BSK Associates Laboratory Fresno
687 N. Laverne Avenue
Fresno, CA 93727
559-497-2888 (Main)

VHJ0133
10/22/2024

Per- and Polyfluoralkyl Substances (PFAS) By EPA Method 537.1

REPORT OF ANALYSIS

Date Collected: **10/08/24**	System Group Type: **A**
Water System ID Number: **93400**	System Name: **City of Washougal**
Lab -- Sample Number: **218-13302**	County: **Clark**
Sample Location: **S04 AFTER TREATMENT**	Source Number(s): (list all sources if blended or composited) **04**
Sample Purpose: (check appropriate box) [X] RC - Routine/Compliance (satisfies monitoring requirements) [ ] C - Confirmation (confirmation of chemical result)* [ ] I - Investigative (does not satisfy monitoring requirements) [ ] O - Other (specify-does not satisfy monitoring requirements)	Date Received: **10/08/24** Date Analyzed: **10/15/24** Date Reported: **10/22/24**
Sample Composition: (check appropriate box) [X] S - Single Source [ ] B - Blended (List source numbers in "Source Numbers" field) [ ] C - Composite (List source numbers in "Source Numbers" field) [ ] D - Distribution sample	Sample Type: (check one) [ ] Pre-Treatment/Untreated (Raw) [X] Post-treatment (Finished) [ ] Unknown or Other Sample Collected by: **Grant D Lewis** Phone Number: **360-835-2662**

Send results to:
City of Washougal
Adam Connolly
1701 C Street, Washougal, WA 98671

Bill to:
City of Washougal
Accounts Payable
1701 C Street, Washougal, WA 98671

REQUIRED ANALYTICAL RESULTS

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		ND	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		ND	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / JNG
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / JNG
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / JNG
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0446	(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / JNG

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NOTES:

***Confirmation:** Include the original lab number, sample number, and collection date of original sample in either comment section.

**To qualify for a monitoring waiver the additional contaminants must be reported to DOH.

DATA QUALIFIER: A symbol or letter to denote additional information about the result.

DOH#: Department assigned contaminant number.

Exceeds SAL: Marked if the contaminant amount exceeds the SAL under chapter 246-290 WAC. If you have questions about this result, please contact the department's drinking water regional office in your area.

METHOD/INITIALS: Analytical method used. / Initials of the analyst that performed the analysis.

ng/L: nanograms per liter or parts per trillion.

SAL (State Action Level) means the concentration of a contaminant or group of contaminants, without an MCL, established to protect public health in accordance with WAC 246-290-315 and which, if exceeded, triggers actions a purveyor takes in accordance with WAC 246-290-320.

SDRL (State Detection Reporting Limit): The minimum reportable detection of a contaminant as established by the department.

ND (Not Detected): In the results column, indicates this compound was analyzed and not detected at a level greater than or equal to the SDRL.

Lab Comments:

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VHJ0133
10/22/2024

Per- and Polyfluoralkyl Substances (PFAS) By EPA Method 537.1

REPORT OF ANALYSIS

Date Collected: **10/08/24**	System Group Type: **A**
Water System ID Number: **93400**	System Name: **City of Washougal**
Lab -- Sample Number: **218-13304**	County: **Clark**
Sample Location: **S06 AFTER TREATMENT**	Source Number(s): (list all sources if blended or composited) **06**
Sample Purpose: (check appropriate box) [X] RC - Routine/Compliance (satisfies monitoring requirements) [ ] C - Confirmation (confirmation of chemical result)* [ ] I - Investigative (does not satisfy monitoring requirements) [ ] O - Other (specify-does not satisfy monitoring requirements)	Date Received: **10/08/24** Date Analyzed: **10/15/24** Date Reported: **10/22/24**
Sample Composition: (check appropriate box) [X] S - Single Source [ ] B - Blended (List source numbers in "Source Numbers" field) [ ] C - Composite (List source numbers in "Source Numbers" field) [ ] D - Distribution sample	Sample Type: (check one) [ ] Pre-Treatment/Untreated (Raw) [X] Post-treatment (Finished) [ ] Unknown or Other Sample Collected by: **Grant D Lewis** Phone Number: **360-835-2662**

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REQUIRED ANALYTICAL RESULTS

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		ND	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		2.90	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / JNG
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / JNG
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / JNG
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0446	(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / JNG

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Per- and Polyfluoralkyl Substances (PFAS) By EPA Method 537.1

REPORT OF ANALYSIS

Date Collected: **10/08/24**	System Group Type: **A**
Water System ID Number: **93400**	System Name: **City of Washougal**
Lab -- Sample Number: **218-13305**	County: **Clark**
Sample Location: **S07 AFTER TREATMENT**	Source Number(s): (list all sources if blended or composited) **07**
Sample Purpose: (check appropriate box) [X] RC - Routine/Compliance (satisfies monitoring requirements) [ ] C - Confirmation (confirmation of chemical result)* [ ] I - Investigative (does not satisfy monitoring requirements) [ ] O - Other (specify-does not satisfy monitoring requirements)	Date Received: **10/08/24** Date Analyzed: **10/15/24** Date Reported: **10/22/24**
Sample Composition: (check appropriate box) [X] S - Single Source [ ] B - Blended (List source numbers in "Source Numbers" field) [ ] C - Composite (List source numbers in "Source Numbers" field) [ ] D - Distribution sample	Sample Type: (check one) [ ] Pre-Treatment/Untreated (Raw) [X] Post-treatment (Finished) [ ] Unknown or Other Sample Collected by: **Grant D Lewis** Phone Number: **360-835-2662**

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REQUIRED ANALYTICAL RESULTS

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		ND	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		2.26	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / JNG
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / JNG
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / JNG
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0446	(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / JNG

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DATA QUALIFIER: A symbol or letter to denote additional information about the result.

DOH#: Department assigned contaminant number.

Exceeds SAL: Marked if the contaminant amount exceeds the SAL under chapter 246-290 WAC. If you have questions about this result, please contact the department's drinking water regional office in your area.

METHOD/INITIALS: Analytical method used. / Initials of the analyst that performed the analysis.

ng/L: nanograms per liter or parts per trillion.

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10/22/2024

Per- and Polyfluoralkyl Substances (PFAS) By EPA Method 537.1

REPORT OF ANALYSIS

Date Collected: **10/08/24**	System Group Type: **A**
Water System ID Number: **93400**	System Name: **City of Washougal**
Lab -- Sample Number: **218-13306**	County: **Clark**
Sample Location: **S05 AFTER TREATMENT**	Source Number(s): (list all sources if blended or composited) **05**
Sample Purpose: (check appropriate box) [X] RC - Routine/Compliance (satisfies monitoring requirements) [ ] C - Confirmation (confirmation of chemical result)* [ ] I - Investigative (does not satisfy monitoring requirements) [ ] O - Other (specify-does not satisfy monitoring requirements)	Date Received: **10/08/24** Date Analyzed: **10/15/24** Date Reported: **10/22/24**
Sample Composition: (check appropriate box) [X] S - Single Source [ ] B - Blended (List source numbers in "Source Numbers" field) [ ] C - Composite (List source numbers in "Source Numbers" field) [ ] D - Distribution sample	Sample Type: (check one) [ ] Pre-Treatment/Untreated (Raw) [X] Post-treatment (Finished) [ ] Unknown or Other Sample Collected by: **Grant D Lewis** Phone Number: **360-835-2662**

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REQUIRED ANALYTICAL RESULTS

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		ND	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		3.31	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / JNG
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / JNG
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / JNG
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0446	(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / JNG

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DOH#: Department assigned contaminant number.
Exceeds SAL: Marked if the contaminant amount exceeds the SAL under chapter 246-290 WAC. If you have questions about this result, please contact the department's drinking water regional office in your area.
METHOD/INITIALS: Analytical method used. / Initials of the analyst that performed the analysis.
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Per- and Polyfluoralkyl Substances (PFAS) By EPA Method 537.1

REPORT OF ANALYSIS

Date Collected: **10/08/24**	System Group Type: **A**
Water System ID Number: **93400**	System Name: **City of Washougal**
Lab -- Sample Number: **218-13307**	County: **Clark**
Sample Location: **S11 AFTER TREATMENT**	Source Number(s): (list all sources if blended or composited) **11**
Sample Purpose: (check appropriate box) [X] RC - Routine/Compliance (satisfies monitoring requirements) [ ] C - Confirmation (confirmation of chemical result)* [ ] I - Investigative (does not satisfy monitoring requirements) [ ] O - Other (specify-does not satisfy monitoring requirements)	Date Received: **10/08/24** Date Analyzed: **10/15/24** Date Reported: **10/22/24**
Sample Composition: (check appropriate box) [X] S - Single Source [ ] B - Blended (List source numbers in "Source Numbers" field) [ ] C - Composite (List source numbers in "Source Numbers" field) [ ] D - Distribution sample	Sample Type: (check one) [ ] Pre-Treatment/Untreated (Raw) [X] Post-treatment (Finished) [ ] Unknown or Other Sample Collected by: **Grant D Lewis** Phone Number: **360-835-2662**

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REQUIRED ANALYTICAL RESULTS

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		3.43	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		7.20	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / JNG
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / JNG
0429	(PFBS) Perfluorobutanesulfonic acid		3.39	2	345	ng/L		EPA 537.1 / JNG
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0446	(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / JNG

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ng/L: nanograms per liter or parts per trillion.

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REPORT OF ANALYSIS

Date Collected: **10/08/24**	System Group Type: **A**
Water System ID Number: **93400**	System Name: **City of Washougal**
Lab -- Sample Number: **218-13308**	County: **Clark**
Sample Location: **S13 AFTER TREATMENT**	Source Number(s): (list all sources if blended or composited) **13**
Sample Purpose: (check appropriate box) [X] RC - Routine/Compliance (satisfies monitoring requirements) [ ] C - Confirmation (confirmation of chemical result)* [ ] I - Investigative (does not satisfy monitoring requirements) [ ] O - Other (specify-does not satisfy monitoring requirements)	Date Received: **10/08/24** Date Analyzed: **10/15/24** Date Reported: **10/22/24**
Sample Composition: (check appropriate box) [X] S - Single Source [ ] B - Blended (List source numbers in "Source Numbers" field) [ ] C - Composite (List source numbers in "Source Numbers" field) [ ] D - Distribution sample	Sample Type: (check one) [ ] Pre-Treatment/Untreated (Raw) [X] Post-treatment (Finished) [ ] Unknown or Other Sample Collected by: **Grant D Lewis** Phone Number: **360-835-2662**

Send results to:
City of Washougal
Adam Connolly
1701 C Street, Washougal, WA 98671

Bill to:
City of Washougal
Accounts Payable
1701 C Street, Washougal, WA 98671

REQUIRED ANALYTICAL RESULTS

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		3.76	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		7.06	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / JNG
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / JNG
0429	(PFBS) Perfluorobutanesulfonic acid		3.92	2	345	ng/L		EPA 537.1 / JNG
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0435	(PFHxA) Perfluorohexanoic acid		2.40	2	n/a	ng/L		EPA 537.1 / JNG
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0446	(9Cl-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11Cl-PF3OUdS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / JNG

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NOTES:

***Confirmation:** Include the original lab number, sample number, and collection date of original sample in either comment section.

**To qualify for a monitoring waiver the additional contaminants must be reported to DOH.

DATA QUALIFIER: A symbol or letter to denote additional information about the result.

DOH#: Department assigned contaminant number.

Exceeds SAL: Marked if the contaminant amount exceeds the SAL under chapter 246-290 WAC. If you have questions about this result, please contact the department's drinking water regional office in your area.

METHOD/INITIALS: Analytical method used. / Initials of the analyst that performed the analysis.

ng/L: nanograms per liter or parts per trillion.

SAL (State Action Level) means the concentration of a contaminant or group of contaminants, without an MCL, established to protect public health in accordance with WAC 246-290-315 and which, if exceeded, triggers actions a purveyor takes in accordance with WAC 246-290-320.

SDRL (State Detection Reporting Limit): The minimum reportable detection of a contaminant as established by the department.

ND (Not Detected): In the results column, indicates this compound was analyzed and not detected at a level greater than or equal to the SDRL.

Lab Comments:

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VHJ0133
10/22/2024

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 537.1 - Quality Control											
Batch: AHJ0904										Prepared: 10/14/2024	
Prep Method: EPA 537.1										Analyst: JNG	
Blank (AHJ0904-BLK1)											
11Cl-PF3OUdS	ND	2.00	ng/L							10/15/24	
ADONA	ND	2.00	ng/L							10/15/24	
9Cl-PF3ONS	ND	2.00	ng/L							10/15/24	
HFPO-DA	ND	2.00	ng/L							10/15/24	
NEtFOSAA	ND	3.00	ng/L							10/15/24	
NMeFOSAA	ND	3.00	ng/L							10/15/24	
PFBS	ND	2.00	ng/L							10/15/24	
PFHxS	ND	2.00	ng/L							10/15/24	
PFOS	ND	2.00	ng/L							10/15/24	
PFDoA	ND	2.00	ng/L							10/15/24	
PFDA	ND	2.00	ng/L							10/15/24	
PFHpA	ND	2.00	ng/L							10/15/24	
PFHxA	ND	2.00	ng/L							10/15/24	
PFNA	ND	2.00	ng/L							10/15/24	
PFOA	ND	2.00	ng/L							10/15/24	
PFTDA	ND	2.00	ng/L							10/15/24	
PFTrDA	ND	2.00	ng/L							10/15/24	
PFUnDA	ND	2.00	ng/L							10/15/24	
Surrogate: 13C2-PFHxA	*194*			*160*		*121*	*70-130*			10/15/24	
Surrogate: 13C2-PFDA	*193*			*160*		*121*	*70-130*			10/15/24	
Surrogate: 13C3-HFPO-DA	*172*			*160*		*108*	*70-130*			10/15/24	
Surrogate: d5-NEtFOSAA	*172*			*160*		*107*	*70-130*			10/15/24	
Blank Spike (AHJ0904-BS1)											
11Cl-PF3OUdS	2.02	2.00	ng/L	2.00	ND	101	70-130			10/15/24	
ADONA	2.52	2.00	ng/L	2.00	ND	126	70-130			10/15/24	
9Cl-PF3ONS	2.46	2.00	ng/L	2.00	ND	123	70-130			10/15/24	
HFPO-DA	2.43	2.00	ng/L	2.00	ND	121	70-130			10/15/24	
NEtFOSAA	2.16	3.00	ng/L	2.00	ND	108	70-130			10/15/24	
NMeFOSAA	2.15	3.00	ng/L	2.00	ND	107	70-130			10/15/24	
PFBS	2.79	2.00	ng/L	2.00	ND	139	70-130			10/15/24	BS1.3 ***High***
PFHxS	2.56	2.00	ng/L	2.00	ND	128	70-130			10/15/24	
PFOS	2.37	2.00	ng/L	2.00	ND	118	70-130			10/15/24	
PFDoA	2.40	2.00	ng/L	2.00	ND	120	70-130			10/15/24	
PFDA	2.49	2.00	ng/L	2.00	ND	125	70-130			10/15/24	
PFHpA	2.61	2.00	ng/L	2.00	ND	130	70-130			10/15/24	
PFHxA	2.80	2.00	ng/L	2.00	ND	140	70-130			10/15/24	BS1.3 ***High***
PFNA	2.53	2.00	ng/L	2.00	ND	126	70-130			10/15/24	
PFOA	2.60	2.00	ng/L	2.00	ND	130	70-130			10/15/24	
PFTDA	2.12	2.00	ng/L	2.00	ND	106	70-130			10/15/24	

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VHJ0133
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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 537.1 - Quality Control											
Batch: AHJ0904										Prepared: 10/14/2024	
Prep Method: EPA 537.1										Analyst: JNG	
Blank Spike (AHJ0904-BS1)											
PFTrDA	2.08	2.00	ng/L	2.00	ND	104	70-130			10/15/24	
PFUnDA	2.46	2.00	ng/L	2.00	ND	123	70-130			10/15/24	
Surrogate: 13C2-PFHxA	*183*			*160*		*115*	*70-130*			10/15/24	
Surrogate: 13C2-PFDA	*189*			*160*		*118*	*70-130*			10/15/24	
Surrogate: 13C3-HFPO-DA	*180*			*160*		*113*	*70-130*			10/15/24	
Surrogate: d5-NEtFOSAA	*168*			*160*		*105*	*70-130*			10/15/24	
Matrix Spike (AHJ0904-MS1), Source: AHJ1506-01											
11Cl-PF3OUdS	30.0	2.00	ng/L	30.2	ND	99	70-130			10/15/24	
ADONA	33.3	2.00	ng/L	30.2	ND	110	70-130			10/15/24	
9Cl-PF3ONS	29.2	2.00	ng/L	30.2	ND	96	70-130			10/15/24	
HFPO-DA	33.7	2.00	ng/L	30.2	ND	111	70-130			10/15/24	
NEtFOSAA	28.6	3.00	ng/L	30.2	ND	95	70-130			10/15/24	
NMeFOSAA	30.6	3.00	ng/L	30.2	ND	101	70-130			10/15/24	
PFBS	40.0	2.00	ng/L	30.2	ND	128	70-130			10/15/24	
PFHxS	41.5	2.00	ng/L	30.2	5.97	118	70-130			10/15/24	
PFOS	40.0	2.00	ng/L	30.2	7.83	106	70-130			10/15/24	
PFDoA	31.3	2.00	ng/L	30.2	ND	103	70-130			10/15/24	
PFDA	31.5	2.00	ng/L	30.2	ND	104	70-130			10/15/24	
PFHpA	38.1	2.00	ng/L	30.2	ND	126	70-130			10/15/24	
PFHxA	38.8	2.00	ng/L	30.2	ND	128	70-130			10/15/24	
PFNA	33.3	2.00	ng/L	30.2	ND	110	70-130			10/15/24	
PFOA	35.0	2.00	ng/L	30.2	ND	116	70-130			10/15/24	
PFTDA	28.9	2.00	ng/L	30.2	ND	96	70-130			10/15/24	
PFTrDA	28.9	2.00	ng/L	30.2	ND	95	70-130			10/15/24	
PFUnDA	35.8	2.00	ng/L	30.2	ND	118	70-130			10/15/24	
Surrogate: 13C2-PFHxA	*192*			*161*		*119*	*70-130*			10/15/24	
Surrogate: 13C2-PFDA	*159*			*161*		*99*	*70-130*			10/15/24	
Surrogate: 13C3-HFPO-DA	*176*			*161*		*109*	*70-130*			10/15/24	
Surrogate: d5-NEtFOSAA	*157*			*161*		*98*	*70-130*			10/15/24	
Matrix Spike Dup (AHJ0904-MSD1), Source: AHJ1506-01											
11Cl-PF3OUdS	30.6	2.00	ng/L	30.4	ND	101	70-130	2	30	10/15/24	
ADONA	33.9	2.00	ng/L	30.4	ND	112	70-130	2	30	10/15/24	
9Cl-PF3ONS	34.0	2.00	ng/L	30.4	ND	112	70-130	15	30	10/15/24	
HFPO-DA	34.9	2.00	ng/L	30.4	ND	115	70-130	4	30	10/15/24	
NEtFOSAA	28.4	3.00	ng/L	30.4	ND	94	70-130	1	30	10/15/24	
NMeFOSAA	31.0	3.00	ng/L	30.4	ND	102	70-130	1	30	10/15/24	
PFBS	41.7	2.00	ng/L	30.4	ND	133	70-130	4	30	10/15/24	MS1.0 ***High***
PFHxS	38.8	2.00	ng/L	30.4	5.97	108	70-130	7	30	10/15/24	
PFOS	41.3	2.00	ng/L	30.4	7.83	110	70-130	3	30	10/15/24	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 537.1 - Quality Control											
Batch: AHJ0904										Prepared: 10/14/2024	
Prep Method: EPA 537.1										Analyst: JNG	
Matrix Spike Dup (AHJ0904-MSD1), Source: AHJ1506-01											
PFDoA	28.8	2.00	ng/L	30.4	ND	95	70-130	8	30	10/15/24	
PFDA	30.7	2.00	ng/L	30.4	ND	101	70-130	2	30	10/15/24	
PFHpA	37.3	2.00	ng/L	30.4	ND	123	70-130	2	30	10/15/24	
PFHxA	40.9	2.00	ng/L	30.4	ND	135	70-130	5	30	10/15/24	MS1.0 ***High***
PFNA	33.6	2.00	ng/L	30.4	ND	111	70-130	1	30	10/15/24	
PFOA	35.2	2.00	ng/L	30.4	ND	116	70-130	1	30	10/15/24	
PFTDA	28.6	2.00	ng/L	30.4	ND	94	70-130	1	30	10/15/24	
PFTrDA	27.8	2.00	ng/L	30.4	ND	91	70-130	4	30	10/15/24	
PFUnDA	34.0	2.00	ng/L	30.4	ND	112	70-130	5	30	10/15/24	
Surrogate: 13C2-PFHxA	*200*			*162*		*123*	*70-130*			10/15/24	
Surrogate: 13C2-PFDA	*173*			*162*		*107*	*70-130*			10/15/24	
Surrogate: 13C3-HFPO-DA	*189*			*162*		*117*	*70-130*			10/15/24	
Surrogate: d5-NEtFOSAA	*141*			*162*		*87*	*70-130*			10/15/24	
EPA 537.1 - Quality Control											
Batch: AHJ1100										Prepared: 10/16/2024	
Prep Method: EPA 537.1										Analyst: JNG	
Blank (AHJ1100-BLK1)											
11Cl-PF3OUdS	ND	2.0	ng/L							10/16/24	
ADONA	ND	2.0	ng/L							10/16/24	
9Cl-PF3ONS	ND	2.0	ng/L							10/16/24	
HFPO-DA	ND	2.0	ng/L							10/16/24	
NEtFOSAA	ND	3.0	ng/L							10/16/24	
NMeFOSAA	ND	3.0	ng/L							10/16/24	
PFBS	ND	2.0	ng/L							10/16/24	
PFHxS	ND	2.0	ng/L							10/16/24	
PFOS	ND	2.0	ng/L							10/16/24	
PFDoA	ND	2.0	ng/L							10/16/24	
PFDA	ND	2.0	ng/L							10/16/24	
PFHpA	ND	2.0	ng/L							10/16/24	
PFHxA	ND	2.0	ng/L							10/16/24	
PFNA	ND	2.0	ng/L							10/16/24	
PFOA	ND	2.0	ng/L							10/16/24	
PFTDA	ND	2.0	ng/L							10/16/24	
PFTrDA	ND	2.0	ng/L							10/16/24	
PFUnDA	ND	2.0	ng/L							10/16/24	
Surrogate: 13C2-PFHxA	*170*			*160*		*107*	*70-130*			10/16/24	
Surrogate: 13C2-PFDA	*190*			*160*		*120*	*70-130*			10/16/24	
Surrogate: 13C3-HFPO-DA	*170*			*160*		*107*	*70-130*			10/16/24	
Surrogate: d5-NEtFOSAA	*170*			*160*		*104*	*70-130*			10/16/24	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 537.1 - Quality Control											
Batch: AHJ1100										Prepared: 10/16/2024	
Prep Method: EPA 537.1										Analyst: JNG	
Blank Spike (AHJ1100-BS1)											
11Cl-PF3OUdS	33	2.0	ng/L	30	ND	110	70-130			10/16/24	
ADONA	34	2.0	ng/L	30	ND	114	70-130			10/16/24	
9Cl-PF3ONS	32	2.0	ng/L	30	ND	107	70-130			10/16/24	
HFPO-DA	33	2.0	ng/L	30	ND	108	70-130			10/16/24	
NEtFOSAA	30	3.0	ng/L	30	ND	99	70-130			10/16/24	
NMeFOSAA	30	3.0	ng/L	30	ND	101	70-130			10/16/24	
PFBS	34	2.0	ng/L	30	ND	114	70-130			10/16/24	
PFHxS	34	2.0	ng/L	30	ND	114	70-130			10/16/24	
PFOS	33	2.0	ng/L	30	ND	111	70-130			10/16/24	
PFDoA	38	2.0	ng/L	30	ND	126	70-130			10/16/24	
PFDA	34	2.0	ng/L	30	ND	114	70-130			10/16/24	
PFHpA	35	2.0	ng/L	30	ND	118	70-130			10/16/24	
PFHxA	35	2.0	ng/L	30	ND	116	70-130			10/16/24	
PFNA	34	2.0	ng/L	30	ND	113	70-130			10/16/24	
PFOA	34	2.0	ng/L	30	ND	114	70-130			10/16/24	
PFTDA	33	2.0	ng/L	30	ND	109	70-130			10/16/24	
PFTrDA	34	2.0	ng/L	30	ND	112	70-130			10/16/24	
PFUnDA	38	2.0	ng/L	30	ND	126	70-130			10/16/24	
Surrogate: 13C2-PFHxA	*180*			*160*		*113*	*70-130*			10/16/24	
Surrogate: 13C2-PFDA	*180*			*160*		*113*	*70-130*			10/16/24	
Surrogate: 13C3-HFPO-DA	*180*			*160*		*115*	*70-130*			10/16/24	
Surrogate: d5-NEtFOSAA	*180*			*160*		*110*	*70-130*			10/16/24	
Matrix Spike (AHJ1100-MS1), Source: AHJ1801-01											
11Cl-PF3OUdS	10	2.0	ng/L	9.8	ND	104	70-130			10/16/24	
ADONA	12	2.0	ng/L	9.8	ND	120	70-130			10/16/24	
9Cl-PF3ONS	10	2.0	ng/L	9.8	ND	104	70-130			10/16/24	
HFPO-DA	10	2.0	ng/L	9.8	ND	103	70-130			10/16/24	
NEtFOSAA	11	3.0	ng/L	9.8	ND	112	70-130			10/16/24	
NMeFOSAA	11	3.0	ng/L	9.8	ND	113	70-130			10/16/24	
PFBS	14	2.0	ng/L	9.8	2.1	125	70-130			10/16/24	
PFHxS	13	2.0	ng/L	9.8	ND	115	70-130			10/16/24	
PFOS	19	2.0	ng/L	9.8	7.3	116	70-130			10/16/24	
PFDoA	8.9	2.0	ng/L	9.8	ND	90	70-130			10/16/24	
PFDA	12	2.0	ng/L	9.8	ND	121	70-130			10/16/24	
PFHpA	14	2.0	ng/L	9.8	ND	123	70-130			10/16/24	
PFHxA	13	2.0	ng/L	9.8	2.2	114	70-130			10/16/24	
PFNA	13	2.0	ng/L	9.8	ND	121	70-130			10/16/24	
PFOA	17	2.0	ng/L	9.8	5.9	115	70-130			10/16/24	
PFTDA	9.8	2.0	ng/L	9.8	ND	99	70-130			10/16/24	

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Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
EPA 537.1 - Quality Control											
Batch: AHJ1100										Prepared: 10/16/2024	
Prep Method: EPA 537.1										Analyst: JNG	
Matrix Spike (AHJ1100-MS1), Source: AHJ1801-01											
PFTrDA	9.8	2.0	ng/L	9.8	ND	100	70-130			10/16/24	
PFUnDA	12	2.0	ng/L	9.8	ND	119	70-130			10/16/24	
Surrogate: 13C2-PFHxA	*170*			*160*		*110*	*70-130*			10/16/24	
Surrogate: 13C2-PFDA	*170*			*160*		*110*	*70-130*			10/16/24	
Surrogate: 13C3-HFPO-DA	*180*			*160*		*112*	*70-130*			10/16/24	
Surrogate: d5-NEtFOSAA	*170*			*160*		*107*	*70-130*			10/16/24	
Matrix Spike Dup (AHJ1100-MSD1), Source: AHJ1801-01											
11Cl-PF3OUdS	10	2.0	ng/L	9.5	ND	109	70-130	1	30	10/16/24	
ADONA	10	2.0	ng/L	9.5	ND	111	70-130	12	30	10/16/24	
9Cl-PF3ONS	10	2.0	ng/L	9.5	ND	109	70-130	1	30	10/16/24	
HFPO-DA	10	2.0	ng/L	9.5	ND	105	70-130	2	30	10/16/24	
NEtFOSAA	10	3.0	ng/L	9.5	ND	111	70-130	5	30	10/16/24	
NMeFOSAA	11	3.0	ng/L	9.5	ND	114	70-130	3	30	10/16/24	
PFBS	14	2.0	ng/L	9.5	2.1	125	70-130	3	30	10/16/24	
PFHxS	13	2.0	ng/L	9.5	ND	117	70-130	2	30	10/16/24	
PFOS	18	2.0	ng/L	9.5	7.3	116	70-130	2	30	10/16/24	
PFDoA	9.9	2.0	ng/L	9.5	ND	104	70-130	11	30	10/16/24	
PFDA	12	2.0	ng/L	9.5	ND	127	70-130	1	30	10/16/24	
PFHpA	14	2.0	ng/L	9.5	ND	127	70-130	1	30	10/16/24	
PFHxA	13	2.0	ng/L	9.5	2.2	116	70-130	2	30	10/16/24	
PFNA	12	2.0	ng/L	9.5	ND	122	70-130	3	30	10/16/24	
PFOA	18	2.0	ng/L	9.5	5.9	124	70-130	2	30	10/16/24	
PFTDA	9.3	2.0	ng/L	9.5	ND	98	70-130	5	30	10/16/24	
PFTrDA	9.8	2.0	ng/L	9.5	ND	104	70-130	0	30	10/16/24	
PFUnDA	11	2.0	ng/L	9.5	ND	119	70-130	4	30	10/16/24	
Surrogate: 13C2-PFHxA	*170*			*150*		*109*	*70-130*			10/16/24	
Surrogate: 13C2-PFDA	*170*			*150*		*115*	*70-130*			10/16/24	
Surrogate: 13C3-HFPO-DA	*160*			*150*		*108*	*70-130*			10/16/24	
Surrogate: d5-NEtFOSAA	*170*			*150*		*111*	*70-130*			10/16/24	