

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38401	County:
Sample Location: S06 BT	Source Number(s): (list all sources if blended or composited) 06
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/24/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: 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		3.56	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	(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-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



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)

VHE0384

6/05/2024

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:

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38403	County:
Sample Location: S07 BT	Source Number(s): (list all sources if blended or composited) 07
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: Grant D Lewis Phone Number: 360-835-2662

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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		3.03	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	(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-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTTrDA) 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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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:

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38405	County:
Sample Location: S05 BT	Source Number(s): (list all sources if blended or composited) 05
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: 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		4.08	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	(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-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTTrDA) 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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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:

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38407	County:
Sample Location: S06, S07, S05 AT	Source Number(s): (list all sources if blended or composited) 06,07,05
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: Grant D Lewis Phone Number: 360-835-2662

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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		3.18	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	(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-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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Lab Comments:

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38408	County:
Sample Location: S11 BT	Source Number(s): (list all sources if blended or composited) 11
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
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DOH #	CONSTITUENT	DATA QUALIFIERS	RESULTS	SDRL	SAL	UNITS	EXCEEDS SAL? (X if Yes)	METHOD/ Initials
0434	(PFOA) Perfluorooctanoic acid		3.61	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		7.84	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		2.50	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	(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-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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Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38410	County:
Sample Location: S13 BT	Source Number(s): (list all sources if blended or composited) 13
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: 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		3.75	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		7.54	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		2.79	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		2.39	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	(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-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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1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)

VHE0384

6/05/2024

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:

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38412	County:
Sample Location: S11, S13 AT	Source Number(s): (list all sources if blended or composited) 11,13
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: 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		3.73	2	10	ng/L		EPA 537.1 / JNG
0433	(PFOS) Perfluorooctanesulfonic acid		7.50	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		2.71	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		2.20	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	(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-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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VHE0384

6/05/2024

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:

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

REPORT OF ANALYSIS

Date Collected: 05/21/24	System Group Type:
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-38414	County:
Sample Location: S01 BT	Source Number(s): (list all sources if blended or composited) 01
<u>Sample Purpose:</u> (check appropriate box) <input type="checkbox"/> RC - Routine/Compliance (satisfies monitoring requirements) <input type="checkbox"/> C - Confirmation (confirmation of chemical result)* <input checked="" type="checkbox"/> I - Investigative (does not satisfy monitoring requirements) <input type="checkbox"/> O - Other (specify-does not satisfy monitoring requirements)	Date Received: 05/21/24 Date Analyzed: 05/25/24 Date Reported: 06/05/24
<u>Sample Composition:</u> (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	<u>Sample Type:</u> (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: Grant D Lewis Phone Number: 360-835-2662

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

Bill to:
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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	(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-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / JNG
0439	(PFTDA) 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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559-497-2888 (Main)

VHE0384

6/05/2024

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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VHE0384
6/05/2024

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: AHE1591

Prepared: 5/24/2024

Prep Method: EPA 537.1

Analyst: JNG

Blank (AHE1591-BLK1)

11CI-PF3OUdS	ND	2.00	ng/L							05/24/24	
9CI-PF3ONS	ND	2.00	ng/L							05/24/24	
ADONA	ND	2.00	ng/L							05/24/24	
HFPO-DA	ND	2.00	ng/L							05/24/24	
NEtFOSAA	ND	3.00	ng/L							05/24/24	
NMeFOSAA	ND	3.00	ng/L							05/24/24	
PFBS	ND	2.00	ng/L							05/24/24	
PFDA	ND	2.00	ng/L							05/24/24	
PFDoA	ND	2.00	ng/L							05/24/24	
PFHpA	ND	2.00	ng/L							05/24/24	
PFHxA	ND	2.00	ng/L							05/24/24	
PFHxS	ND	2.00	ng/L							05/24/24	
PFNA	ND	2.00	ng/L							05/24/24	
PFOA	ND	2.00	ng/L							05/24/24	
PFOS	ND	2.00	ng/L							05/24/24	
PFTDA	ND	2.00	ng/L							05/24/24	
PFTTrDA	ND	2.00	ng/L							05/24/24	
PFUnDA	ND	2.00	ng/L							05/24/24	
Surrogate: 13C2-PFDA	159			160		100	70-130			05/24/24	
Surrogate: 13C2-PFHxA	156			160		97	70-130			05/24/24	
Surrogate: 13C3-HFPO-DA	165			160		103	70-130			05/24/24	
Surrogate: d5-NEtFOSAA	160			160		100	70-130			05/24/24	

Blank Spike (AHE1591-BS1)

11CI-PF3OUdS	1.80	2.00	ng/L	2.00	ND	90	70-130			05/24/24	
9CI-PF3ONS	2.05	2.00	ng/L	2.00	ND	102	70-130			05/24/24	
ADONA	1.83	2.00	ng/L	2.00	ND	92	70-130			05/24/24	
HFPO-DA	2.22	2.00	ng/L	2.00	ND	111	70-130			05/24/24	
NEtFOSAA	1.94	3.00	ng/L	2.00	ND	97	70-130			05/24/24	
NMeFOSAA	2.01	3.00	ng/L	2.00	ND	100	70-130			05/24/24	
PFBS	2.08	2.00	ng/L	2.00	ND	104	70-130			05/24/24	
PFDA	2.06	2.00	ng/L	2.00	ND	103	70-130			05/24/24	
PFDoA	2.12	2.00	ng/L	2.00	ND	106	70-130			05/24/24	
PFHpA	1.97	2.00	ng/L	2.00	ND	99	70-130			05/24/24	
PFHxA	2.40	2.00	ng/L	2.00	ND	120	70-130			05/24/24	
PFHxS	1.90	2.00	ng/L	2.00	ND	95	70-130			05/24/24	
PFNA	2.06	2.00	ng/L	2.00	ND	103	70-130			05/24/24	
PFOA	2.46	2.00	ng/L	2.00	ND	123	70-130			05/24/24	
PFOS	2.28	2.00	ng/L	2.00	ND	114	70-130			05/24/24	
PFTDA	1.62	2.00	ng/L	2.00	ND	81	70-130			05/24/24	

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.

VHE0384 FINAL 06052024 1152



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VHE0384
6/05/2024

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: AHE1591

Prepared: 5/24/2024

Prep Method: EPA 537.1

Analyst: JNG

Blank Spike (AHE1591-BS1)

PFTTrDA	1.85	2.00	ng/L	2.00	ND	92	70-130			05/24/24	
PFUnDA	2.22	2.00	ng/L	2.00	ND	111	70-130			05/24/24	
Surrogate: 13C2-PFDA	164			160		103	70-130			05/24/24	
Surrogate: 13C2-PFHxA	164			160		103	70-130			05/24/24	
Surrogate: 13C3-HFPO-DA	154			160		96	70-130			05/24/24	
Surrogate: d5-NEtFOSAA	148			160		93	70-130			05/24/24	

Matrix Spike (AHE1591-MS1), Source: VHE0384-01

11CI-PF3OUdS	28.5	2.00	ng/L	29.5	ND	97	70-130			05/25/24	
9CI-PF3ONS	30.3	2.00	ng/L	29.5	ND	103	70-130			05/25/24	
ADONA	31.4	2.00	ng/L	29.5	ND	106	70-130			05/25/24	
HFPO-DA	33.5	2.00	ng/L	29.5	ND	113	70-130			05/25/24	
NEtFOSAA	30.8	3.00	ng/L	29.5	ND	104	70-130			05/25/24	
NMeFOSAA	33.5	3.00	ng/L	29.5	ND	113	70-130			05/25/24	
PFBS	29.2	2.00	ng/L	29.5	ND	95	70-130			05/25/24	
PFDA	33.2	2.00	ng/L	29.5	ND	113	70-130			05/25/24	
PFDaA	34.1	2.00	ng/L	29.5	ND	115	70-130			05/25/24	
PFHpA	31.3	2.00	ng/L	29.5	ND	106	70-130			05/25/24	
PFHxA	33.7	2.00	ng/L	29.5	ND	112	70-130			05/25/24	
PFHxS	28.9	2.00	ng/L	29.5	ND	98	70-130			05/25/24	
PFNA	33.3	2.00	ng/L	29.5	ND	113	70-130			05/25/24	
PFOA	35.5	2.00	ng/L	29.5	ND	116	70-130			05/25/24	
PFOS	36.5	2.00	ng/L	29.5	3.56	112	70-130			05/25/24	
PFTDA	28.2	2.00	ng/L	29.5	ND	96	70-130			05/25/24	
PFTTrDA	31.8	2.00	ng/L	29.5	ND	108	70-130			05/25/24	
PFUnDA	34.1	2.00	ng/L	29.5	ND	115	70-130			05/25/24	
Surrogate: 13C2-PFDA	164			157		104	70-130			05/25/24	
Surrogate: 13C2-PFHxA	159			157		101	70-130			05/25/24	
Surrogate: 13C3-HFPO-DA	169			157		108	70-130			05/25/24	
Surrogate: d5-NEtFOSAA	159			157		101	70-130			05/25/24	

Matrix Spike Dup (AHE1591-MSD1), Source: VHE0384-01

11CI-PF3OUdS	28.5	2.00	ng/L	30.4	ND	94	70-130	0	30	05/25/24	
9CI-PF3ONS	29.8	2.00	ng/L	30.4	ND	98	70-130	2	30	05/25/24	
ADONA	31.1	2.00	ng/L	30.4	ND	102	70-130	1	30	05/25/24	
HFPO-DA	35.8	2.00	ng/L	30.4	ND	118	70-130	7	30	05/25/24	
NEtFOSAA	30.3	3.00	ng/L	30.4	ND	100	70-130	2	30	05/25/24	
NMeFOSAA	33.3	3.00	ng/L	30.4	ND	110	70-130	1	30	05/25/24	
PFBS	30.6	2.00	ng/L	30.4	ND	97	70-130	5	30	05/25/24	
PFDA	32.1	2.00	ng/L	30.4	ND	106	70-130	3	30	05/25/24	
PFDaA	31.7	2.00	ng/L	30.4	ND	104	70-130	7	30	05/25/24	

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Fresno, CA 93706
559-497-2888 (Main)

VHE0384
6/05/2024

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: AHE1591

Prepared: 5/24/2024

Prep Method: EPA 537.1

Analyst: JNG

Matrix Spike Dup (AHE1591-MSD1), Source: VHE0384-01

PFHpA	33.2	2.00	ng/L	30.4	ND	109	70-130	6	30	05/25/24
PFHxA	35.1	2.00	ng/L	30.4	ND	113	70-130	4	30	05/25/24
PFHxS	29.5	2.00	ng/L	30.4	ND	97	70-130	2	30	05/25/24
PFNA	34.4	2.00	ng/L	30.4	ND	113	70-130	3	30	05/25/24
PFOA	37.3	2.00	ng/L	30.4	ND	118	70-130	5	30	05/25/24
PFOS	36.3	2.00	ng/L	30.4	3.56	108	70-130	1	30	05/25/24
PFTDA	28.9	2.00	ng/L	30.4	ND	95	70-130	2	30	05/25/24
PFTTrDA	31.1	2.00	ng/L	30.4	ND	103	70-130	2	30	05/25/24
PFUnDA	35.7	2.00	ng/L	30.4	ND	118	70-130	5	30	05/25/24
Surrogate: 13C2-PFDA	165			162		102	70-130			05/25/24
Surrogate: 13C2-PFHxA	162			162		100	70-130			05/25/24
Surrogate: 13C3-HFPO-DA	175			162		108	70-130			05/25/24
Surrogate: d5-NEtFOSAA	154			162		95	70-130			05/25/24

EPA 537.1 - Quality Control

Batch: AHE1693

Prepared: 5/28/2024

Prep Method: EPA 537.1

Analyst: ZZZ

Blank (AHE1693-BLK1)

11CI-PF3OUdS	ND	2.0	ng/L							05/29/24
9CI-PF3ONS	ND	2.0	ng/L							05/29/24
ADONA	ND	2.0	ng/L							05/29/24
HFPO-DA	ND	2.0	ng/L							05/29/24
NEtFOSAA	ND	3.0	ng/L							05/29/24
NMeFOSAA	ND	3.0	ng/L							05/29/24
PFBS	ND	2.0	ng/L							05/29/24
PFDA	ND	2.0	ng/L							05/29/24
PFDaA	ND	2.0	ng/L							05/29/24
PFHpA	ND	2.0	ng/L							05/29/24
PFHxA	ND	2.0	ng/L							05/29/24
PFHxS	ND	2.0	ng/L							05/29/24
PFNA	ND	2.0	ng/L							05/29/24
PFOA	ND	2.0	ng/L							05/29/24
PFOS	ND	2.0	ng/L							05/29/24
PFTDA	ND	2.0	ng/L							05/29/24
PFTTrDA	ND	2.0	ng/L							05/29/24
PFUnDA	ND	2.0	ng/L							05/29/24
Surrogate: 13C2-PFDA	150			160		94	70-130			05/29/24
Surrogate: 13C2-PFHxA	160			160		98	70-130			05/29/24
Surrogate: 13C3-HFPO-DA	150			160		93	70-130			05/29/24
Surrogate: d5-NEtFOSAA	140			160		90	70-130			05/29/24

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.

VHE0384 FINAL 06052024 1152



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)

VHE0384
6/05/2024

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: AHE1693

Prepared: 5/28/2024

Prep Method: EPA 537.1

Analyst: ZZZ

Blank Spike (AHE1693-BS1)

11CI-PF3OUdS	8.8	2.0	ng/L	10	ND	88	70-130			05/29/24	
9CI-PF3ONS	10	2.0	ng/L	10	ND	103	70-130			05/29/24	
ADONA	8.9	2.0	ng/L	10	ND	89	70-130			05/29/24	
HFPO-DA	9.4	2.0	ng/L	10	ND	94	70-130			05/29/24	
NEtFOSAA	10	3.0	ng/L	10	ND	104	70-130			05/29/24	
NMeFOSAA	9.8	3.0	ng/L	10	ND	98	70-130			05/29/24	
PFBS	9.8	2.0	ng/L	10	ND	98	70-130			05/29/24	
PFDA	10	2.0	ng/L	10	ND	101	70-130			05/29/24	
PFDoA	9.8	2.0	ng/L	10	ND	98	70-130			05/29/24	
PFHpA	9.4	2.0	ng/L	10	ND	94	70-130			05/29/24	
PFHxA	11	2.0	ng/L	10	ND	112	70-130			05/29/24	
PFHxS	9.2	2.0	ng/L	10	ND	92	70-130			05/29/24	
PFNA	9.4	2.0	ng/L	10	ND	94	70-130			05/29/24	
PFOA	11	2.0	ng/L	10	ND	110	70-130			05/29/24	
PFOS	9.9	2.0	ng/L	10	ND	99	70-130			05/29/24	
PFTDA	9.4	2.0	ng/L	10	ND	94	70-130			05/29/24	
PFTTrDA	9.6	2.0	ng/L	10	ND	96	70-130			05/29/24	
PFUnDA	10	2.0	ng/L	10	ND	100	70-130			05/29/24	
Surrogate: 13C2-PFDA	150			160		94	70-130			05/29/24	
Surrogate: 13C2-PFHxA	160			160		99	70-130			05/29/24	
Surrogate: 13C3-HFPO-DA	150			160		92	70-130			05/29/24	
Surrogate: d5-NEtFOSAA	150			160		92	70-130			05/29/24	

Matrix Spike (AHE1693-MS1), Source: AHE3266-02

11CI-PF3OUdS	26	2.0	ng/L	28	ND	91	70-130			05/29/24	
9CI-PF3ONS	29	2.0	ng/L	28	ND	102	70-130			05/29/24	
ADONA	26	2.0	ng/L	28	ND	91	70-130			05/29/24	
HFPO-DA	27	2.0	ng/L	28	ND	97	70-130			05/29/24	
NEtFOSAA	26	3.0	ng/L	28	ND	93	70-130			05/29/24	
NMeFOSAA	26	3.0	ng/L	28	ND	92	70-130			05/29/24	
PFBS	28	2.0	ng/L	28	ND	99	70-130			05/29/24	
PFDA	27	2.0	ng/L	28	ND	95	70-130			05/29/24	
PFDoA	28	2.0	ng/L	28	ND	98	70-130			05/29/24	
PFHpA	28	2.0	ng/L	28	ND	99	70-130			05/29/24	
PFHxA	31	2.0	ng/L	28	ND	110	70-130			05/29/24	
PFHxS	26	2.0	ng/L	28	ND	94	70-130			05/29/24	
PFNA	29	2.0	ng/L	28	ND	102	70-130			05/29/24	
PFOA	30	2.0	ng/L	28	ND	107	70-130			05/29/24	
PFOS	28	2.0	ng/L	28	ND	100	70-130			05/29/24	
PFTDA	27	2.0	ng/L	28	ND	98	70-130			05/29/24	

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VHE0384 FINAL 06052024 1152



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)

VHE0384

6/05/2024

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: AHE1693

Prepared: 5/28/2024

Prep Method: EPA 537.1

Analyst: ZZZ

Matrix Spike (AHE1693-MS1), Source: AHE3266-02

PFTTrDA	27	2.0	ng/L	28	ND	96	70-130			05/29/24	
PFUnDA	29	2.0	ng/L	28	ND	103	70-130			05/29/24	
Surrogate: 13C2-PFDA	150			150		98	70-130			05/29/24	
Surrogate: 13C2-PFHxA	150			150		101	70-130			05/29/24	
Surrogate: 13C3-HFPO-DA	140			150		96	70-130			05/29/24	
Surrogate: d5-NEtFOSAA	130			150		89	70-130			05/29/24	

Matrix Spike Dup (AHE1693-MSD1), Source: AHE3266-02

11CI-PF3OUdS	30	2.0	ng/L	31	ND	98	70-130	17	30	05/29/24	
9CI-PF3ONS	29	2.0	ng/L	31	ND	95	70-130	2	30	05/29/24	
ADONA	30	2.0	ng/L	31	ND	98	70-130	16	30	05/29/24	
HFPO-DA	32	2.0	ng/L	31	ND	103	70-130	16	30	05/29/24	
NEtFOSAA	31	3.0	ng/L	31	ND	100	70-130	16	30	05/29/24	
NMeFOSAA	28	3.0	ng/L	31	ND	93	70-130	10	30	05/29/24	
PFBS	30	2.0	ng/L	31	ND	97	70-130	7	30	05/29/24	
PFDA	29	2.0	ng/L	31	ND	94	70-130	8	30	05/29/24	
PFDaA	30	2.0	ng/L	31	ND	99	70-130	10	30	05/29/24	
PFHpA	32	2.0	ng/L	31	ND	105	70-130	16	30	05/29/24	
PFHxA	32	2.0	ng/L	31	ND	106	70-130	5	30	05/29/24	
PFHxS	31	2.0	ng/L	31	ND	101	70-130	16	30	05/29/24	
PFNA	30	2.0	ng/L	31	ND	99	70-130	6	30	05/29/24	
PFOA	31	2.0	ng/L	31	ND	100	70-130	3	30	05/29/24	
PFOS	31	2.0	ng/L	31	ND	99	70-130	8	30	05/29/24	
PFTDA	30	2.0	ng/L	31	ND	96	70-130	7	30	05/29/24	
PFTTrDA	30	2.0	ng/L	31	ND	98	70-130	11	30	05/29/24	
PFUnDA	31	2.0	ng/L	31	ND	100	70-130	7	30	05/29/24	
Surrogate: 13C2-PFDA	150			160		92	70-130			05/29/24	
Surrogate: 13C2-PFHxA	160			160		98	70-130			05/29/24	
Surrogate: 13C3-HFPO-DA	160			160		98	70-130			05/29/24	
Surrogate: d5-NEtFOSAA	140			160		87	70-130			05/29/24	