

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

**REPORT OF ANALYSIS**

Date Collected: <b>02/01/24</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>218-01701</b>	County: <b>Clark</b>
Sample Location: <b>S06 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>S06</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>02/01/24</b> Date Analyzed: <b>02/07/24</b> Date Reported: <b>02/14/24</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		2.08	2	10	ng/L		EPA 537.1 / SLB
0433	(PFOS) Perfluorooctanesulfonic acid		4.15	2	15	ng/L		EPA 537.1 / SLB
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / SLB
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / SLB
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / SLB
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0446	(9CI-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / SLB
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0448	(11CI-PF3OUDS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / SLB
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / SLB
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacet		ND	2	n/a	ng/L		EPA 537.1 / SLB



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

**VHB0017**  
**2/14/2024**

**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: <b>02/01/24</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>218-01703</b>	County: <b>Clark</b>
Sample Location: <b>S06 After Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>S06</b>
<u>Sample Purpose: (check appropriate box)</u> <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>02/01/24</b> Date Analyzed: <b>02/07/24</b> Date Reported: <b>02/14/24</b>
<u>Sample Composition: (check appropriate box)</u> <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: (check one)</u> <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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0434	(PFOA) Perfluorooctanoic acid		2.14	2	10	ng/L		EPA 537.1 / SLB
0433	(PFOS) Perfluorooctanesulfonic acid		4.38	2	15	ng/L		EPA 537.1 / SLB
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / SLB
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / SLB
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / SLB
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0446	(9CI-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / SLB
0447	(HFPO-DA) Hexafluoropropylene oxide dimer acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0448	(11CI-PF3OUDS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / SLB
0439	(PFTrDA) Perfluorotridecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0440	(PFTA) Perfluorotetradecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / SLB
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**Lab Comments:**

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**REPORT OF ANALYSIS**

Date Collected: <b>02/01/24</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>218-01705</b>	County: <b>Clark</b>
Sample Location: <b>S07 Before Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>S07</b>
<u>Sample Purpose: (check appropriate box)</u> <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>02/01/24</b> Date Analyzed: <b>02/07/24</b> Date Reported: <b>02/14/24</b>
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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 / SLB
0433	(PFOS) Perfluorooctanesulfonic acid		4.51	2	15	ng/L		EPA 537.1 / SLB
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / SLB
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / SLB
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / SLB
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0435	(PFHxA) Perfluorohexanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0436	(PFDA) Perfluorodecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0437	(PFUnA) Perfluoroundecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0438	(PFDoA) Perfluorododecanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0445	(ADONA) 4,8-Dioxa-3H-perfluorononanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
0446	(9CI-PF3ONS) 9-Chlorohexadecafluoro-3-oxanone-1-su		ND	2	n/a	ng/L		EPA 537.1 / SLB
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0448	(11CI-PF3OUDS) 11-Chloroeicosafluoro-3-oxaundecane		ND	2	n/a	ng/L		EPA 537.1 / SLB
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0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / SLB
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**REPORT OF ANALYSIS**

Date Collected: <b>02/01/24</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>218-01707</b>	County: <b>Clark</b>
Sample Location: <b>S07 After Treatment</b>	Source Number(s): (list all sources if blended or composited) <b>S07</b>
<u>Sample Purpose: (check appropriate box)</u> <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>02/01/24</b> Date Analyzed: <b>02/07/24</b> Date Reported: <b>02/14/24</b>
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0433	(PFOS) Perfluorooctanesulfonic acid		4.46	2	15	ng/L		EPA 537.1 / SLB
0431	(PFHxS) Perfluorohexanesulfonic acid		ND	2	65	ng/L		EPA 537.1 / SLB
0432	(PFNA) Perfluorononanoic acid		ND	2	9	ng/L		EPA 537.1 / SLB
0429	(PFBS) Perfluorobutanesulfonic acid		ND	2	345	ng/L		EPA 537.1 / SLB
0430	(PFHpA) Perfluoroheptanoic acid		ND	2	n/a	ng/L		EPA 537.1 / SLB
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0441	(NEtFOSAA) N-ethyl perfluorooctanesulfonamidoaceti		ND	2	n/a	ng/L		EPA 537.1 / SLB
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**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: AHB0137

Prepared: 2/5/2024

Prep Method: EPA 537.1

Analyst: SLB

**Blank (AHB0137-BLK1)**

11CI-PF3OUdS	ND	2.0	ng/L							02/06/24	
11CI-PF3OUdS	ND	2.00	ng/L							02/06/24	
9CI-PF3ONS	ND	2.0	ng/L							02/06/24	
9CI-PF3ONS	ND	2.00	ng/L							02/06/24	
ADONA	ND	2.0	ng/L							02/06/24	
ADONA	ND	2.00	ng/L							02/06/24	
HFPO-DA	ND	2.0	ng/L							02/06/24	
HFPO-DA	ND	2.00	ng/L							02/06/24	
NEtFOSAA	ND	3.0	ng/L							02/06/24	
NEtFOSAA	ND	3.00	ng/L							02/06/24	
NMeFOSAA	ND	3.0	ng/L							02/06/24	
NMeFOSAA	ND	3.00	ng/L							02/06/24	
PFBS	ND	2.0	ng/L							02/06/24	
PFBS	ND	2.00	ng/L							02/06/24	
PFDA	ND	2.0	ng/L							02/06/24	
PFDA	ND	2.00	ng/L							02/06/24	
PFDoA	ND	2.0	ng/L							02/06/24	
PFDoA	ND	2.00	ng/L							02/06/24	
PFHpA	ND	2.0	ng/L							02/06/24	
PFHpA	ND	2.00	ng/L							02/06/24	
PFHxA	ND	2.0	ng/L							02/06/24	
PFHxA	ND	2.00	ng/L							02/06/24	
PFHxS	ND	2.0	ng/L							02/06/24	
PFHxS	ND	2.00	ng/L							02/06/24	
PFNA	ND	2.0	ng/L							02/06/24	
PFNA	ND	2.00	ng/L							02/06/24	
PFOA	ND	2.0	ng/L							02/06/24	
PFOA	ND	2.00	ng/L							02/06/24	
PFOS	ND	2.0	ng/L							02/06/24	
PFOS	ND	2.00	ng/L							02/06/24	
PFTDA	ND	2.0	ng/L							02/06/24	
PFTDA	ND	2.00	ng/L							02/06/24	
PFTTrDA	ND	2.0	ng/L							02/06/24	
PFTTrDA	ND	2.00	ng/L							02/06/24	
PFUnDA	ND	2.0	ng/L							02/06/24	
PFUnDA	ND	2.00	ng/L							02/06/24	
Surrogate: 13C2-PFDA	130			160		82	70-130			02/06/24	
Surrogate: 13C2-PFHxA	130			160		83	70-130			02/06/24	
Surrogate: 13C3-HFPO-DA	130			160		80	70-130			02/06/24	
Surrogate: d5-NEtFOSAA	160			160		101	70-130			02/06/24	

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.

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**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: AHB0137

Prepared: 2/5/2024

Prep Method: EPA 537.1

Analyst: SLB

**Blank Spike (AHB0137-BS1)**

11CI-PF3OUdS	8.7	2.0	ng/L	10	ND	87	70-130			02/06/24	
11CI-PF3OUdS	8.72	2.00	ng/L	10.0	ND	87	70-130			02/06/24	
9CI-PF3ONS	10	2.0	ng/L	10	ND	100	70-130			02/06/24	
9CI-PF3ONS	10.0	2.00	ng/L	10.0	ND	100	70-130			02/06/24	
ADONA	9.5	2.0	ng/L	10	ND	95	70-130			02/06/24	
ADONA	9.48	2.00	ng/L	10.0	ND	95	70-130			02/06/24	
HFPO-DA	8.4	2.0	ng/L	10	ND	84	70-130			02/06/24	
HFPO-DA	8.44	2.00	ng/L	10.0	ND	84	70-130			02/06/24	
NEtFOSAA	11	3.0	ng/L	10	ND	115	70-130			02/06/24	
NEtFOSAA	11.5	3.00	ng/L	10.0	ND	115	70-130			02/06/24	
NMeFOSAA	11	3.0	ng/L	10	ND	111	70-130			02/06/24	
NMeFOSAA	11.1	3.00	ng/L	10.0	ND	111	70-130			02/06/24	
PFBS	12	2.0	ng/L	10	ND	117	70-130			02/06/24	
PFBS	11.7	2.00	ng/L	10.0	ND	117	70-130			02/06/24	
PFDA	9.6	2.0	ng/L	10	ND	96	70-130			02/06/24	
PFDA	9.60	2.00	ng/L	10.0	ND	96	70-130			02/06/24	
PFDoA	8.1	2.0	ng/L	10	ND	81	70-130			02/06/24	
PFDoA	8.12	2.00	ng/L	10.0	ND	81	70-130			02/06/24	
PFHpA	10	2.0	ng/L	10	ND	103	70-130			02/06/24	
PFHpA	10.3	2.00	ng/L	10.0	ND	103	70-130			02/06/24	
PFHxA	10	2.0	ng/L	10	ND	102	70-130			02/06/24	
PFHxA	10.2	2.00	ng/L	10.0	ND	102	70-130			02/06/24	
PFHxS	9.6	2.0	ng/L	10	ND	96	70-130			02/06/24	
PFHxS	9.56	2.00	ng/L	10.0	ND	96	70-130			02/06/24	
PFNA	9.9	2.0	ng/L	10	ND	99	70-130			02/06/24	
PFNA	9.92	2.00	ng/L	10.0	ND	99	70-130			02/06/24	
PFOA	10	2.0	ng/L	10	ND	102	70-130			02/06/24	
PFOA	10.2	2.00	ng/L	10.0	ND	102	70-130			02/06/24	
PFOS	11	2.0	ng/L	10	ND	107	70-130			02/06/24	
PFOS	10.7	2.00	ng/L	10.0	ND	107	70-130			02/06/24	
PFTDA	8.0	2.0	ng/L	10	ND	80	70-130			02/06/24	
PFTDA	8.04	2.00	ng/L	10.0	ND	80	70-130			02/06/24	
PFTTrDA	8.4	2.0	ng/L	10	ND	84	70-130			02/06/24	
PFTTrDA	8.36	2.00	ng/L	10.0	ND	84	70-130			02/06/24	
PFUnDA	9.4	2.0	ng/L	10	ND	94	70-130			02/06/24	
PFUnDA	9.40	2.00	ng/L	10.0	ND	94	70-130			02/06/24	
Surrogate: 13C2-PFDA	130			160		81	70-130			02/06/24	
Surrogate: 13C2-PFHxA	130			160		84	70-130			02/06/24	
Surrogate: 13C3-HFPO-DA	140			160		86	70-130			02/06/24	
Surrogate: d5-NEtFOSAA	170			160		104	70-130			02/06/24	

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VHB0017 FINAL 02142024 1356



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

VHB0017  
2/14/2024

**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: AHB0137

Prepared: 2/5/2024

Prep Method: EPA 537.1

Analyst: SLB

**Matrix Spike (AHB0137-MS1), Source: AHA4167-01**

11CI-PF3OUdS	29	2.0	ng/L	32	ND	92	70-130			02/07/24	
11CI-PF3OUdS	29.5	2.00	ng/L	31.9	ND	92	70-130			02/07/24	
9CI-PF3ONS	32	2.0	ng/L	32	ND	100	70-130			02/07/24	
9CI-PF3ONS	31.9	2.00	ng/L	31.9	ND	100	70-130			02/07/24	
ADONA	28	2.0	ng/L	32	ND	88	70-130			02/07/24	
ADONA	28.0	2.00	ng/L	31.9	ND	88	70-130			02/07/24	
HFPO-DA	26	2.0	ng/L	32	ND	81	70-130			02/07/24	
HFPO-DA	25.8	2.00	ng/L	31.9	ND	81	70-130			02/07/24	
NEtFOSAA	30	3.0	ng/L	32	ND	95	70-130			02/07/24	
NEtFOSAA	30.4	3.00	ng/L	31.9	ND	95	70-130			02/07/24	
NMeFOSAA	31	3.0	ng/L	32	ND	97	70-130			02/07/24	
NMeFOSAA	30.9	3.00	ng/L	31.9	ND	97	70-130			02/07/24	
PFBS	41	2.0	ng/L	32	5.8	110	70-130			02/07/24	
PFBS	40.8	2.00	ng/L	31.9	5.79	110	70-130			02/07/24	
PFDA	26	2.0	ng/L	32	ND	81	70-130			02/07/24	
PFDA	25.8	2.00	ng/L	31.9	ND	81	70-130			02/07/24	
PFDoA	25	2.0	ng/L	32	ND	79	70-130			02/07/24	
PFDoA	25.2	2.00	ng/L	31.9	ND	79	70-130			02/07/24	
PFHpA	33	2.0	ng/L	32	ND	98	70-130			02/07/24	
PFHpA	32.8	2.00	ng/L	31.9	ND	98	70-130			02/07/24	
PFHxA	32	2.0	ng/L	32	2.4	93	70-130			02/07/24	
PFHxA	32.2	2.00	ng/L	31.9	2.40	93	70-130			02/07/24	
PFHxS	43	2.0	ng/L	32	13	96	70-130			02/07/24	
PFHxS	43.0	2.00	ng/L	31.9	12.5	96	70-130			02/07/24	
PFNA	31	2.0	ng/L	32	ND	96	70-130			02/07/24	
PFNA	30.6	2.00	ng/L	31.9	ND	96	70-130			02/07/24	
PFOA	35	2.0	ng/L	32	5.4	92	70-130			02/07/24	
PFOA	34.7	2.00	ng/L	31.9	5.39	92	70-130			02/07/24	
PFOS	55	2.0	ng/L	32	21	106	70-130			02/07/24	
PFOS	54.9	2.00	ng/L	31.9	21.0	106	70-130			02/07/24	
PFTDA	24	2.0	ng/L	32	ND	75	70-130			02/07/24	
PFTDA	23.9	2.00	ng/L	31.9	ND	75	70-130			02/07/24	
PFTTrDA	24	2.0	ng/L	32	ND	77	70-130			02/07/24	
PFTTrDA	24.4	2.00	ng/L	31.9	ND	77	70-130			02/07/24	
PFUnDA	27	2.0	ng/L	32	ND	84	70-130			02/07/24	
PFUnDA	26.7	2.00	ng/L	31.9	ND	84	70-130			02/07/24	
Surrogate: 13C2-PFDA	130			170		78	70-130			02/07/24	
Surrogate: 13C2-PFHxA	140			170		81	70-130			02/07/24	
Surrogate: 13C3-HFPO-DA	140			170		84	70-130			02/07/24	
Surrogate: d5-NEtFOSAA	150			170		88	70-130			02/07/24	

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2/14/2024

**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: AHB0137

Prepared: 2/5/2024

Prep Method: EPA 537.1

Analyst: SLB

**Matrix Spike Dup (AHB0137-MSD1), Source: AHA4167-01**

11CI-PF3OUdS	30	2.0	ng/L	32	ND	95	70-130	2	30	02/07/24	
11CI-PF3OUdS	30.1	2.00	ng/L	31.8	ND	95	70-130	2	30	02/07/24	
9CI-PF3ONS	32	2.0	ng/L	32	ND	101	70-130	1	30	02/07/24	
9CI-PF3ONS	32.2	2.00	ng/L	31.8	ND	101	70-130	1	30	02/07/24	
ADONA	27	2.0	ng/L	32	ND	84	70-130	5	30	02/07/24	
ADONA	26.6	2.00	ng/L	31.8	ND	84	70-130	5	30	02/07/24	
HFPO-DA	25	2.0	ng/L	32	ND	78	70-130	5	30	02/07/24	
HFPO-DA	24.7	2.00	ng/L	31.8	ND	78	70-130	5	30	02/07/24	
NEtFOSAA	31	3.0	ng/L	32	ND	98	70-130	2	30	02/07/24	
NEtFOSAA	31.0	3.00	ng/L	31.8	ND	98	70-130	2	30	02/07/24	
NMeFOSAA	33	3.0	ng/L	32	ND	103	70-130	6	30	02/07/24	
NMeFOSAA	32.6	3.00	ng/L	31.8	ND	103	70-130	6	30	02/07/24	
PFBS	41	2.0	ng/L	32	5.8	110	70-130	0	30	02/07/24	
PFBS	40.7	2.00	ng/L	31.8	5.79	110	70-130	0	30	02/07/24	
PFDA	27	2.0	ng/L	32	ND	85	70-130	4	30	02/07/24	
PFDA	26.9	2.00	ng/L	31.8	ND	85	70-130	4	30	02/07/24	
PFDoA	24	2.0	ng/L	32	ND	75	70-130	5	30	02/07/24	
PFDoA	24.0	2.00	ng/L	31.8	ND	75	70-130	5	30	02/07/24	
PFHpA	29	2.0	ng/L	32	ND	85	70-130	13	30	02/07/24	
PFHpA	28.6	2.00	ng/L	31.8	ND	85	70-130	13	30	02/07/24	
PFHxA	31	2.0	ng/L	32	2.4	91	70-130	3	30	02/07/24	
PFHxA	31.2	2.00	ng/L	31.8	2.40	91	70-130	3	30	02/07/24	
PFHxS	40	2.0	ng/L	32	13	86	70-130	8	30	02/07/24	
PFHxS	39.8	2.00	ng/L	31.8	12.5	86	70-130	8	30	02/07/24	
PFNA	28	2.0	ng/L	32	ND	89	70-130	8	30	02/07/24	
PFNA	28.4	2.00	ng/L	31.8	ND	89	70-130	8	30	02/07/24	
PFOA	34	2.0	ng/L	32	5.4	89	70-130	3	30	02/07/24	
PFOA	33.6	2.00	ng/L	31.8	5.39	89	70-130	3	30	02/07/24	
PFOS	56	2.0	ng/L	32	21	109	70-130	1	30	02/07/24	
PFOS	55.5	2.00	ng/L	31.8	21.0	109	70-130	1	30	02/07/24	
PFTDA	24	2.0	ng/L	32	ND	74	70-130	1	30	02/07/24	
PFTDA	23.6	2.00	ng/L	31.8	ND	74	70-130	1	30	02/07/24	
PFTTrDA	24	2.0	ng/L	32	ND	74	70-130	3	30	02/07/24	
PFTTrDA	23.6	2.00	ng/L	31.8	ND	74	70-130	3	30	02/07/24	
PFUnDA	26	2.0	ng/L	32	ND	81	70-130	3	30	02/07/24	
PFUnDA	25.8	2.00	ng/L	31.8	ND	81	70-130	3	30	02/07/24	
Surrogate: 13C2-PFDA	130			170		74	70-130			02/07/24	
Surrogate: 13C2-PFHxA	130			170		77	70-130			02/07/24	
Surrogate: 13C3-HFPO-DA	130			170		75	70-130			02/07/24	
Surrogate: d5-NEtFOSAA	160			170		97	70-130			02/07/24	

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