



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

VHG0295

7/30/2024

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29501</b>	County: <b>Clark</b>
Sample Location: <b>S04 Before Treatment</b> <b>S01</b>	Source Number(s): (list all sources if blended or composited) <b>04</b>
Sample Purpose: (check appropriate box) <input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/19/24</b> Date Reported: <b>07/30/24</b>
Sample Composition: (check appropriate box) <input checked="" type="checkbox"/> S - Single Source <input type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	Sample Type: (check one) <input checked="" type="checkbox"/> Pre-Treatment/Untreated (Raw) <input type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other  Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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		2.67	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		2.34	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	(PFDa) 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	(9CI-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	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		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.

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29503</b>	County: <b>Clark</b>
Sample Location: <b>S11 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>11</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/19/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	
Sample Composition: (check appropriate box)	Sample Type: (check one) <input checked="" type="checkbox"/> Pre-Treatment/Untreated (Raw) <input type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
<input checked="" type="checkbox"/> S - Single Source <input type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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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		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	(PFDaA) 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	(9CI-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	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		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.

**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.

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29505</b>	County: <b>Clark</b>
Sample Location: <b>S13 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>13</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/19/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	
Sample Composition: (check appropriate box)	Sample Type: (check one) <input checked="" type="checkbox"/> Pre-Treatment/Untreated (Raw) <input type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
<input checked="" type="checkbox"/> S - Single Source <input type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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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		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	(PFDaA) 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	(9CI-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	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG

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7/30/2024

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29508</b>	County: <b>Clark</b>
Sample Location: <b>S06, S07, S05 After Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>06,07,05</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/19/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	<input type="checkbox"/> Pre-Treatment/Untreated (Raw) <input checked="" type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
Sample Composition: (check appropriate box)	Sample Type: (check one)  Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>
<input type="checkbox"/> S - Single Source <input checked="" type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	

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**REQUIRED ANALYTICAL RESULTS**

DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
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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
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0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / JNG
0448	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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
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0441	(NETFOSAA) N-ethyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
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**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29509</b>	County: <b>Clark</b>
Sample Location: <b>S11, S13 After Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>11,13</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/19/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	Sample Composition: (check appropriate box)  <input type="checkbox"/> S - Single Source <input checked="" type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample
	Sample Type: (check one)  <input type="checkbox"/> Pre-Treatment/Untreated (Raw) <input checked="" type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
	Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
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0433	(PFOS) Perfluorooctanesulfonic acid		6.97	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		2.92	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		2.96	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	(PFDaA) 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	(9CI-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	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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

VHG0295

7/30/2024

**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:**



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

VHG0295

7/30/2024

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29510</b>	County: <b>Clark</b>
Sample Location: <b>S06 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>06</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/19/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	
Sample Composition: (check appropriate box)	Sample Type: (check one) <input checked="" type="checkbox"/> Pre-Treatment/Untreated (Raw) <input type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
<input checked="" type="checkbox"/> S - Single Source <input type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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		3.24	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		7.92	2	15	ng/L		EPA 537.1 / JNG
0431	(PFHxS) Perfluorohexanesulfonic acid		4.19	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		2.14	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	(PFDaA) 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	(9CI-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	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG

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

VHG0295

7/30/2024

**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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559-497-2888 (Main)

VHG0295

7/30/2024

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29512</b>	County: <b>Clark</b>
Sample Location: <b>S07 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>07</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/20/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	
Sample Composition: (check appropriate box)	Sample Type: (check one) <input checked="" type="checkbox"/> Pre-Treatment/Untreated (Raw) <input type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
<input checked="" type="checkbox"/> S - Single Source <input type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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	(PFDa) 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	(9CI-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	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG

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

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7/30/2024

**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.

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**Lab Comments:**



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

VHG0295

7/30/2024

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

**REPORT OF ANALYSIS/S**

Date Collected: <b>07/16/24</b>	System Group Type: <b>A</b>
Water System ID Number: <b>93400</b>	System Name: <b>City of Washougal</b>
Lab -- Sample Number: <b>218-29514</b>	County: <b>Clark</b>
Sample Location: <b>S05 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>05</b>
Sample Purpose: (check appropriate box)	Date Received: <b>07/16/24</b> Date Analyzed: <b>07/20/24</b> Date Reported: <b>07/30/24</b>
<input checked="" type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify--does not satisfy monitoring requirements)	
Sample Composition: (check appropriate box)	Sample Type: (check one) <input checked="" type="checkbox"/> Pre-Treatment/Untreated (Raw) <input type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
<input checked="" type="checkbox"/> S - Single Source <input type="checkbox"/> B - Blended (List source numbers in "Source Numbers" field) <input type="checkbox"/> C - Composite (List source numbers in "Source Numbers" field) <input type="checkbox"/> D - Distribution sample	Sample Collected by: <b>Grant Lewis</b> Phone Number: <b>360-835-2662</b>

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

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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		2.16	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		3.30	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		2.26	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		2.79	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	(PFDaA) 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	(9CI-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / JNG
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0448	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / JNG

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

VHG0295

7/30/2024

**NOTES:**

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**Lab Comments:**



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

VHG0295

7/30/2024

**BSK Associates Laboratory Fresno**  
**Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Date Limit Analyzed Qual
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**EPA 537.1 - Quality Control**

Batch: AHG1214

Prepared: 7/19/2024

Prep Method: EPA 537.1

Analyst: JNG

**Blank (AHG1214-BLK1)**

11CI-PF3OUdS	ND	2.00	ng/L						07/19/24
ADONA	ND	2.00	ng/L						07/19/24
9CI-PF3ONS	ND	2.00	ng/L						07/19/24
HFPO-DA	ND	2.00	ng/L						07/19/24
NEtFOSAA	ND	3.00	ng/L						07/19/24
NMeFOSAA	ND	3.00	ng/L						07/19/24
PFBS	ND	2.00	ng/L						07/19/24
PFHxA	ND	2.00	ng/L						07/19/24
PFOS	ND	2.00	ng/L						07/19/24
PFDoA	ND	2.00	ng/L						07/19/24
PFDA	ND	2.00	ng/L						07/19/24
PFHpA	ND	2.00	ng/L						07/19/24
PFHxA	ND	2.00	ng/L						07/19/24
PFNA	ND	2.00	ng/L						07/19/24
PFOA	ND	2.00	ng/L						07/19/24
PFTDA	ND	2.00	ng/L						07/19/24
PFTrDA	ND	2.00	ng/L						07/19/24
PFUnDA	ND	2.00	ng/L						07/19/24
Surrogate: 13C2-PFHxA	173			160		108	70-130		07/19/24
Surrogate: 13C2-PFDA	170			160		107	70-130		07/19/24
Surrogate: 13C3-HFPO-DA	172			160		108	70-130		07/19/24
Surrogate: d5-NEtFOSAA	164			160		102	70-130		07/19/24

**Blank Spike (AHG1214-BS1)**

11CI-PF3OUdS	28.2	2.00	ng/L	30.0	ND	94	70-130		07/19/24
ADONA	29.8	2.00	ng/L	30.0	ND	99	70-130		07/19/24
9CI-PF3ONS	29.7	2.00	ng/L	30.0	ND	99	70-130		07/19/24
HFPO-DA	30.4	2.00	ng/L	30.0	ND	101	70-130		07/19/24
NEtFOSAA	28.9	3.00	ng/L	30.0	ND	96	70-130		07/19/24
NMeFOSAA	28.4	3.00	ng/L	30.0	ND	95	70-130		07/19/24
PFBS	26.5	2.00	ng/L	30.0	ND	88	70-130		07/19/24
PFHxA	25.4	2.00	ng/L	30.0	ND	85	70-130		07/19/24
PFOS	30.2	2.00	ng/L	30.0	ND	101	70-130		07/19/24
PFDoA	30.2	2.00	ng/L	30.0	ND	101	70-130		07/19/24
PFDA	34.0	2.00	ng/L	30.0	ND	113	70-130		07/19/24
PFHpA	30.4	2.00	ng/L	30.0	ND	101	70-130		07/19/24
PFHxA	30.0	2.00	ng/L	30.0	ND	100	70-130		07/19/24
PFNA	28.2	2.00	ng/L	30.0	ND	94	70-130		07/19/24
PFOA	29.6	2.00	ng/L	30.0	ND	99	70-130		07/19/24
PFTDA	30.8	2.00	ng/L	30.0	ND	103	70-130		07/19/24

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

VHG0295

7/30/2024

**BSK Associates Laboratory Fresno**  
**Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	Date Analyzed	Qual
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**EPA 537.1 - Quality Control**

Batch: AHG1214

Prepared: 7/19/2024

Prep Method: EPA 537.1

Analyst: JNG

**Blank Spike (AHG1214-BS1)**

PFTrDA	31.3	2.00	ng/L	30.0	ND	104	70-130		07/19/24
PFUnDA	32.2	2.00	ng/L	30.0	ND	107	70-130		07/19/24
Surrogate: 13C2-PFHxA	167			160		104	70-130		07/19/24
Surrogate: 13C2-PFDA	162			160		101	70-130		07/19/24
Surrogate: 13C3-HFPO-DA	160			160		100	70-130		07/19/24
Surrogate: d5-NEtFOSAA	150			160		94	70-130		07/19/24

**Matrix Spike (AHG1214-MS1), Source: AHG2484-01**

11CI-PF3OUDs	1.92	2.00	ng/L	1.93	ND	99	70-130		07/19/24
ADONA	1.96	2.00	ng/L	1.93	ND	101	70-130		07/19/24
9CI-PF3ONS	1.92	2.00	ng/L	1.93	ND	100	70-130		07/19/24
HFPO-DA	1.91	2.00	ng/L	1.93	ND	99	70-130		07/19/24
NEtFOSAA	2.56	3.00	ng/L	1.93	ND	132	70-130		07/19/24 MS1.6 <i>High</i>
NMeFOSAA	2.00	3.00	ng/L	1.93	ND	104	70-130		07/19/24
PFBS	2.51	2.00	ng/L	1.93	2.50	1	70-130		07/19/24 MS1.0 <i>Low</i>
PFHxS	3.54	2.00	ng/L	1.93	ND	137	70-130		07/19/24 MS1.6 <i>High</i>
PFOS	4.32	2.00	ng/L	1.93	6.02	NR	70-130		07/19/24 MS1.0 <i>Low</i>
PFDoA	2.37	2.00	ng/L	1.93	ND	123	70-130		07/19/24
PFDA	2.39	2.00	ng/L	1.93	ND	124	70-130		07/19/24
PFHpA	2.46	2.00	ng/L	1.93	ND	75	70-130		07/19/24
PFHxA	2.80	2.00	ng/L	1.93	ND	50	70-130		07/19/24 MS1.6 <i>Low</i>
PFNA	1.76	2.00	ng/L	1.93	ND	91	70-130		07/19/24
PFOA	4.40	2.00	ng/L	1.93	2.86	80	70-130		07/19/24
PFTDA	1.89	2.00	ng/L	1.93	ND	98	70-130		07/19/24
PFTrDA	1.96	2.00	ng/L	1.93	ND	101	70-130		07/19/24
PFUnDA	2.15	2.00	ng/L	1.93	ND	111	70-130		07/19/24
Surrogate: 13C2-PFHxA	153			154		99	70-130		07/19/24
Surrogate: 13C2-PFDA	161			154		104	70-130		07/19/24
Surrogate: 13C3-HFPO-DA	147			154		95	70-130		07/19/24
Surrogate: d5-NEtFOSAA	147			154		96	70-130		07/19/24

**Matrix Spike Dup (AHG1214-MSD1), Source: AHG2484-01**

11CI-PF3OUDs	1.81	2.00	ng/L	1.88	ND	96	70-130	6	30	07/19/24
ADONA	1.91	2.00	ng/L	1.88	ND	101	70-130	3	30	07/19/24
9CI-PF3ONS	1.91	2.00	ng/L	1.88	ND	101	70-130	1	30	07/19/24
HFPO-DA	2.01	2.00	ng/L	1.88	ND	107	70-130	5	30	07/19/24
NEtFOSAA	2.26	3.00	ng/L	1.88	ND	120	70-130	12	30	07/19/24
NMeFOSAA	2.08	3.00	ng/L	1.88	ND	111	70-130	4	30	07/19/24
PFBS	2.49	2.00	ng/L	1.88	2.50	0	70-130	1	30	07/19/24 MS1.0 <i>Low</i>
PFHxS	3.60	2.00	ng/L	1.88	ND	144	70-130	2	30	07/19/24 MS1.6 <i>High</i>
PFOS	3.91	2.00	ng/L	1.88	6.02	NR	70-130	10	30	07/19/24 MS1.0 <i>Low</i>

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VHG0295

7/30/2024

**BSK Associates Laboratory Fresno**  
**Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD Limit	Date Analyzed	Qual
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**EPA 537.1 - Quality Control**

Batch: AHG1214

Prepared: 7/19/2024

Prep Method: EPA 537.1

Analyst: JNG

**Matrix Spike Dup (AHG1214-MSD1), Source: AHG2484-01**

PFDoA	1.74	2.00	ng/L	1.88	ND	93	70-130	31	30	07/19/24 MS2.0
PFDA	2.01	2.00	ng/L	1.88	ND	107	70-130	18	30	07/19/24
PFHpA	2.24	2.00	ng/L	1.88	ND	66	70-130	9	30	07/19/24 MS1.6 <i>Low</i>
PFHxA	2.64	2.00	ng/L	1.88	ND	42	70-130	6	30	07/19/24 MS1.0 <i>Low</i>
PFNA	1.74	2.00	ng/L	1.88	ND	93	70-130	1	30	07/19/24
PFOA	4.44	2.00	ng/L	1.88	2.86	84	70-130	1	30	07/19/24
PFTDA	1.89	2.00	ng/L	1.88	ND	101	70-130	0	30	07/19/24
PFTrDA	1.84	2.00	ng/L	1.88	ND	98	70-130	6	30	07/19/24
PFUnDA	1.94	2.00	ng/L	1.88	ND	103	70-130	10	30	07/19/24
Surrogate: 13C2-PFHxA	148			150		99	70-130			07/19/24
Surrogate: 13C2-PFDA	155			150		103	70-130			07/19/24
Surrogate: 13C3-HFPO-DA	145			150		97	70-130			07/19/24
Surrogate: d5-NEtFOSAA	147			150		98	70-130			07/19/24

**EPA 537.1 - Quality Control**

Batch: AHG1374

Prepared: 7/23/2024

Prep Method: EPA 537.1

Analyst: JNG

**Blank (AHG1374-BLK1)**

11CI-PF3OUdS	ND	2.0	ng/L							07/24/24
ADONA	ND	2.0	ng/L							07/24/24
9CI-PF3ONS	ND	2.0	ng/L							07/24/24
HFPO-DA	ND	2.0	ng/L							07/24/24
NEtFOSAA	ND	3.0	ng/L							07/24/24
NMeFOSAA	ND	3.0	ng/L							07/24/24
PFBS	ND	2.0	ng/L							07/24/24
PFHxS	ND	2.0	ng/L							07/24/24
PFOS	ND	2.0	ng/L							07/24/24
PFDoA	ND	2.0	ng/L							07/24/24
PFDA	ND	2.0	ng/L							07/24/24
PFHpA	ND	2.0	ng/L							07/24/24
PFHxA	ND	2.0	ng/L							07/24/24
PFNA	ND	2.0	ng/L							07/24/24
PFOA	ND	2.0	ng/L							07/24/24
PFTDA	ND	2.0	ng/L							07/24/24
PFTrDA	ND	2.0	ng/L							07/24/24
PFUnDA	ND	2.0	ng/L							07/24/24
Surrogate: 13C2-PFHxA	140			160		89	70-130			07/24/24
Surrogate: 13C2-PFDA	150			160		93	70-130			07/24/24
Surrogate: 13C3-HFPO-DA	140			160		90	70-130			07/24/24
Surrogate: d5-NEtFOSAA	150			160		93	70-130			07/24/24

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VHG0295

7/30/2024

**BSK Associates Laboratory Fresno**  
**Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	Date Analyzed	Qual
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**EPA 537.1 - Quality Control**

Batch: AHG1374

Prepared: 7/23/2024

Prep Method: EPA 537.1

Analyst: JNG

**Blank Spike (AHG1374-BS1)**

11CI-PF3OUdS	1.9	2.0	ng/L	2.0	ND	95	70-130		07/24/24
ADONA	1.9	2.0	ng/L	2.0	ND	96	70-130		07/24/24
9CI-PF3ONS	1.9	2.0	ng/L	2.0	ND	93	70-130		07/24/24
HFPO-DA	2.0	2.0	ng/L	2.0	ND	101	70-130		07/24/24
NEtFOSAA	2.1	3.0	ng/L	2.0	ND	106	70-130		07/24/24
NMeFOSAA	1.6	3.0	ng/L	2.0	ND	80	70-130		07/24/24
PFBS	1.9	2.0	ng/L	2.0	ND	93	70-130		07/24/24
PFHxS	1.7	2.0	ng/L	2.0	ND	86	70-130		07/24/24
PFOS	2.0	2.0	ng/L	2.0	ND	98	70-130		07/24/24
PFDoA	1.8	2.0	ng/L	2.0	ND	88	70-130		07/24/24
PFDA	1.8	2.0	ng/L	2.0	ND	89	70-130		07/24/24
PFHpA	1.9	2.0	ng/L	2.0	ND	96	70-130		07/24/24
PFHxA	2.2	2.0	ng/L	2.0	ND	108	70-130		07/24/24
PFNA	1.5	2.0	ng/L	2.0	ND	77	70-130		07/24/24
PFOA	1.9	2.0	ng/L	2.0	ND	94	70-130		07/24/24
PFTDA	1.9	2.0	ng/L	2.0	ND	93	70-130		07/24/24
PFTrDA	1.6	2.0	ng/L	2.0	ND	82	70-130		07/24/24
PFUnDA	2.1	2.0	ng/L	2.0	ND	106	70-130		07/24/24
Surrogate: 13C2-PFHxA	150			160		92	70-130		07/24/24
Surrogate: 13C2-PFDA	160			160		98	70-130		07/24/24
Surrogate: 13C3-HFPO-DA	150			160		93	70-130		07/24/24
Surrogate: d5-NEtFOSAA	160			160		98	70-130		07/24/24

**Matrix Spike (AHG1374-MS1), Source: AHG2946-01**

11CI-PF3OUdS	11	2.0	ng/L	11	ND	106	70-130		07/24/24
ADONA	11	2.0	ng/L	11	ND	103	70-130		07/24/24
9CI-PF3ONS	11	2.0	ng/L	11	ND	101	70-130		07/24/24
HFPO-DA	11	2.0	ng/L	11	ND	101	70-130		07/24/24
NEtFOSAA	13	3.0	ng/L	11	ND	124	70-130		07/24/24
NMeFOSAA	11	3.0	ng/L	11	ND	102	70-130		07/24/24
PFBS	11	2.0	ng/L	11	ND	102	70-130		07/24/24
PFHxS	10	2.0	ng/L	11	ND	97	70-130		07/24/24
PFOS	11	2.0	ng/L	11	ND	105	70-130		07/24/24
PFDoA	10	2.0	ng/L	11	ND	99	70-130		07/24/24
PFDA	11	2.0	ng/L	11	ND	100	70-130		07/24/24
PFHpA	11	2.0	ng/L	11	ND	106	70-130		07/24/24
PFHxA	11	2.0	ng/L	11	ND	106	70-130		07/24/24
PFNA	9.2	2.0	ng/L	11	ND	88	70-130		07/24/24
PFOA	11	2.0	ng/L	11	ND	108	70-130		07/24/24
PFTDA	11	2.0	ng/L	11	ND	108	70-130		07/24/24

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VHG0295

7/30/2024

**BSK Associates Laboratory Fresno**  
**Organics Quality Control Report**

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD RPD	Date Limit Analyzed Qual
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**EPA 537.1 - Quality Control**

Batch: AHG1374

Prepared: 7/23/2024

Prep Method: EPA 537.1

Analyst: JNG

**Matrix Spike (AHG1374-MS1), Source: AHG2946-01**

PFTrDA	11	2.0	ng/L	11	ND	100	70-130		07/24/24
PFUnDA	12	2.0	ng/L	11	ND	112	70-130		07/24/24
Surrogate: 13C2-PFHxA	150			170		89	70-130		07/24/24
Surrogate: 13C2-PFDA	160			170		95	70-130		07/24/24
Surrogate: 13C3-HFPO-DA	160			170		92	70-130		07/24/24
Surrogate: d5-NEtFOSAA	160			170		95	70-130		07/24/24

**Matrix Spike Dup (AHG1374-MSD1), Source: AHG2946-01**

11CI-PF3OUDs	12	2.0	ng/L	11	ND	112	70-130	7	30	07/24/24
ADONA	11	2.0	ng/L	11	ND	103	70-130	1	30	07/24/24
9CI-PF3ONS	11	2.0	ng/L	11	ND	106	70-130	6	30	07/24/24
HFPO-DA	11	2.0	ng/L	11	ND	105	70-130	6	30	07/24/24
NEtFOSAA	12	3.0	ng/L	11	ND	112	70-130	9	30	07/24/24
NMeFOSAA	10	3.0	ng/L	11	ND	95	70-130	5	30	07/24/24
PFBS	11	2.0	ng/L	11	ND	104	70-130	4	30	07/24/24
PFHxS	11	2.0	ng/L	11	ND	104	70-130	8	30	07/24/24
PFOS	11	2.0	ng/L	11	ND	106	70-130	3	30	07/24/24
PFDoA	10	2.0	ng/L	11	ND	95	70-130	3	30	07/24/24
PFDA	11	2.0	ng/L	11	ND	102	70-130	3	30	07/24/24
PFHpA	11	2.0	ng/L	11	ND	102	70-130	2	30	07/24/24
PFHxA	11	2.0	ng/L	11	ND	100	70-130	5	30	07/24/24
PFNA	8.5	2.0	ng/L	11	ND	80	70-130	8	30	07/24/24
PFOA	10	2.0	ng/L	11	ND	96	70-130	11	30	07/24/24
PFTDA	11	2.0	ng/L	11	ND	105	70-130	1	30	07/24/24
PFTrDA	11	2.0	ng/L	11	ND	100	70-130	1	30	07/24/24
PFUnDA	12	2.0	ng/L	11	ND	108	70-130	2	30	07/24/24
Surrogate: 13C2-PFHxA	150			170		87	70-130			07/24/24
Surrogate: 13C2-PFDA	160			170		91	70-130			07/24/24
Surrogate: 13C3-HFPO-DA	160			170		95	70-130			07/24/24
Surrogate: d5-NEtFOSAA	160			170		94	70-130			07/24/24