



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

VHB0017

2/14/2024

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

REPORT OF ANALYSIS/S

Date Collected: 02/01/24	System Group Type: A
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-01701	County: Clark
Sample Location: S06 Before Treatment	Source Number(s): (list all sources if blended or composited) S06
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: 02/01/24 Date Analyzed: 02/07/24 Date Reported: 02/14/24
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: Grant 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		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	(PFDaA) 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-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / SLB
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / SLB

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VHB0017 FINAL 02142024 1356



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NOTES:

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******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: 02/01/24	System Group Type: A
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-01703	County: Clark
Sample Location: S06 After Treatment	Source Number(s): (list all sources if blended or composited) S06
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: 02/01/24 Date Analyzed: 02/07/24 Date Reported: 02/14/24
Sample Composition: (check appropriate box)	Sample Type: (check one)
<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	<input type="checkbox"/> Pre-Treatment/Untreated (Raw) <input checked="" type="checkbox"/> Post-treatment (Finished) <input type="checkbox"/> Unknown or Other
	Sample Collected by: Grant 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		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	(PFDaA) 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-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / SLB
0442	(NMeFOSAA) N-methyl perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / SLB

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REPORT OF ANALYSIS/S

Date Collected: 02/01/24	System Group Type: A
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-01705	County: Clark
Sample Location: S07 Before Treatment	Source Number(s): (list all sources if blended or composited) S07
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: 02/01/24 Date Analyzed: 02/07/24 Date Reported: 02/14/24
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	Sample Collected by: Grant 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 / 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
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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	(PFDaA) 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-Chloroeicosfluoro-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 perfluorooctanesulfonamidoacetate		ND	2	n/a	ng/L		EPA 537.1 / SLB
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REPORT OF ANALYSIS/S

Date Collected: 02/01/24	System Group Type: A
Water System ID Number: 93400	System Name: City of Washougal
Lab -- Sample Number: 218-01707	County: Clark
Sample Location: S07 After Treatment	Source Number(s): (list all sources if blended or composited) S07
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: 02/01/24 Date Analyzed: 02/07/24 Date Reported: 02/14/24
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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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0448	(11CI-PF3OUdS) 11-Chloroeicosfluoro-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
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BSK Associates Laboratory Fresno
Organics Quality Control Report

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC	RPD Limits	RPD	Date Limit	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	
PFTrDA	ND	2.0	ng/L								02/06/24	
PFTrDA	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	

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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: 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
PFTrDA	8.4	2.0	ng/L	10	ND	84	70-130		02/06/24
PFTrDA	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	Date Limit 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-PF3OUDsS	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
PFTrDA	24	2.0	ng/L	32	ND	77	70-130		02/07/24
PFTrDA	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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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	Date Limit 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
PFTrDA	24	2.0	ng/L	32	ND	74	70-130	3	30	02/07/24
PFTrDA	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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