubmitted Rep | ort, list | below: | ченения на применя на п На применя на примена на примена на примена на приме |
| Special Sample | | Confirmation | | (1) Reaso | n for Res | ubmissi | on | (2) | Collection Dat | te of Original Sample |
| □RS □SS | ☑ Origii | nal 🗌 Resubmitt | ed Confirmation | ☐ Resample ☐ R | eanalysis | Repor | t Correction | | | |
| SAMPLE NOTES | – Such as, if | a Manifold/Multip | le sample, list the source | e(s) that were on-line | during sa | mple coll | ection. | | .,, | |
| | | | | | | | | | | |
| II. ANALYTIC | AL LABOI | RATORY INF | ORMATION: | | | | | | | |
| Primary Lab Co | ert. #: | VI-MA1118 | Primary Lab Nam | e: NASHOBA AN | ALYTICA | L | | | Subcontr | acted? (Y/N) Y |
| Analysis Lab C | ert. #: [| M-IN035 | Analysis Lab Nam | e: EUROFINS - E | ATON A | VALYTIC | AL | | | - AHV |
| If Analysis Lab list certification | | | DEP or U.S. EPA, | and the second s | | , y, <u>, y,</u> | | 4.17 | | |
| Lab Meth | nod | Date Extract | ed Date Analyzed | Lab Sample ID# | | | E NOTES - Inc litional contam | | | whether sample was |
| EPA 53 | 7.1 | 1/27/20 | 1/27/20 | 210915-5FB | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | ⊠ | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | × | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | Ø | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | × | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | × | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | _ | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDòA) | | | ⊠ | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | | Ø | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | _ | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS ID#: | 3315000 | | Lab Samı | ole ID#: | 210 | 915-5FE | 3 |
|--|--|--|------------------|--|--------------------------------------|---|--------------|
| | | | Report | t One of the Foll | owing | | |
| CAS# | | D UNREGULATED TAMINANTS | Results³ μg/L | <mrl (Check)</mrl | <1/3MRL (Check *) | ORSG¹ μg/L | MRL² µg/L |
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| | 1869 | All for the second of the seco | | | | | |
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| | | | | | | | |
| | | 2.70 | | | | | |
| - 1 | | | | | | | |
| The minimum repo | orting level (MRL) is the lowe | PFOS, PFHxS, PFNA, and PFHpA est concentration of the substance that and reported on a separate PFAS to the substance of the separate PFAS to the substance of the separate PFAS to the separate PFAS | ested that can | ne reported re- | lably under no | | tory |
| The minimum repo anditions. A field reagent bla Theck this box it | orting level (MRL) is the lower ink (FRB) must be analyzed f attaching lab report to show | est concentration of the substance that and reported on a separate PFAS f | ested that can | added togethe be reported rel | r. iably under no | | tory |
| he minimum reponditions. field reagent bla Check this box it | orting level (MRL) is the lower ink (FRB) must be analyzed f attaching lab report to show | est concentration of the substance that and reported on a separate PFAS for additional PFAS | orm if any PFA | added togethe be reported rel | r. iably under no | | tory |
| he minimum reponditions. field reagent bla Check this box it | orting level (MRL) is the lower ink (FRB) must be analyzed f attaching lab report to show | est concentration of the substance that and reported on a separate PFAS f | orm if any PFA | added togethe be reported rel | r. iably under no | | tory |
| the minimum reponditions. If field reagent bla Check this box it | orting level (MRL) is the lower ink (FRB) must be analyzed f attaching lab report to show | est concentration of the substance to and reported on a separate PFAS to v additional PFAS Surrogate Name | orm if any PFA | added togethe be reported rel AS are detected ry (70 – 130%) | r. iably under no | | tory |
| The minimum repoinditions. A field reagent bla Check this box it | orting level (MRL) is the lower ink (FRB) must be analyzed f attaching lab report to show | est concentration of the substance to and reported on a separate PFAS to additional PFAS Surrogate Name SS-HFPO-DA-13C3 | orm if any PFA | added togethe be reported rel AS are detected ry (70 – 130%) | r. iably under no | | tory |
| The minimum repo anditions. A field reagent bla T Check this box it | orting level (MRL) is the lower ink (FRB) must be analyzed f attaching lab report to show | and reported on a separate PFAS of additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 | orm if any PFA | ry (70 – 130%) 91 | r. iably under no above the Mi | | tory |
| The minimum reponditions. A field reagent bla Check this box it sults/contaminant addition to report and the interminant the interminant to the best of the best of the best of the best of the period and the interminant to the best of the best of the best of the best of the period and the interminant to the period to the best of the period to th | ting the Surrogate Recoveries. These include LRB, LFB, es of law that I am the person a formation contained herein is the extent of my knowledge. | and reported on a separate PFAS of and reported on a separate PFAS of additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 es above you must attach the result LFSM and either a FD or LFSMD at authorized to fill out true, accurate and | % Recove | ry (70 – 130%) 91 85 93 100 g quality controthe method. or Signature: Date: | r. iably under no above the Mi | ne extraction Lua U-Z0 | batch tha |
| The minimum reponditions. A field reagent bla Check this box if sults/contaminant addition to report cludes this sample certify under penaltic form and the interpolate to the best of the complete to the best of the complete to the contaminant that interpolate is form and the interpolate to the complete to the contaminant that interpolate is the complete to the contaminant that interpolate is the contaminant that interpolate is the contaminant that is the con | ting the Surrogate Recoveries. These include LRB, LFB, es of law that I am the person a formation contained herein is textent of my knowledge. | and reported on a separate PFAS is additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 es above you must attach the result LFSM and either a FD or LFSMD authorized to fill out Primary | % Recove | added together be reported related together be reported related together as a related to | above the Mi | ne extraction Lua 1 - Z0 10 days after | the end o |
| The minimum reponditions. A field reagent bla Check this box it sults/contaminant certify under penaltic form and the intomplete to the best of the submitting the certify under the best of the submitting the certify under the best of the best of the submitting the certify under the best of the submitting the certify under the best of the submitting the certify under the best of the submitting the certifications. | ting the Surrogate Recoveries. These include LRB, LFB, es of law that I am the person a formation contained herein is textent of my knowledge. | and reported on a separate PFAS of and reported on a separate PFAS of additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 es above you must attach the result LFSM and either a FD or LFSMD at authorized to fill out rue, accurate and | % Recove | added together be reported related together be reported related together as a related to | above the Mi | ne extraction Lua 1 - Z0 10 days after | the end o |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer to | your Mass DEP V | ater Quality Sam | pling Sc | hedule | (WQSS) to h | ielp con | plete this | form |
|-----------------------------------|--|---------------------------------------|------------------------|------------------------|-----------|--------------------------------------|-----------------------------------|----------|-------------------|--|
| PWS ID #: | 331 | 5000 | | City / | Fown: | WAYI | _AND | | | |
| PWS Name: | WAY | YLAND WATE | R DEPARTMEN | T | | PWS Class: COM ⊠ NTNC ☐ TNC ☐ | | | | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass DEP Location Name San | | | | ple Ir | nformatio | n c | Date Collected | Collected By |
| RW-2R | HAPPY I | APPY HOLLOW WELL #2 | | | | ☐ (M)ultiple ☐ (R)aw ☐ (F)inished 1. | | | 1/14/20 | J. Worthington |
| Routine or | | Original, Resubmitted or | | | | | ubmitted Repo | | | a hashasha masharlara alamdarla hasha ka malemmena alaasa malembia hasha ke ka ke sa sa sa sa sa sa sa sa sa s |
| Special Sample | | Confirmation Report (1) Reason for Re | | | | ubmissi | on | (2) Co | llection Da | te of Original Sample |
| □RS □SS | ☑ Original ☐ Resubmitted ☐ Confirmation ☐ Resample ☐ Reanalysis | | | | eanalysis | ☐ Repor | t Correction | | | |
| SAMPLE NOTES | – Such as, if a | a Manifold/Multiple | sample, list the sourc | e(s) that were on-line | during sa | mple colle | ection. | | | |
| | | | | | | | | | | |
| II. ANALYTIC | AL LABOF | RATORY INFO | RMATION: | | | | | | TOTAL STATE | Dies des 150 der 150 er 150 er 150 de |
| Primary Lab Ce | ert. #: N | /I-MA1118 | Primary Lab Nam | e: NASHOBA AN | ALYTICA | L | | | Subconti | racted? (Y/N) Y |
| Analysis Lab C | ert.#: N | /I-IN035 | Analysis Lab Nam | e: EUROFINS - E | ATON A | NALYTIC | AL | | . , | |
| | If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority: | | | | | | | | | |
| Lab Meth | ıod | Date Extracted | Date Analyzed | Lab Sample ID# | | | E NOTES - Inc litional contami | | | whether sample was |
| EPA 53 | 7.1 | 1/23/20 | | | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check ¥) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | 0.0060 | | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0069 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | 0.0021 | | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | × | | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | 0.0025 | | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | 0.0030 | | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | × | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0041 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ☒ | _ | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | 100,000 | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | _ | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS I | p#: 3315000 | | Lab Sample | nple ID#: 210915-6 | | | |
|---|---|--|---|--|-----------------------------|---|------------|
| | | | | | | | |
| | | | Report O | ne of the Follo | owing | ORSG1 | MRL2 |
| CAS# | | ED AND UNREGULATED S CONTAMINANTS | Results³ µg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| | | 3711100 | | | | **** | |
| | | | | | | | |
| | | 444944 | | | | | |
| | ***** | | | | | | |
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| I | | | | · | | | |
| he minimum r | eporting level (MRL) is th | FOA, PFOS, PFHxS, PFNA, and PFH e lowest concentration of the substand lyzed and reported on a separate PFA | ce tested that can be | reported reli | ably under no | | ory |
| The minimum r nditions. A field reagent I Check this bo | reporting level (MRL) is the blank (FRB) must be ana box if attaching lab report to | e lowest concentration of the substand | ce tested that can be | Ided together reported reli | ı r. ably under nor | | ory |
| he minimum r nditions. field reagent Check this bo | reporting level (MRL) is the blank (FRB) must be ana box if attaching lab report to | e lowest concentration of the substand liyzed and reported on a separate PFA o show additional PFAS | ce tested that can be | Ided together reported reli are detected | ı r. ably under nor | | Ory |
| the minimum r nditions. a field reagent Check this bo | reporting level (MRL) is the blank (FRB) must be ana box if attaching lab report to | e lowest concentration of the substand | ce tested that can be | ided together reported reli are detected | ı r. ably under nor | | ory |
| he minimum r nditions. . field reagent Check this bo | reporting level (MRL) is the blank (FRB) must be ana box if attaching lab report to | e lowest concentration of the substance llyzed and reported on a separate PFA o show additional PFAS Surrogate Name | ce tested that can be AS form if any PFAS a | Ided together reported reliare detected | ı r. ably under nor | | ory |
| the minimum r nditions. a field reagent Check this bo | reporting level (MRL) is the blank (FRB) must be ana box if attaching lab report to | e lowest concentration of the substance lyzed and reported on a separate PFA o show additional PFAS Surrogate Name SS-HFPO-DA-13C3 | ce tested that can be AS form if any PFAS a % Recovery (| ided together reported reliare detected | ı r. ably under nor | | ory |
| The minimum r anditions. A field reagent | reporting level (MRL) is the blank (FRB) must be ana box if attaching lab report to | e lowest concentration of the substance liyzed and reported on a separate PFA o show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 | % Recovery (| ided together reported reli are detected 70 – 130%) | ı r. ably under nor | | ory |
| The minimum renditions. A field reagent Check this be sults/contamin addition to recludes this sare tertify under pensis form and the | porting level (MRL) is the blank (FRB) must be analox if attaching lab report to lants tested. porting the Surrogate Recomple. These include LRB, relatives of law that I am the per information contained here. | e lowest concentration of the substance livzed and reported on a separate PFA to show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 coveries above you must attach the rest | % Recovery (100 86 86 93 sults of the ongoing q | reported reli are detected 70 – 130%) juality contromethod. signature: | ably under not above the MF | e extraction | |
| he minimum raditions. field reagent Check this bosults/contamin addition to recludes this sare ertify under pens form and the mplete to the be- | porting level (MRL) is the blank (FRB) must be analox if attaching lab report to ants tested. porting the Surrogate Recomple. These include LRB, relatives of law that I am the per information contained here est extent of my knowledge. | e lowest concentration of the substance livzed and reported on a separate PFA or show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 SS-PFHxA-13C2 SOVERIES above you must attach the rest LFB, LFSM and either a FD or LFSM aron authorized to fill out in is true, accurate and | % Recovery (| ided together reported reliare detected 70 – 130%) juality contromethod. ignature: Date: onal Office in | I results for the | e extraction Luca 1 - 20 1 days after | batch that |
| The minimum renditions. A field reagent Check this be sults/contaminated addition to reclude this sare certify under pensis form and the complete to the best for the submitting. | porting level (MRL) is the blank (FRB) must be analox if attaching lab report to ants tested. porting the Surrogate Recomple. These include LRB, relatives of law that I am the per information contained here est extent of my knowledge. | e lowest concentration of the substance livzed and reported on a separate PFA or show additional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 SS-PFHxA-13C2 SS-PFHxA-13C2 SOVERIES above you must attach the result of the properties above you must attach the properties above you m | % Recovery (| ided together reported reliare detected 70 – 130%) juality contromethod. ignature: Date: onal Office in | I results for the | e extraction L. Luce L- ZO days after r is sooner. | batch that |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer to | our Mass DEP W | ater Quality Sam | pling So | hedule | (WQSS) to | help (| complete this | form |
|-----------------------------------|--|--------------------------|------------------------|-----------------------|-----------|--|-----------------------------|-----------------|-------------------------------|--------------------|
| PWS ID #: | 331 | 15000 | | City / | Fown: | WAYI | _AND | | | |
| PWS Name: | WA' | WAYLAND WATER DEPARTMENT | | | | PWS Class: COM ⊠ NTNC ☐ TNC ☐ | | | | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass DEP Location Name | | | | ıple Ir | nformatio | on | Date Collected | Collected By |
| | HAPPY I | | | | | ☐ (M)ultiple ☐ (R)aw ☐ (S)ingle ☐ (F)inished ☐ 1/14/20 ☐ J. Worth | | | J. Worthington | |
| Routine or | | Original, Resubmitted or | | | | If Res | ubmitted Rep | ort, lis | st below: | |
| Special Sample | | Confirmation Re | (1) Reaso | n for Res | ubmissi | on | (2 |) Collection Da | te of Original Sample | |
| □RS □SS | SS 🛮 Original 🗆 Resubmitted 🗀 Confirmation 🔻 F | | | ☐ Resample ☐ R | eanalysis | □ Repor | t Correction | | | |
| SAMPLE NOTES | - Such as, if | a Manifold/Multiple s | ample, list the source | (s) that were on-line | during sa | mple colle | ection. | | | |
| | | | | | | | | | | |
| II. ANALYTIC | AL LABO | RATORY INFOR | RMATION: | | | istoria de la composición dela composición de la composición dela composición de la composición de la composición de la composición dela composición de la composición de la composición dela composición de la composición de la composición de la composición dela composición de la composición dela composición dela compo | | | antimasson et statisma canasa | |
| Primary Lab Ce | ert. #: | л-MA1118 ј | rimary Lab Name | e: NASHOBA AN | ALYTICA | L | | | Subcontr | racted? (Y/N) |
| Analysis Lab C | ert. #: | Л-IN035 Д | nalysis Lab Name | e: EUROFINS - E | ATON A | VALYTIC | AL | | | |
| | If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority: | | | | | | | | | |
| Lab Meth | ıod | | | | | | E NOTES - Inditional contam | | | whether sample was |
| EPA 53 | 7.1 | 1/27/20 | 1/27/20 | 210915-6FB | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL2 |
|-------------|--|------------------|----------------------------|----------------------|-------|-------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check ')</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | Ø | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | × | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | × | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | × | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | × | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | × | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | | Ø | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | Ø | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | Ø | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | _ | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

The MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS I | PWS ID#: 3315000 Lab Sample ID#: 210915-6FB | | | | | | 3 | |
|---|---|--|---|------------------------------------|--------------------------------|----------------------|---|------------------|
| | | | | | | | | |
| | | | | Report | One of the Foll | owing | ORSG1 | MRL ² |
| CAS# | | ED AND UNREGULA' S CONTAMINANTS | TED | Results³ µg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| | | Land | | | | | | |
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| | 4.00 | 11000 | | | | | | |
| ************************************** | | W/HIT-V | | | | | | |
| | Note the second | | | | | | | |
| | | -AHH# | | | | | | |
| | | | | | | | | |
| | ···· | 3,000 | 445 | | | | | |
| | | | | **** | | | | |
| | | 11000 | | | | | | |
| - | nt blank (FRB) must be ana | | | | | | | |
| results/contain | mants tested. | | | N/ Decover | . (70 4209/) | | | |
| | | | gate Name O-DA-13C3 | | y (70 – 130%) 94 | | | |
| | | | FOSAA-d5 | | 86 | | | |
| | | | DA-13C2 | | 93 | | | |
| | | SS-PF | HxA-13C2 | | 102 | | | |
| In addition to re | eporting the Surrogate Rec ample. These include LRB | coveries above you LFB, LFSM and eit | must attach the results her a FD or LFSMD as | of the ongoing specified in the | g quality contro he method. | ol results for th | e extraction | batch that |
| moidado mio o | | rson authorized to fill o | | Lab Directo | r Signature: | | 2-(Lew | wh |
| I certify under pe this form and th | enalties of law that I am the pener information contained here host extent of my knowledge | in is true, accurate a | | | Date: | ニューノヤ | -710 | |
| I certify under pe this form and th complete to the I | ne information contained here best extent of my knowledge. | in is true, accurate a | es of this report to you | r MassDEP Re | Date: egional Office r | no later than 1 | C - ZO O days after or is sooner. | the end of th |
| I certify under pe this form and th complete to the I | ne information contained here best extent of my knowledge. ing these results electronic month in which you recei | in is true, accurate a ally, mail <u>TWO</u> copi ved this report <u>or</u> no | es of this report to you later than 10 days afte | r MassDEP Re er the end of th | egional Office r | no later than 1 | 0 days after | |
| I certify under pe this form and th complete to the I | ne information contained here best extent of my knowledge. ing these results electronic month in which you recei VIEW STATUS (Initial & Da | in is true, accurate a ally, mail <u>TWO</u> copi ved this report <u>or</u> no ate) | es of this report to you | r MassDEP Re er the end of th | egional Office r | no later than 1 | 0 days after | the end of th |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MAT | ON: Please refer | to your Mass DEP W | later Quality Sam | oling Sc | hedule | (WQSS) to h | elp complete this | form |
|-----------------------------------|--|--|-----------------------------|------------------------|-----------|---------------------|--|-----------------------|--|
| PWS ID #: | | 3315000 | | City / 1 | Town: | WAYI | _AND | | CALL AND |
| PWS Name: | | WAYLAND WAT | ER DEPARTMENT | - | | | PWS Class | : COM 🛛 N | TNC 🗌 TNC 🗌 |
| Mass DEP LOCATION (LOC) ID# | | | | | | ple Ir | nformatio | Date Collected | Collected By |
| RW-3R | HAF | IAPPY HOLLOW WELL #3 □ (M)ultiple □ (R)aw □ (F)inished 1/14/20 J. Worth | | | | | J. Worthington | | |
| Routine or Special Sample | Original, Resubmitted or Confirmation Report (1) Reason for Re | | | | | ubmitted Repo on | เมาะน้อยเกษายนการเหมาะเหมาะเกษาการเราเราเราเราเราเรา | te of Original Sample | |
| □RS □SS | ☐ SS ☐ Original ☐ Resubmitted ☐ Confirmation ☐ Resample ☐ Reanalysi | | | | analysis | ☐ Repor | t Correction | | |
| SAMPLE NOTES | - Such | as, if a Manifold/Multip | ole sample, list the source | e(s) that were on-line | during sa | mple coile | ection. | | |
| | | | | | S | | | | |
| II, ANALYTIC | AL L | ABORATORY INF | ORMATION: | | | | | | |
| Primary Lab Co | ert.#: | M-MA1118 | Primary Lab Nam | e: NASHOBA AN | ALYTICA | L | | Subconti | racted? (Y/N) Y |
| Analysis Lab C | ert. #: | M-IN035 | Analysis Lab Nam | e: EUROFINS - E | ATON A | NALYTIC | AL | | |
| | If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority: | | | | | | | | |
| Lab Meth | nod | Date Extract | ted Date Analyzed | Lab Sample ID# | | | E NOTES - Incl litional contamir | | whether sample was |
| FPΔ 53 | 7 1 | 1/23/20 | 1/24/20 | 210915-7 | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------------|--|------------------|----------------------------|----------------------|---------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | 0.0058 | | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0075 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | Ø | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | × | | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | 0.0027 | | | 0.070 | 0.002 |
| 375-73 - 5 | Perfluorobutane sulfonic acid (PFBS) | 0.0031 | | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | Ø | <u></u> | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0052 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | , | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⋈ | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | **** | | Ø | _ | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | * | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | - | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| 1 | | Report | One of the Foll | owing | ORSG ¹ | MRL ² |
|--|--|---|--------------------------------|----------------------|-------------------|------------------|
| CAS# PF/ | TED AND UNREGULATED AS CONTAMINANTS | Results³ µg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| | LINN SHAP. | | | | | |
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| | 144-1 | | | | | |
| AHA- | 100 | **** | | | | |
| | | | | | | |
| 335 | | | | | | |
| | | | | | | |
| Check this box if attaching lab report alts/contaminants tested. | to show additional PFAS | | | | | |
| | Surrogate Name | % Recover | y (70 – 130%) | | | |
| | SS-HFPO-DA-13C3 | | 102 | | | |
| | SS-NEtFOSAA-d5 | | 84 | | | |
| | SS-PFDA-13C2 | | 88 | | | |
| | SS-PFHxA-13C2 | | 89 | | | |
| addition to condition the Surrogate Re | ecoveries above you must attach the res B, LFB, LFSM and either a FD or LFSMD | ults of the ongoin as specified in t | g quality contro he method. | ol results for th | e extraction | batch tha |
| ludes this sample. These include LR | | ry Lab Directo | r Signature: | David | L. Luc | wll |
| udes this sample. These include LRb | | • | | | | |
| udes this sample. These include LRt rtify under penalties of law that I am the p form and the information contained hei plete to the best extent of my knowledge. | rein is true, accurate and | • | Date: | 2-10 | | |
| rtify under penalties of law that I am the p form and the information contained her plete to the best extent of my knowledge. | rein is true, accurate and | rour MassDFP Ri | egional Office i | no later than 1 | 0 days after | the end c |
| | B, LFB, LFSM and either a FD or LFSML | as specified in t | ne memou. | // ~ / | I. Vine | w |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer to yo | our Mass DEP W | ater Quality Samı | oling Sc | hedule | (WQSS) to he | elp complete this | form | |
|--|---|---------------------------------------|-----------------------|-----------------------|--------------|--|----------------------------------|---|--------------------|--|
| PWS ID#: | 33′ | 15000 | | City / T | own: | WAYI | _AND | | | |
| PWS Name: | WA | YLAND WATER | DEPARTMENT | • | | PWS Class: COM ⊠ NTNC ☐ TNC ☐ | | | | |
| Mass DEP LOCATION (LOC) ID# | DINITION IN COLUMN | · · · · · · · · · · · · · · · · · · · | | | | ample Information Date Collected Collected | | | | |
| | HAPPY | | | | | (M)ultiple ☐ (R)aw | | | J. Worthington | |
| Routine or | Original, Resubmitted or | | | | If Res | ubmitted Repo | rt, list below: | нономиновинонононономиностический кактория (положения в положения | | |
| Special Sample | Confirmation Report (1) Reason for Resi | | | ubmissi | on | (2) Collection Da | te of Original Sample | | | |
| □RS □SS | SS | | | ☐ Repor | t Correction | | | | | |
| SAMPLE NOTES | – Such as, if | a Manifold/Multiple sar | mple, list the source | (s) that were on-line | during sa | mple colle | ection. | | | |
| | | | | | | | | | | |
| II. ANALYTIC | AL LABO | RATORY INFORI | WATION: | | | | | | | |
| Primary Lab Ce | ert.#: [| И-MA1118 Р | rimary Lab Name | NASHOBA ANA | ALYTICA | L | | Subcont | racted? (Y/N) Y | |
| Analysis Lab C | ert.#: | M-IN035 An | alysis Lab Name | EUROFINS - E | ATON A | NALYTIC | AL. | PHP - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | | |
| If Analysis Lab is not certified by MassDEP or U.S. EPA, list certification authority: | | | | | | | | | | |
| Lab Meth | od | Date Extracted | Date Analyzed | Lab Sample ID# | | | E NOTES - Includitional contamin | | whether sample was | |
| EPA 53 | 7.1 | 1/27/20 | 1/27/20 | 210915-7FB | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|---|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | × | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | ⊠ | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | Ø | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | ⊠ | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | × | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | Ø | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | × | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 3,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | Ø | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | *************************************** | | Ø | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | 7-1128111-11-1 | | Ø | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | ****** | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | ************************************** | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | - | | | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

Page 2 of 2

| PWS ID#: | 3315000 | Lab Sample ID#; | 210915-7FB |
|----------|---------|-----------------|--|
| | | | Marine Ma |

| | | Repor | t One of the Foll | owing | ORSG1 | MRL ² |
|------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ µg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
| | | | | | | |
| | Approx Ap | | | | | |
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| | A STATE OF THE STA | | | | | |

¹The MassDEP ORSG is 0.070 μg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

| Surrogate Name | % Recovery (70 130%) |
|-----------------|----------------------|
| SS-HFPO-DA-13C3 | 94 |
| SS-NEtFOSAA-d5 | 88 |
| SS-PFDA-13C2 | 95 |
| SS-PFHxA-13C2 | 102 |

In addition to reporting the Surrogate Recoveries above you must attach the results of the ongoing quality control results for the extraction batch that includes this sample. These include LRB, LFB, LFSM and either a FD or LFSMD as specified in the method.

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

☐ Check this box if attaching lab report to show additional PFAS

Primary Lab Director Signature: /

| Date: | 2-14-20 | |
|-------|---------|--|
| | | |

If not submitting these results electronically, mail <u>TWO</u> copies of this report to your MassDEP Regional Office no later than 10 days after the end of the month in which you received this report <u>or</u> no later than 10 days after the end of the reporting period, whichever is sooner.

| month in the state of the state | | |
|--|----------|---------------------|
| MassDEP REVIEW STATUS (Initial & Date) | Review | ☐ WQTS Data Entered |
| Accepted Disapproved | Comments | Data Entered |

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION | l: Please refer t | o your Mass DEP W | ater Quality Sar | npling Sc | hedule | (WQSS) to h | elp complete this | s form | |
|---------------------------------------|---|--|----------------------------|-----------------------|-------------|--------------------------------|---|----------------------|---|--|
| PWS ID #: | 33 | 315000 | | City / | Town: | WAY | LAND | | | |
| PWS Name: | W | AYLAND WAT | ER DEPARTMENT | | | PWS Class: COM ⊠ NTNC ☐ TNC ☐ | | | | |
| Mass DEP LOCATION (LOC) ID# | | Mass | - Landson | | | | nformatio | n Date Collected | Collected By | |
| 20006 | НАРРҮ | HOLLOW RE | OLLOW REPLACEMENT WELLS | | | | | d 1/14/20 | J. Worthington | |
| Routine or | | Original, Resubmitted or | | | | | ubmitted Repo | rt, list below: | sekkikilisistekkikikisistekseksekseksekseksekseksekseksekseksekse | |
| Special Sample | | Confirmation Report (1) Reason for | | | | submissi | ion | (2) Collection Da | ate of Original Sample | |
| □RS □SS | ⊠ Ori | Original ☐ Resubmitted ☐ Confirmation ☐ Resample ☐ Reanaly | | | | ☐ Repo | rt Correction | | | |
| SAMPLE NOTES | - Such as, | if a Manifold/Multip | le sample, list the source | e(s) that were on-lin | e during sa | mple coll | ection. | | | |
| | | | | | | | | | | |
| II. ANALYTIC | AL LAB | DRATORY INF | ORMATION: | | | | | | | |
| Primary Lab Co | ert. #: [| M-MA1118 | Primary Lab Nam | e: NASHOBA A | NALYTICA | NL. | | Subcont | tracted? (Y/N) Y | |
| Analysis Lab C | ert. #: | M-1N035 | Analysis Lab Nam | e: EUROFINS - | EATON A | NALYTIC | AL | | | |
| If Analysis Lab list certification | | | DEP or U.S. EPA, | | | | *************************************** | 400-441 | | |
| Lab Meth | Lab Method Date Extracted Date Analyzed | | | Lab Sample ID | | E NOTES - Inciditional contami | | o whether sample was | | |
| EPA 53 | 7.1 | 1/23/20 | 1/24/20 | 210915-8 | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | 0.0060 | | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0070 | | ` 🛮 | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | Ø | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | Ø | | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | 0.0027 | | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | 0.0029 | | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | Ø | _ | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | Ø | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0046 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | × | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | _ | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | _ | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | _ | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| (*140 | 3315000 | 315000 Lab Sample ID#: | | | | | 210915-8 | | | |
|--|--|--|---|--|---|---|--|------------|--|--|
| | | | | Report | One of the Foll | owina | | | | |
| CAS# | | ED AND UNREGULA S CONTAMINANTS | Results³ μg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check Y) | ORSG¹ μg/L | MRL² μg/L | | | |
| | | | | | | | | | | |
| | 1.1.0 | | | | | | *************************************** | | | |
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| | | | | | | | | | | |
| The minimun onditions. | P ORSG is <u>0.070 µg/L</u> for Pl n reporting level (MRL) is the nt blank (FRB) must be ana | e lowest concentrat | ion of the substance | tested that can b | e reported reli | ably under nor | | tory | | |
| The minimum anditions. A field reager Check this | n reporting level (MRL) is the | e lowest concentrat yzed and reported | ion of the substance on a separate PFAS | tested that can b | I added together e reported reli | r. ably under nor | | tory | | |
| The minimum nditions. Tield reaged Check this | n reporting level (MRL) is the nt blank (FRB) must be anal box if attaching lab report to | e lowest concentrat yzed and reported show additional Pl | ion of the substance on a separate PFAS | tested that can b | I added together e reported reli | r. ably under nor | | ltory | | |
| The minimum nditions. In field reaged Check this | n reporting level (MRL) is the nt blank (FRB) must be anal box if attaching lab report to | e lowest concentrat yzed and reported show additional Pl | ion of the substance on a separate PFAS FAS | tested that can b form if any PFAS | added together e reported reli s are detected | r. ably under nor | | tory | | |
| The minimum nditions. In field reaged Check this | n reporting level (MRL) is the nt blank (FRB) must be anal box if attaching lab report to | e lowest concentrate yzed and reported show additional Pl Surro | ion of the substance on a separate PFAS FAS gate Name | tested that can b form if any PFAS % Recovery | added together e reported reli are detected | r. ably under nor | | tory | | |
| The minimum nditions. In field reaged Check this | n reporting level (MRL) is the nt blank (FRB) must be anal box if attaching lab report to | e lowest concentrate yzed and reported show additional Pl Surro SS-HFP SS-NEt | ion of the substance on a separate PFAS FAS gate Name | tested that can b form if any PFAS % Recovery 9 8 | added together e reported reli s are detected (70 – 130%) | r. ably under nor | | ltory | | |
| The minimun onditions. A field reage Check this | n reporting level (MRL) is the nt blank (FRB) must be anal box if attaching lab report to | show additional Pl Surro SS-HFP SS-NEt | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 | tested that can b form if any PFAS | added together e reported reli s are detected (70 – 130%) 7 | r. ably under nor | | tory | | |
| The minimum nditions. A field reage of the field re | n reporting level (MRL) is the nt blank (FRB) must be anal box if attaching lab report to | show additional Pl Surro SS-HFP SS-NEt SS-PF SS-PF Diveries above you in LFB, LFSM and eit | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 must attach the result her a FD or LFSMD about Primary | % Recovery % 8 8 9 s of the ongoing | (70 – 130%) 7 4 6 7 quality controls and the controls are detected | ably under nor above the MR | e extraction | | | |
| The minimum nditions. A field reage of the contains addition to reclude this sertify under personand to the contains and the | nreporting level (MRL) is the nt blank (FRB) must be analysis and box if attaching lab report to hinants tested. The period of law that I am the period information contained hereinteents in the period of the information contained hereinteents in the period of law that I am the per | show additional Plants show additional Plants Surro SS-HFP SS-NEt SS-PF SS-PF Diveries above you in LFB, LFSM and either its son authorized to fill on its true, accurate and the son authorized and the son authorized and the son authorized and the son authorized to fill on its true, accurate and t | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 must attach the result her a FD or LFSMD about Primary and Primary are sof this report to your primary are soft this year. | % Recovery % Recovery 9 8 8 9 s of the ongoing as specified in the | (70 – 130%) 7 4 6 7 quality control a method. Signature: Date: | ably under nor above the MR results for the Caval and a 2-14 or later than 10 | e extraction L. Lus - 20 days after | batch that | | |
| The minimum onditions. A field reager Check this sults/contam addition to reludes this sertify under price form and the implete to the lift not submitted. | nreporting level (MRL) is the nt blank (FRB) must be analysis and box if attaching lab report to hinants tested. reporting the Surrogate Recusample. These include LRB, enalties of law that I am the perhe information contained herein best extent of my knowledge. | show additional Plants show additional Plants SS-HFP SS-NEt SS-PF SS-PF Description and the structure of the | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 must attach the result her a FD or LFSMD about Primary and Primary are sof this report to your primary are soft this year. | % Recovery % Recovery 9 8 8 9 s of the ongoing as specified in the | (70 – 130%) 7 4 6 7 quality control a method. Signature: Date: | ably under nor above the MR results for the Caval and 2-14 or later than 10 | e extraction Luc - 20 days after is sooner. | batch that | | |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer t | to your Mass DEP W | ater Quality Sam | oling Sc | hedule | (WQSS) to I | ielp con | plete this | form | |
|---------------------------------------|----------------|--------------------------------------|--|--|-----------|-------------------------------|----------------------------------|--------------|------------------------|--|--|
| PWS ID #: | 33 | 15000 | | City / ٦ | own: | WAY | LAND | | | | |
| PWS Name: | WA | YLAND WAT | ER DEPARTMENT | T | | PWS Class: COM ⊠ NTNC ☐ TNC ☐ | | | | | |
| Mass DEP LOCATION (LOC) ID# | | | | | | | ample Information Date Collected | | | Collected By | |
| | HAPPY BLANK | PPY HOLLOW REPLACEMENT WELLS - FIELD | | | | | (R)aw | ed | 1/14/20 | J. Worthington | |
| Routine or | | Original, Resub | mitted or | operpenyemma yangan mayammayon kankakida bindishida babinda bindishida bindishida bindishida bindishida bindishida | | If Res | ubmitted Rep | ort, list be | elow: | (shahda adala manda manda da manda da mana mana mana | |
| Special Sample | | Confirmation | | (1) Reaso | n for Res | ubmissi | on | (2) Co | llection Da | te of Original Sample | |
| ☐ RS ☐ SS | ⊠ Orig | inal 🗌 Resubmitt | ubmitted ☐ Confirmation ☐ Resample ☐ Reanalysi | | | | t Correction | | | | |
| SAMPLE NOTES | – Such as, if | a Manifold/Multip | le sample, list the source | e(s) that were on-line | during sa | mple coll | ection. | | | | |
| | | | <u> </u> | | · | | | | | | |
| II. ANALYTIC | AL LABO | RATORY INF | ORMATION: | | | | omesalista en la cina | | nasanisansasani | | |
| Primary Lab Ce | ert.#: | M-MA1118 | Primary Lab Nam | ne: NASHOBA ANALYTICAL | | | | | Subcontracted? (Y/N) Y | | |
| Analysis Lab C | ert. #: | M-IN035 | Analysis Lab Nam | e: EUROFINS - E | ATON A | NALYTIC | AL | | | | |
| If Analysis Lab list certification | | - | DEP or U.S. EPA, | | | | | | | | |
| Lab Meth | od | Date Extract | ed Date Analyzed | Lab Sample ID# | | | E NOTES - Inc litional contam | | | whether sample was | |
| EPA 537 | 7.1 | 1/27/20 | 1/28/20 | 210915-8FB | | | | | | | |

| | DECLE ATER AND UNDERLINE ATER | Report | One of the Foll | owing | ORSG1 | MRL ² | |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|--|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check *) | μg/L | μg/L | |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | ~~~~ | | Ø | 0.070 | 0.002 | |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | Ø | 0.070 | 0.002 | |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | × | 0.070 | 0.002 | |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | ⊠ | 0.070 | 0.002 | |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | × | 0.070 | 0.002 | |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | × | - | 0.002 | |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 | |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | Ø | - | 0.002 | |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | | Ø | - | 0.002 | |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 | |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | Ø | - | 0.002 | |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 | |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | - | 0.002 | |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | × | - | 0.002 | |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | | |

The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

conditions.

3 A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS | 3315000 | | | Lab Samı | ple ID#: | 210 | 210915-8FB | | |
|---|--|--|--|--------------------------------|--|--------------------------------------|--|------------------|--|
| | | | | | | | | | |
| *************************************** | | | | Repor | t One of the Foll | owing | ORSG1 | MRL ² | |
| CAS# | | 'ED AND UNREGULA' S CONTAMINANTS | ΓED | Results³ µg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check Y) | μg/L | μg/L | |
| | - 10000-100-100 | | | | | | | | |
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| | | | | 1 | | | | | |
| The minimum | P ORSG is <u>0.070 µg/L</u> for P n reporting level (MRL) is th ent blank (FRB) must be ana | e lowest concentrati | on of the substance t | ested that can l | be reported reli | ably under no | | ory | |
| The minimul conditions. A field reage | m reporting level (MRL) is the ent blank (FRB) must be ana to be a some the box if attaching lab report to | e lowest concentrati | on of the substance t | ested that can l | added togethe be reported reli | r. ably under no | | ory | |
| The minimul conditions. A field reage | m reporting level (MRL) is th ent blank (FRB) must be ana | e lowest concentrati | on of the substance to a separate PFAS f | ested that can I | added togethe be reported reli S are detected | r. ably under no | | ory | |
| The minimul conditions. A field reage | m reporting level (MRL) is the ent blank (FRB) must be ana to be a some the box if attaching lab report to | e lowest concentration in the | on of the substance t | ested that can lorm if any PFA | added togethe be reported reli | r. ably under no | | ory | |
| The minimul onditions. A field reage | m reporting level (MRL) is the ent blank (FRB) must be ana to be a some the box if attaching lab report to | e lowest concentration in the lowest concentration is lowest concentration in the lowe | on of the substance to a separate PFAS f FAS | ested that can lorm if any PFA | added togethe be reported reli S are detected | r. ably under no | | ory | |
| The minimul conditions. A field reage | m reporting level (MRL) is the ent blank (FRB) must be ana to be a some the box if attaching lab report to | e lowest concentration in the concentration is shown additional PF Surrog SS-HFPe SS-NEti | on of the substance to a separate PFAS f FAS gate Name O-DA-13C3 | ested that can l | added togethe be reported reli S are detected y (70 – 130%) | r. ably under no | | ory | |
| The minimul conditions. A field reage | m reporting level (MRL) is the ent blank (FRB) must be ana to be a some the box if attaching lab report to | e lowest concentration in the lowest concentration is shown additional PF Surrog SS-HFP SS-NEtt SS-PF | on of the substance to a separate PFAS f FAS gate Name O-DA-13C3 FOSAA-d5 | % Recover | added togethe be reported reli S are detected y (70 – 130%) 90 85 | r. ably under no | | ory | |
| The minimum onditions. A field reage Check this esults/contar | m reporting level (MRL) is the ent blank (FRB) must be ana to be a some the box if attaching lab report to | e lowest concentration in the concentration is shown additional PF Surrog SS-HFP SS-PF SS-PF coveries above your | on of the substance to on a separate PFAS for a separate PFAS for a separate PFAS for a separate Name O-DA-13C3 FOSAA-d5 DA-13C2 HxA-13C2 must attach the results | % Recover | added togethe be reported reliced. S are detected by (70 – 130%) 90 85 94 99 quality contro | r. ably under not above the MR | RL. | | |
| The minimum onditions. A field reage Check this esults/contar addition to ncludes this certify under phis form and | reporting level (MRL) is the ent blank (FRB) must be analysis box if attaching lab report to minants tested. Treporting the Surrogate Received and the sample. These include LRB, penalties of law that I am the pethe information contained here | e lowest concentration in the concentration is shown additional PF Surrog SS-HFP SS-NEt SS-PF SS-PF coveries above your LFB, LFSM and eith reson authorized to fill of | on of the substance to on a separate PFAS for | % Recover | added togethe be reported reliced. S are detected by (70 – 130%) 90 85 94 99 quality contro | r. ably under nor above the MF | e extraction | | |
| The minimum conditions. A field reage Check this esults/contar n addition to ncludes this a certify under parties form and complete to the | reporting level (MRL) is the ent blank (FRB) must be analysis box if attaching lab report to minants tested. The reporting the Surrogate Recomples and the end of th | e lowest concentration of the | on of the substance to on a separate PFAS for a separate primary f | % Recover | added togethe be reported reliable reported reliable. S are detected y (70 – 130%) 90 85 94 99 g quality controlle method. r Signature: Date: | above the MF | e extraction L - Z 0 days after | batch that | |
| The minimum conditions. A field reage Check this esults/contar In addition to includes this: I certify under paths form and complete to the left not submit | reporting level (MRL) is the ent blank (FRB) must be analysis box if attaching lab report to minants tested. The properties of law that I am the perticular information contained here to best extent of my knowledge. | e lowest concentration of the | on of the substance to on a separate PFAS for a separate primary f | % Recover | added togethe be reported reliable reported reliable. S are detected y (70 – 130%) 90 85 94 99 g quality controlle method. r Signature: Date: | above the MF | e extraction L - Zo 0 days after r is sooner. | batch that | |



Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MAT | ION: Please refer | to your Mass DEP | Wate | er Quality Sampl | ing Sc | hedule | (WQSS) to h | elp c | omplete this | form |
|---------------------------------------|---------|-------------------------------|---|-------|---|-------------|--|---------------------------------|--|--|--|
| PWS ID #: | | 3315000 | | | City / To | wn: | WAYI | AND | | | |
| PWS Name: | | WAYLAND WAT | ER DEPARTMEN | 4T | | | PWS Class: COM 🖾 NTNC 🗌 TNC 🗌 | | | | |
| Mass DEP LOCATION (LOC) ID# | | | | | | | ample Information Date Collected Colle | | | Collected By | |
| RW-08G | CHA | AMBERLAIN WEI | ERLAIN WELL | | | | ultiple ngle | 🛛 (R)aw 🔲 (F)inishe | :d | 1/14/20 | J. Worthington |
| Routine or | | Original, Resul | interioration (alternative) Herein (Herein (Herein Herein) Herein | | | bmitted Rep | 44 | | INDER INDERMINICATION OF THE PROPERTY OF THE P | | |
| Special Sample | | | | | | for Res | ubmissi | on | (2) | Collection Dat | e of Original Sample |
| ☐RS ☐SS | ⋉ | Original 🔲 Resubmit | ted Confirmation | |] Resample ☐ Rea | nalysis | ☐ Repor | t Correction | | | |
| SAMPLE NOTES | – Such | as, if a Manifold/Multip | ole sample, list the sour | ce(s) | that were on-line du | uring sa | mple colle | ection. | | | |
| | | | | | | | | | | | |
| II. ANALYTIC | AL L | ABORATORY INF | ORMATION: | | | | | | | | |
| Primary Lab Ce | ert. #: | M-MA1118 | Primary Lab Na | me: | ne: NASHOBA ANALYTICAL Subcontracted? (Y/N) | | | | | acted? (Y/N) Y | |
| Analysis Lab C | ert.# | M-IN035 | Analysis Lab Na | me: | EUROFINS - EA | TON A | NALYTIC | AL | | AL 114 M 114 W 114 | |
| If Analysis Lab list certification | | t certified by Mass oritv: | DEP or U.S. EPA, | | | | | | | | AAAAAAAA - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 |
| Lab Meti | nod | Date Extract | ed Date Analyzed | | Lab Sample ID# | | | E NOTES - Inc itional contam | | | whether sample was |
| EPA 53 | 7.1 | 1/23/20 | 1/24/20 | | 210915-9 | | | | | | |

| | | Report | One of the Foli | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check ¥)</mrl | <1/3MRL (Check ') | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | 0.0033 | | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0061 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | × | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | M | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | 0.0026 | | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | × | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | _ | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | ******* | | Ø | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0032 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | <u> </u> | | × | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⋈ | _ | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | _ | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS ID#: | 3315000 | | Lab Samp | le ID#: | 21 | 0915-9 | |
|--|--|--|---|---|--|--------------------------------------|------------------|
| | | - | | | | | |
| | | | Report | One of the Foll | owing | ORSG1 | MRL ² |
| CAS# | REGULATED AND UNREGU PFAS CONTAMINANT | | Results³ μg/L | <mrl (Check *)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
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| | | Million Control | | | | | |
| | A A A A A A A A A A A A A A A A A A A | | | | | | |
| | | | | | | | |
| he minimum rep | ISG is <u>0.070 µg/L</u> for PFOA, PFOS, PFI orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reporte | ration of the substance t | ested that can b | e reported reli | ably under no | | tory |
| he minimum rep nditions. field reagent bla Check this box | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reporte if attaching lab report to show additional | ration of the substance t | ested that can b | added togethe e reported reli | r. ably under no | | tory |
| he minimum rep nditions. field reagent bla Check this box | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reporte if attaching lab report to show additional its tested. | ration of the substance ted on a separate PFAS | ested that can b | added togethe e reported reli 6 are detected | r. ably under no | | tory |
| he minimum rep nditions. field reagent bla Check this box | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported if attaching lab report to show additional its tested. | ration of the substance t | ested that can b form if any PFAS % Recovery | added togethe e reported reli | r. ably under no | | tory |
| he minimum rep nditions. field reagent bla Check this box | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported if attaching lab report to show additional its tested. Su SS-H | ration of the substance ted on a separate PFAS | ested that can b form if any PFAS % Recovery | added togethe e reported reli 6 are detected | r. ably under no | | tory |
| he minimum rep nditions. field reagent bla Check this box | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported if attaching lab report to show additional its tested. Su SS-H SS-N | ration of the substance ted on a separate PFAS I PFAS rrogate Name IFPO-DA-13C3 | ested that can b form if any PFAS % Recovery | added togethe e reported reli S are detected | r. ably under no | | tory |
| The minimum rep nditions. A field reagent bla | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and report if attaching lab report to show additional its tested. Su SS-H SS-N SS-N | ration of the substance ted on a separate PFAS I PFAS rrogate Name IFPO-DA-13C3 | ested that can b form if any PFAS % Recovery | added togethe e reported reli 6 are detected (70 – 130%) | r. ably under no | | tory |
| The minimum rep nditions. A field reagent bla Check this box sults/contaminan addition to repor cludes this samp | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported if attaching lab report to show additional its tested. Su SS-H SS-H SS-Iting the Surrogate Recoveries above you le. These include LRB, LFB, LFSM and its of law that I am the person authorized to its analyzed and reported. | ration of the substance to the doma separate PFAS I PFAS I PFAS I PFAS I PFAS I PFO-DA-13C3 NEtFOSAA-d5 -PFDA-13C2 PFHxA-13C2 Du must attach the result either a FD or LFSMD attact out Primary | % Recovery | added togethe e reported reliable are detected (70 – 130%) 88 66 33 94 quality controle method. | above the MF | RL. | |
| he minimum reportitions. field reagent black Check this box is sults/contaminant addition to reportition to | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported if attaching lab report to show additional its tested. Su SS-H SS-N SS SS-Iting the Surrogate Recoveries above you le. These include LRB, LFB, LFSM and | ration of the substance to the doma separate PFAS I PFAS I PFAS I PFAS I PFAS I PFO-DA-13C3 NEtFOSAA-d5 -PFDA-13C2 PFHxA-13C2 Du must attach the result either a FD or LFSMD attact out Primary | % Recovery % sof the ongoing specified in the | added togethe e reported reliable are detected (70 – 130%) 88 66 33 94 quality controle method. | above the MF | e extraction | |
| he minimum reponditions. field reagent black this box sults/contaminant addition to reporcludes this sample to the best form and the inmplete to the best for the sulmitting the sulmitten | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported if attaching lab report to show additional its tested. Su SS-H SS-H SS-Conting the Surrogate Recoveries above you le. These include LRB, LFB, LFSM and the set of law that I am the person authorized to a formation contained herein is true, accurate | ration of the substance to the dona a separate PFAS of the substance of th | % Recovery % Recovery s s of the ongoing as specified in the Lab Director | added togethe e reported reli are detected (70 - 130%) 8 66 83 94 quality control e method. Signature: Date: gional Office in | I results for the Lavel & Z - 14 o later than 10 | e extraction Lucy - Zo days after | batch that |
| The minimum reponditions. A field reagent black in the field reagent | orting level (MRL) is the lowest concent ank (FRB) must be analyzed and reported and (FRB) must be analyzed and reported if attaching lab report to show additional its tested. Su SS-H SS-H SS-H SS-Iting the Surrogate Recoveries above you lee. These include LRB, LFB, LFSM and its of law that I am the person authorized to a formation contained herein is true, accurate extent of my knowledge. | ration of the substance to the dona a separate PFAS of the substance of th | % Recovery % Recovery s s of the ongoing as specified in the Lab Director | added togethe e reported reli are detected (70 - 130%) 8 66 83 94 quality control e method. Signature: Date: gional Office in | I results for the Lavel & Z - 14 o later than 10 | e extraction Lucy - Zo days after | batch that |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATIC | DN:⊚Please refer t | o your Mass DEP V | Vater Quality San | pling So | hedule | (WQSS) to | help c | omplete this | form | |
|---------------------------------------|----------|-----------------------------|--------------------------|--|------------|-----------|----------------------------------|----------|---------------------------------------|--|------------|
| PWS ID#: | | 3315000 | | City / | Town: | WAY | LAND | | | | |
| PWS Name: | | WAYLAND WAT | ER DEPARTMEN | Γ | |] | PWS Clas | s: (| COM 🛛 N | TNC TNC | |
| Mass DEP LOCATION (LOC) ID# | | Mass | DEP Location Name | | San | ıple Ir | nformatio | on | Date Collected | Collected B | у |
| | СНА | MBERLAIN WEL | L – FIELD BLAN | (| (M) | | (R)aw | ed | 1/14/20 | J. Worthingt | on |
| Routine or | | Original, Resub | mitted or | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | If Res | ubmitted Rep | ort, lis | t below: | 10100010100001010100000001010000000000 | |
| Special Sample | | Confirmation | Report | (1) Reas | on for Res | submissi | on | (2) | Collection Da | te of Original Sam | ple |
| ☐ RS ☐ SS | Ø | Original 🗌 Resubmitte | ed Confirmation | ☐ Resample ☐ F | teanalysis | ☐ Repo | rt Correction | | | | |
| SAMPLE NOTES | - Such a | ıs, if a Manifold/Multip | e sample, list the sourc | e(s) that were on-line | during sa | mple coll | ection. | | | | |
| | | | | | | | | | | | |
| II. ANALYTIC | AL LA | BORATORY INF | ORMATION: | | | | | | | | andiretii. |
| Primary Lab Ce | ert. #: | M-MA1118 | Primary Lab Nam | e: NASHOBA AN | IALYTICA | L | | ~~~ | Subcontr | acted? (Y/N) | Υ |
| Analysis Lab C | ert.#: | M-IN035 | Analysis Lab Nam | e: EUROFINS - 1 | EATON A | NALYTIC | AL | | · · · · · · · · · · · · · · · · · · · | | |
| If Analysis Lab list certification | | certified by MassC ritv: | DEP or U.S. EPA, | | | | | | | 440000 | |
| Lab Meth | od | Date Extracte | Date Analyzed | Lab Sample ID# | | | E NOTES - Ind ditional contam | | | whether sample w | as |
| EPA 537 | 7.1 | 1/27/20 | 1/28/20 | 210915-9FB | | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|---|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check *)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | Ø | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | ⊠ | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | × | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | ⊠ | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | ⊠ | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | *************************************** | | × | • | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | ⋈ | | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | | ⊠ | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | × | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | × | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | × | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafiuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | _ | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory

conditions.

3 A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| L. AAS | 3315000 3315000 | | | Lab Sam | ole ID#: | 210 | 915-9F | В |
|--|--|--|---|--|--|-----------------------------|---|-----------------------|
| | | | | Repor | t One of the Foll | owing | 00001 | |
| CAS# | | AND UNREGULA ONTAMINANTS | TED | Results³ μg/L | <mrl (Check ✓)</mrl | <1/3MRL (Check Y) | ORSG¹ μg/L | MRL² μg/L |
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| · | 12-41444-4444-444-444-444-444-444-444-44 | | | | | | | - Annual and a second |
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| he minimur nditions. | P ORSG is <u>0.070 µg/L</u> for PFO n reporting level (MRL) is the lo ent blank (FRB) must be analyze | west concentrati | ion of the substance | tested that can i | e reported reli | ably under nor | | tory |
| The minimur nditions. A field reage | m reporting level (MRL) is the lo ent blank (FRB) must be analyze box if attaching lab report to sh | west concentrati | ion of the substance | tested that can i | added togethe be reported reli | r. ably under nor | | tory |
| he minimur nditions. field reage Check this | m reporting level (MRL) is the lo | west concentration and reported for the second seco | ion of the substance on a separate PFAS | tested that can I | added togethe pe reported reli S are detected | r. ably under nor | | tory |
| he minimur nditions. field reage Check this | m reporting level (MRL) is the lo ent blank (FRB) must be analyze box if attaching lab report to sh | ed and reported now additional Property | ion of the substance on a separate PFAS FAS gate Name | tested that can it form if any PFA | added togethe be reported reli S are detected | r. ably under nor | | tory |
| he minimur nditions. field reage Check this | m reporting level (MRL) is the lo ent blank (FRB) must be analyze box if attaching lab report to sh | ed and reported now additional PF | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 | tested that can I | added togethe pe reported reli S are detected | r. ably under nor | | tory |
| the minimur nditions. field reage Check this | m reporting level (MRL) is the lo ent blank (FRB) must be analyze box if attaching lab report to sh | ed and reported now additional Programme Surrog | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 | % Recovery | added togethe pe reported reli S are detected (70 - 130%) | r. ably under nor | | tory |
| The minimur nditions. A field reage | m reporting level (MRL) is the lo ent blank (FRB) must be analyze box if attaching lab report to sh | ed and reported and reported sow additional PF Surrog SS-HFP SS-NEt SS-PF | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 | tested that can I | added togethe per reported reliable. S are detected (70 – 130%) | r. ably under nor | | tory |
| The minimur nditions. A field reage Check this sults/contar | m reporting level (MRL) is the lo ent blank (FRB) must be analyze box if attaching lab report to sh | swest concentration of the con | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 DA-13C2 HxA-13C2 must attach the resu | % Recover | added togethe per reported reliable (and togethe per reported reliable (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | ably under nor | L. | |
| the minimur nditions. field reage Check this sults/contant addition to cludes this sertify under parties of the sertify under parties of the sertify under parties of the mand its sertify under parties form and its sertify under parties of the sertification of the | reporting level (MRL) is the local transfer of law that I am the person the information contained herein is | swest concentration of and reported from additional Pf Surrog SS-HFP SS-NEt SS-PF SS-PF stries above you r B, LFSM and either authorized to fill of | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 must attach the resulter a FD or LFSMD ut Primar | % Recover | added togethe per reported reliable for reported reliable. So are detected (70 - 130%) 26 27 29 20 20 20 20 20 20 20 20 20 20 20 20 20 | ably under nor above the MR | extraction | |
| The minimur nditions. I field reage Check this sults/contant addition to cludes this sertify under p is form and implete to the | reporting level (MRL) is the local transfer of law that I am the personate information contained herein is best extent of my knowledge. | swest concentration of the surrous authorized to fill of true, accurate authorized to fill of true, accur | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 HxA-13C2 must attach the resulter a FD or LFSMD ut Primar nd es of this report to ye | % Recovery % Recovery tts of the ongoing as specified in the purpose our MassDEP Re- | added togethe be reported reli S are detected (70 - 130%) 96 87 97 05 quality contro e method. Signature: Date: gional Office no | above the MR | extraction Country days after | batch that |
| The minimum inditions. It is field reage to the contain addition to cludes this sertify under part of the contain and the cont | reporting level (MRL) is the local transfer of law that I am the person the information contained herein is best extent of my knowledge. | swest concentration of the surrous authorized to fill of true, accurate authorized to fill of true, accur | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 must attach the resulter a FD or LFSMD aut or Primar des of this report to yellater than 10 days a | % Recovery % Recovery tts of the ongoing as specified in the purpose our MassDEP Re- | added togethe be reported reli S are detected (70 - 130%) 96 87 97 05 quality contro e method. Signature: Date: gional Office no | above the MR | extraction - Zo days after is sooner. | batch that |
| The minimur nditions. A field reage of the field re | reporting level (MRL) is the local transfer of law that I am the personate information contained herein is best extent of my knowledge. | Surroy SS-HFP SS-NEt SS-PF SS-PF stries above you r B, LFSM and eith authorized to fill of true, accurate at mail TWO copie this report or no | ion of the substance on a separate PFAS FAS gate Name O-DA-13C3 FOSAA-d5 FDA-13C2 HxA-13C2 HxA-13C2 must attach the resulter a FD or LFSMD ut Primar nd es of this report to ye | % Recovery % Recovery tts of the ongoing as specified in the purpose our MassDEP Re- | added togethe be reported reli S are detected (70 - 130%) 96 87 97 05 quality contro e method. Signature: Date: gional Office no | above the MR | extraction - Zo days after is sooner. | batch that |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer t | o your Mass DEP W | ater Quality Sar | npling So | hedule | (WQSS) to h | elp complete thi | s form |
|---------------------------------------|---------------|-------------------|----------------------------|------------------------------------|----------------|-----------|------------------------|--|------------------------|
| PWS ID #: | 331 | 15000 | | City / | Town: | WAY | LAND | | _L-bimmov |
| PWS Name: | WA | YLAND WAT | ER DEPARTMEN | | | | PWS Class | s: COM 🖾 I | TNC TNC |
| Mass DEP LOCATION (LOC) ID# | | Mass | DEP Location Name | | San | ıple lı | nformatio | n Date Collected | Collected By |
| 10008 | СНАМВІ | ERLAIN WEL | L | | ☐ (M) ☑ (S) | | ☐ (R)aw ☐ (F)inishe | ed 1/14/20 | J. Worthington |
| Routine or | | Original, Resub | mitted or | | | If Res | ubmitted Rep | ort, list below: | |
| Special Sample | | Confirmation | | (1) Reas | on for Re | submissi | on | (2) Collection D | ate of Original Sample |
| □RS □SS | ☑ Origin | nal 🔲 Resubmitt | ed 🔲 Confirmation | ☐ Resample ☐ I | Reanalysis | Repo | t Correction | | |
| SAMPLE NOTES | - Such as, if | a Manifold/Multip | le sample, list the source | e(s) that were on-lin | e during sa | mple coll | ection. | | |
| | | | | | | | | | |
| II. ANALYTIC | AL LABOI | RATORY INF | ORMATION: | province protection and the second | | | | n Martin (San Marin Marin (San Marin Marin) | |
| Primary Lab Ce | ert.#: [| M-MA1118 | Primary Lab Nam | e: NASHOBA A | NALYTICA | \L | | Subcon | tracted? (Y/N) |
| Analysis Lab C | ert.#: [| M-IN035 | Analysis Lab Nam | e: EUROFINS - | EATON A | NALYTIC | AL | | |
| if Analysis Lab list certification | | | DEP or U.S. EPA, | | | | | | |
| Lab Meth | nod | Date Extract | ed Date Analyzed | Lab Sample ID | | | | clude information as inants detected. | to whether sample was |
| EPA 53 | 7.1 | 1/23/20 | 1/24/20 | 210915-10 | | | 180 | | |

| | | Report | One of the Foli | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | 0.0035 | | | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | 0.0063 | | | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | ⊠ | | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | × | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | 0.0027 | | | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | 11100 | × | | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | ⊠ | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | 0.0030 | | | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | ⊠ | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | - | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | ⊠ | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

The MassDEP ORSG is 0.070 µg/L for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWSI | ID#: 3315000 | | Lab Samp | le ID#: | 21 | 0915-10 | |
|--|--|--|---|--|--------------------------------------|--|------------------|
| | | | | | | | |
| | DECUL ATED AND UN | DECINATED | Report | One of the Foll | owing | ORSG1 | MRL ² |
| CAS# | REGULATED AND UN PFAS CONTAMI | | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check *) | μg/L | μg/L |
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| he minimum nditions. | ORSG is 0.070 µg/L for PFOA, PFOS reporting level (MRL) is the lowest co t blank (FRB) must be analyzed and r | ncentration of the substance t | ested that can be | e reported reli | ably under nor | | tory |
| he minimum nditions. field reagent Check this b | reporting level (MRL) is the lowest co t blank (FRB) must be analyzed and r box if attaching lab report to show addi | eported on a separate PFAS f | ested that can be | added togethe e reported reli | r. ably under nor | | tory |
| ne minimum nditions. field reagent Check this b | reporting level (MRL) is the lowest co t blank (FRB) must be analyzed and r box if attaching lab report to show addi | ncentration of the substance to eported on a separate PFAS to titional PFAS | ested that can b | added togethe e reported reli s are detected | r. ably under nor | | tory |
| he minimum nditions. field reagent Check this b | reporting level (MRL) is the lowest co t blank (FRB) must be analyzed and re pox if attaching lab report to show addinants tested. | eported on a separate PFAS f | ested that can be orm if any PFAS | added togethe e reported reli s are detected | r. ably under nor | | tory |
| he minimum nditions. field reagent Check this b | reporting level (MRL) is the lowest co t blank (FRB) must be analyzed and re pox if attaching lab report to show addinants tested. | eported on a separate PFAS fittional PFAS Surrogate Name | % Recovery | added togethe e reported reli care detected | r. ably under nor | | tory |
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| The minimum nditions. If field reagent the field the fie | reporting level (MRL) is the lowest control to blank (FRB) must be analyzed and report to show additionants tested. Exporting the Surrogate Recoveries about the state of law that I am the person authorized information contained herein is true, as these results electronically, mail Types to the state of | eported on a separate PFAS in itional PFAS Surrogate Name SS-HFPO-DA-13C3 SS-NEtFOSAA-d5 SS-PFDA-13C2 SS-PFHxA-13C2 SS-PFHxA-13C2 Ove you must attach the result of and either a FD or LFSMD and either a FD or LFSMD and the courage and the securate and the subsection of this report to you. | % Recovery % Recovery 9 8 8 9 s of the ongoing s specified in the | (70 – 130%) (70 – 130%) (8 are detected (70 – 130%) (8 are detected (70 – 130%) (8 are detected (70 – 130%) (9 are detected (9 are d | above the MR | e extraction Luar -20 days after is sooner. | batch that |



PFAS

Per- and Polyfluoroalkyl Substances (PFAS) Report

| I. PWS INFOR | MATION: | Please refer t | to your Mass DEP W | ater Quality Sa | mpling So | hedule | (WQSS) to | help | complete this | form | |
|---------------------------------------|---------------|-------------------|----------------------------|---------------------|----------------|------------------|-----------------------------|-------------|--------------------------|---------------------|-----|
| PWS ID #: | 33 | 15000 | | City | / Town: | WAYI | AND | | | | |
| PWS Name: | WA | YLAND WAT | ER DEPARTMENT | - | |] | PWS Clas | s: | COM 🛛 N | TNC 🗌 TNC 🗆 |] |
| Mass DEP LOCATION (LOC) ID# | | Mass | DEP Location Name | | San | ıple Ir | nformatio | on | Date Collected | Collected By | , |
| | CHAMB | ERLAIN WEL | L – FIELD BLANK | | ☐ (M) ☐ (S) | ultiple ingle | (R)aw (F)inish | ed | 1/14/20 | J. Worthingto | on |
| Routine or | | Original, Resub | mitted or | | | If Res | ubmitted Rep | ort, li | st below: | | |
| Special Sample | | Confirmation | | (1) Rea | son for Re | submissi | on | (2 |) Collection Da | te of Original Samp | ple |
| □ RS □ SS | ⊠ Orig | inal 🗌 Resubmitte | ed Confirmation | ☐ Resample ☐ | Reanalysis | ☐ Repor | t Correction | | | | |
| SAMPLE NOTES | - Such as, if | a Manifold/Multip | le sample, list the source | (s) that were on-li | ne during sa | mple colle | ection. | | | | |
| II. ANALYTIC | AL LABO | RATORY INF | ORMATION: | | | | | ON OSS TO S | Likeri tusi teeli maakuu | | |
| Primary Lab Ce | ert.#: | M-MA1118 | Primary Lab Name | e: NASHOBA | ANALYTICA | L | | | Subconti | racted? (Y/N) | Υ |
| Analysis Lab C | ert.#: | M-IN035 | Analysis Lab Namo | e: EUROFINS | - EATON A | NALYTIC | AL | | , | 1111111 | |
| If Analysis Lab list certification | | | DEP or U.S. EPA, | | | | | | | | |
| Lab Meth | ıod | Date Extracte | ed Date Analyzed | Lab Sample I | | | E NOTES - Inditional contam | | | whether sample wa | as |
| EPA 53' | 7.1 | 1/28/20 | 1/28/20 | 210915-10F | В | | | | | | |

| | | Report | One of the Foll | owing | ORSG1 | MRL ² |
|-------------|--|------------------|----------------------------|----------------------|-------|------------------|
| CAS# | REGULATED AND UNREGULATED PFAS CONTAMINANTS | Results³ μg/L | <mrl (Check Y)</mrl | <1/3MRL (Check Y) | μg/L | μg/L |
| 1763-23-1 | Perfluorooctane Sulfonic Acid (PFOS) | | | Ø | 0.070 | 0.002 |
| 335-67-1 | Perfluorooctanoic Acid (PFOA) | | | Ø | 0.070 | 0.002 |
| 355-46-4 | Perfluorohexane Sulfonic Acid (PFHxS) | | | ⊠ | 0.070 | 0.002 |
| 375-95-1 | Perfluorononanoic Acid (PFNA) | | | ⊠ | 0.070 | 0.002 |
| 375-85-9 | Perfluorohepatanoic Acid (PFHpA) | | | × | 0.070 | 0.002 |
| 375-73-5 | Perfluorobutane sulfonic acid (PFBS) | | | ⊠ | - | 0.002 |
| 335-76-2 | Perfluorodecanoic acid (PFDA) | | | × | - | 0.002 |
| 307-55-1 | Perfluorododecanoic acid (PFDoA) | | | × | - | 0.002 |
| 307-24-4 | Perfluorohexanoic acid (PFHxA) | | | × | - | 0.002 |
| 376-06-7 | Perfluorotetradecanoic acid (PFTA) | | | Ø | - | 0.002 |
| 72629-94-8 | Perfluorotridecanoic acid (PFTrDA) | | | ⊠ | _ | 0.002 |
| 2058-94-8 | Perfluoroundecanoic acid (PFUnA) | | | ⊠ | - | 0.002 |
| 2991-50-6 | N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA) | | | Ø | - | 0.002 |
| 2355-31-9 | N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA) | | | ⊠ | - | 0.002 |
| 763051-92-9 | 11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | | | | - | |
| 756426-58-1 | 9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS) | | | | - | |
| 919005-14-4 | 4,8-dioxa-3H-perfluorononanoic acid (ADONA) | | | | - | |
| 13252-13-6 | Hexafluoropropylene oxide dimer acid (HFPO-DA) | | | | - | |

¹ The MassDEP ORSG is <u>0.070 µg/L</u> for PFOA, PFOS, PFHxS, PFNA, and PFHpA, individually or added together.

² The minimum reporting level (MRL) is the lowest concentration of the substance tested that can be reported reliably under normal laboratory conditions.

³ A field reagent blank (FRB) must be analyzed and reported on a separate PFAS form if any PFAS are detected above the MRL.



Per- and Polyfluoroalkyl Substances (PFAS) Report

| PWS II | D#: 3315000 | | Lab Samp | ole ID#: | 210 | 915-10FE | 3 |
|--|--|---|--|--|--------------------------------------|---|--------------|
| | | | Report | t One of the Foll | lowing | | |
| CAS# | REGULATED AND UNREG PFAS CONTAMINAN | | Results³ µg/L | <mrl (Check)</mrl | <1/3MRL (Check *) | ORSG¹ μg/L | MRL² μg/L |
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| ne minimum re iditions. | DRSG is <u>0.070 µg/L</u> for PFOA, PFOS, PF eporting level (MRL) is the lowest concer blank (FRB) must be analyzed and repor | ntration of the substance | tested that can b | e reported reli | ably under nor | | ory |
| e minimum reditions. field reagent l Check this bo | eporting level (MRL) is the lowest concer blank (FRB) must be analyzed and repor ox if attaching lab report to show additiona | ntration of the substance | tested that can b | added together re reported reli | r. ably under nor | | ory |
| e minimum reditions. Tield reagent li Check this bo | eporting level (MRL) is the lowest concer blank (FRB) must be analyzed and repor ex if attaching lab report to show additional ants tested. | ntration of the substance | tested that can b | added together re reported reli | r. ably under nor | | ory |
| e minimum reditions. ield reagent in the control check this bo | eporting level (MRL) is the lowest concer blank (FRB) must be analyzed and report it is attaching lab report to show additional ants tested. | ntration of the substance ted on a separate PFAS al PFAS | tested that can b form if any PFAS | added together e reported reli S are detected | r. ably under nor | | ory |
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| e minimum reditions. field reagent l Check this bo | eporting level (MRL) is the lowest concerblank (FRB) must be analyzed and report it attaching lab report to show additional ants tested. Si SS-H | ntration of the substance ted on a separate PFAS al PFAS urrogate Name HFPO-DA-13C3 | tested that can be form if any PFAS % Recovery 9 | added together re reported relia are detected | r. ably under nor | | pry |
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