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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 11:40
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW001-WT1	**Units:**	ug/L
Lab Code:	K1505990-001	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.40**		0.0357	0.0100	0.0100	1	06/05/15 07:42	6/4/15	
Perfluorooctanoic Acid	**0.130**		0.0179	0.00700	0.00300	1	06/05/15 07:42	6/4/15	
Perfluoroheptanoic Acid	**0.0544**		0.00893	0.00300	0.00200	1	06/05/15 07:42	6/4/15	
Perfluorononanoic Acid	**0.0128**	**J**	0.0179	0.00700	0.00400	1	06/05/15 07:42	6/4/15	
Perfluorobutanesulfonic Acid	**0.0521**	**J**	0.0804	0.0300	0.0100	1	06/05/15 07:42	6/4/15	
Perfluorohexylsulfonic Acid	**0.442**		0.0268	0.0100	0.00400	1	06/05/15 07:42	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	105	70 - 130	-	06/05/15 07:42	
Perfluoro-n-[1,2-13C2] decanoic acid	103	70 - 130	-	06/05/15 07:42	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 12:20
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW002-WT2	**Units:**	ug/L
Lab Code:	K1505990-002	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.27**		0.0345	0.0100	0.0100	1	06/05/15 07:51	6/4/15	
Perfluorooctanoic Acid	**0.103**		0.0172	0.00700	0.00300	1	06/05/15 07:51	6/4/15	
Perfluoroheptanoic Acid	**0.0626**		0.00862	0.00300	0.00200	1	06/05/15 07:51	6/4/15	
Perfluorononanoic Acid	**0.0125**	**J**	0.0172	0.00700	0.00400	1	06/05/15 07:51	6/4/15	
Perfluorobutanesulfonic Acid	**0.0454**	**J**	0.0776	0.0300	0.0100	1	06/05/15 07:51	6/4/15	
Perfluorohexylsulfonic Acid	**0.377**		0.0259	0.0100	0.00400	1	06/05/15 07:51	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	111	70 - 130	-	06/05/15 07:51	
Perfluoro-n-[1,2-13C2] decanoic acid	108	70 - 130	-	06/05/15 07:51	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 12:50
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW003-WT3	**Units:**	ug/L
Lab Code:	K1505990-003	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**0.988**		0.0345	0.0100	0.0100	1	06/05/15 08:00	6/4/15	
Perfluorooctanoic Acid	**0.0705**		0.0172	0.00700	0.00300	1	06/05/15 08:00	6/4/15	
Perfluoroheptanoic Acid	**0.0323**		0.00862	0.00300	0.00200	1	06/05/15 08:00	6/4/15	
Perfluorononanoic Acid	**0.00571**	**J**	0.0172	0.00700	0.00400	1	06/05/15 08:00	6/4/15	
Perfluorobutanesulfonic Acid	**0.0267**	**J**	0.0776	0.0300	0.0100	1	06/05/15 08:00	6/4/15	
Perfluorohexylsulfonic Acid	**0.244**		0.0259	0.0100	0.00400	1	06/05/15 08:00	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	115	70 - 130	-	06/05/15 08:00	
Perfluoro-n-[1,2-13C2] decanoic acid	116	70 - 130	-	06/05/15 08:00	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 13:10
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW004-WT4	**Units:**	ug/L
Lab Code:	K1505990-004	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.79**		0.357	0.100	0.100	10	06/05/15 14:33	6/4/15	
Perfluorooctanoic Acid	**0.113**		0.0179	0.00700	0.00300	1	06/05/15 08:09	6/4/15	
Perfluoroheptanoic Acid	**0.0505**		0.00893	0.00300	0.00200	1	06/05/15 08:09	6/4/15	
Perfluorononanoic Acid	**0.0107**	**J**	0.0179	0.00700	0.00400	1	06/05/15 08:09	6/4/15	
Perfluorobutanesulfonic Acid	**0.0460**	**J**	0.0804	0.0300	0.0100	1	06/05/15 08:09	6/4/15	
Perfluorohexylsulfonic Acid	**0.394**		0.0268	0.0100	0.00400	1	06/05/15 08:09	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	109	70 - 130	-	06/05/15 08:09	
Perfluoro-n-[1,2-13C2] decanoic acid	114	70 - 130	-	06/05/15 08:09	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 13:15
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW005-WT5	**Units:**	ug/L
Lab Code:	K1505990-005	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**2.09**		0.357	0.100	0.100	10	06/05/15 14:42	6/4/15	
Perfluorooctanoic Acid	**0.146**		0.0179	0.00700	0.00300	1	06/05/15 08:18	6/4/15	
Perfluoroheptanoic Acid	**0.0523**		0.00893	0.00300	0.00200	1	06/05/15 08:18	6/4/15	
Perfluorononanoic Acid	**0.0142**	**J**	0.0179	0.00700	0.00400	1	06/05/15 08:18	6/4/15	
Perfluorobutanesulfonic Acid	**0.0648**	**J**	0.0804	0.0300	0.0100	1	06/05/15 08:18	6/4/15	
Perfluorohexylsulfonic Acid	**0.529**		0.0268	0.0100	0.00400	1	06/05/15 08:18	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	108	70 - 130	-	06/05/15 08:18	
Perfluoro-n-[1,2-13C2] decanoic acid	107	70 - 130	-	06/05/15 08:18	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 13:50
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW006-WT6	**Units:**	ug/L
Lab Code:	K1505990-006	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**2.09**		0.345	0.100	0.100	10	06/05/15 14:52	6/4/15	
Perfluorooctanoic Acid	**0.132**		0.0172	0.00700	0.00300	1	06/05/15 08:27	6/4/15	
Perfluoroheptanoic Acid	**0.0547**		0.00862	0.00300	0.00200	1	06/05/15 08:27	6/4/15	
Perfluorononanoic Acid	**0.0182**		0.0172	0.00700	0.00400	1	06/05/15 08:27	6/4/15	
Perfluorobutanesulfonic Acid	**0.0618**	**J**	0.0776	0.0300	0.0100	1	06/05/15 08:27	6/4/15	
Perfluorohexylsulfonic Acid	**0.499**		0.0259	0.0100	0.00400	1	06/05/15 08:27	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	101	70 - 130	-	06/05/15 08:27	
Perfluoro-n-[1,2-13C2] decanoic acid	100	70 - 130	-	06/05/15 08:27	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 14:25
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW007-WT7	**Units:**	ug/L
Lab Code:	K1505990-007	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**0.106**		0.0357	0.0100	0.0100	1	06/05/15 08:36	6/4/15	
Perfluorooctanoic Acid	**0.0177**	**J**	0.0179	0.00700	0.00300	1	06/05/15 08:36	6/4/15	
Perfluoroheptanoic Acid	**0.0150**		0.00893	0.00300	0.00200	1	06/05/15 08:36	6/4/15	
Perfluorononanoic Acid	ND	U	0.0179	0.00700	0.00400	1	06/05/15 08:36	6/4/15	
Perfluorobutanesulfonic Acid	ND	U	0.0804	0.0300	0.0100	1	06/05/15 08:36	6/4/15	
Perfluorohexylsulfonic Acid	**0.0538**		0.0268	0.0100	0.00400	1	06/05/15 08:36	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	107	70 - 130	-	06/05/15 08:36	
Perfluoro-n-[1,2-13C2] decanoic acid	110	70 - 130	-	06/05/15 08:36	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 12:20
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW002-WT9	**Units:**	ug/L
Lab Code:	K1505990-008	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.37**		0.0357	0.0100	0.0100	1	06/05/15 09:40	6/4/15	
Perfluorooctanoic Acid	**0.106**		0.0179	0.00700	0.00300	1	06/05/15 09:40	6/4/15	
Perfluoroheptanoic Acid	**0.0638**		0.00893	0.00300	0.00200	1	06/05/15 09:40	6/4/15	
Perfluorononanoic Acid	**0.0129**	**J**	0.0179	0.00700	0.00400	1	06/05/15 09:40	6/4/15	
Perfluorobutanesulfonic Acid	**0.0468**	**J**	0.0804	0.0300	0.0100	1	06/05/15 09:40	6/4/15	
Perfluorohexylsulfonic Acid	**0.396**		0.0268	0.0100	0.00400	1	06/05/15 09:40	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	113	70 - 130	-	06/05/15 09:40	
Perfluoro-n-[1,2-13C2] decanoic acid	114	70 - 130	-	06/05/15 09:40	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/30/15 13:50
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PWFB-WT	**Units:**	ug/L
Lab Code:	K1505990-009	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	ND U	0.0400	0.0100	0.0100	1	06/05/15 09:49	6/4/15	
Perfluorooctanoic Acid	ND U	0.0200	0.00700	0.00300	1	06/05/15 09:49	6/4/15	
Perfluoroheptanoic Acid	ND U	0.0100	0.00300	0.00200	1	06/05/15 09:49	6/4/15	
Perfluorononanoic Acid	ND U	0.0200	0.00700	0.00400	1	06/05/15 09:49	6/4/15	
Perfluorobutanesulfonic Acid	ND U	0.0900	0.0300	0.0100	1	06/05/15 09:49	6/4/15	
Perfluorohexylsulfonic Acid	ND U	0.0300	0.0100	0.00400	1	06/05/15 09:49	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	105	70 - 130	-	06/05/15 09:49	
Perfluoro-n-[1,2-13C2] decanoic acid	111	70 - 130	-	06/05/15 09:49	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/31/15 11:00
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW008-WT8	**Units:**	ug/L
Lab Code:	K1505990-010	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.39**		0.0357	0.0100	0.0100	1	06/05/15 09:58	6/4/15	
Perfluorooctanoic Acid	**0.101**		0.0179	0.00700	0.00300	1	06/05/15 09:58	6/4/15	
Perfluoroheptanoic Acid	**0.0547**		0.00893	0.00300	0.00200	1	06/05/15 09:58	6/4/15	
Perfluorononanoic Acid	**0.00971**	**J**	0.0179	0.00700	0.00400	1	06/05/15 09:58	6/4/15	
Perfluorobutanesulfonic Acid	**0.0501**	**J**	0.0804	0.0300	0.0100	1	06/05/15 09:58	6/4/15	
Perfluorohexylsulfonic Acid	**0.381**		0.0268	0.0100	0.00400	1	06/05/15 09:58	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	112	70 - 130	-	06/05/15 09:58	
Perfluoro-n-[1,2-13C2] decanoic acid	117	70 - 130	-	06/05/15 09:58	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/31/15 11:05
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW009-WT9	**Units:**	ug/L
Lab Code:	K1505990-011	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.10**		0.0357	0.0100	0.0100	1	06/05/15 10:07	6/4/15	
Perfluorooctanoic Acid	**0.101**		0.0179	0.00700	0.00300	1	06/05/15 10:07	6/4/15	
Perfluoroheptanoic Acid	**0.0398**		0.00893	0.00300	0.00200	1	06/05/15 10:07	6/4/15	
Perfluorononanoic Acid	**0.00689**	**J**	0.0179	0.00700	0.00400	1	06/05/15 10:07	6/4/15	
Perfluorobutanesulfonic Acid	**0.0359**	**J**	0.0804	0.0300	0.0100	1	06/05/15 10:07	6/4/15	
Perfluorohexylsulfonic Acid	**0.285**		0.0268	0.0100	0.00400	1	06/05/15 10:07	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	114	70 - 130	-	06/05/15 10:07	
Perfluoro-n-[1,2-13C2] decanoic acid	122	70 - 130	-	06/05/15 10:07	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/31/15 11:15
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PW010-WT10	**Units:**	ug/L
Lab Code:	K1505990-012	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	**1.37**		0.0357	0.0100	0.0100	1	06/05/15 10:16	6/4/15	
Perfluorooctanoic Acid	**0.0943**		0.0179	0.00700	0.00300	1	06/05/15 10:16	6/4/15	
Perfluoroheptanoic Acid	**0.0518**		0.00893	0.00300	0.00200	1	06/05/15 10:16	6/4/15	
Perfluorononanoic Acid	**0.00993**	**J**	0.0179	0.00700	0.00400	1	06/05/15 10:16	6/4/15	
Perfluorobutanesulfonic Acid	**0.0458**	**J**	0.0804	0.0300	0.0100	1	06/05/15 10:16	6/4/15	
Perfluorohexylsulfonic Acid	**0.359**		0.0268	0.0100	0.00400	1	06/05/15 10:16	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	114	70 - 130	-	06/05/15 10:16	
Perfluoro-n-[1,2-13C2] decanoic acid	118	70 - 130	-	06/05/15 10:16	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/31/15 09:00
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	15MC-PWFB-WT	**Units:**	ug/L
Lab Code:	K1505990-013	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	ND U	0.0345	0.0100	0.0100	1	06/05/15 10:25	6/4/15	
Perfluorooctanoic Acid	ND U	0.0172	0.00700	0.00300	1	06/05/15 10:25	6/4/15	
Perfluoroheptanoic Acid	ND U	0.00862	0.00300	0.00200	1	06/05/15 10:25	6/4/15	
Perfluorononanoic Acid	ND U	0.0172	0.00700	0.00400	1	06/05/15 10:25	6/4/15	
Perfluorobutanesulfonic Acid	ND U	0.0776	0.0300	0.0100	1	06/05/15 10:25	6/4/15	
Perfluorohexylsulfonic Acid	ND U	0.0259	0.0100	0.00400	1	06/05/15 10:25	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	107	70 - 130	-	06/05/15 10:25	
Perfluoro-n-[1,2-13C2] decanoic acid	117	70 - 130	-	06/05/15 10:25	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	05/31/15 20:15
Sample Matrix:	Water	**Date Received:**	06/03/15 10:00
Sample Name:	TRIP BLANK	**Units:**	ug/L
Lab Code:	K1505990-014	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result	LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	ND U	0.0400	0.0100	0.0100	1	06/05/15 10:34	6/4/15	
Perfluorooctanoic Acid	ND U	0.0200	0.00700	0.00300	1	06/05/15 10:34	6/4/15	
Perfluoroheptanoic Acid	ND U	0.0100	0.00300	0.00200	1	06/05/15 10:34	6/4/15	
Perfluorononanoic Acid	ND U	0.0200	0.00700	0.00400	1	06/05/15 10:34	6/4/15	
Perfluorobutanesulfonic Acid	ND U	0.0900	0.0300	0.0100	1	06/05/15 10:34	6/4/15	
Perfluorohexylsulfonic Acid	ND U	0.0300	0.0100	0.00400	1	06/05/15 10:34	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	107	70 - 130	-	06/05/15 10:34	
Perfluoro-n-[1,2-13C2] decanoic acid	116	70 - 130	-	06/05/15 10:34	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ1505932-04	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	ND	U	0.0400	0.0100	0.0100	1	06/05/15 04:32	6/4/15	
Perfluorooctanoic Acid	ND	U	0.0200	0.00700	0.00300	1	06/05/15 04:32	6/4/15	
Perfluoroheptanoic Acid	ND	U	0.0100	0.00300	0.00200	1	06/05/15 04:32	6/4/15	
Perfluorononanoic Acid	ND	U	0.0200	0.00700	0.00400	1	06/05/15 04:32	6/4/15	
Perfluorobutanesulfonic Acid	ND	U	0.0900	0.0300	0.0100	1	06/05/15 04:32	6/4/15	
Perfluorohexylsulfonic Acid	ND	U	0.0300	0.0100	0.00400	1	06/05/15 04:32	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	108	70 - 130	-	06/05/15 04:32	
Perfluoro-n-[1,2-13C2] decanoic acid	106	70 - 130	-	06/05/15 04:32	

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Analytical Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	KQ1505941-03	**Basis:**	NA

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
Prep Method: Method

Analyte Name	Result		LOQ	LOD	MDL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctylsulfonic Acid	ND	U	0.0400	0.0100	0.0100	1	06/05/15 09:12	6/4/15	
Perfluorooctanoic Acid	ND	U	0.0200	0.00700	0.00300	1	06/05/15 09:12	6/4/15	
Perfluoroheptanoic Acid	ND	U	0.0100	0.00300	0.00200	1	06/05/15 09:12	6/4/15	
Perfluorononanoic Acid	ND	U	0.0200	0.00700	0.00400	1	06/05/15 09:12	6/4/15	
Perfluorobutanesulfonic Acid	ND	U	0.0900	0.0300	0.0100	1	06/05/15 09:12	6/4/15	
Perfluorohexylsulfonic Acid	ND	U	0.0300	0.0100	0.00400	1	06/05/15 09:12	6/4/15	

Surrogate Name	% Rec	Control Limits		Date Analyzed	Q
Perfluoro-n-[1,2-13C2] hexanoic acid	108	70 - 130	-	06/05/15 09:12	
Perfluoro-n-[1,2-13C2] decanoic acid	114	70 - 130	-	06/05/15 09:12	

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:** K1505990

Project: Eielson/15-047

Sample Matrix: Water

SURROGATE RECOVERY SUMMARY

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537

Extraction Method: Method

Sample Name	Lab Code	Perfluoro-n-[1,2-13C2] hexanoic acid 70 - 130	Perfluoro-n-[1,2-13C2] decanoic acid 70 - 130
Batch QC	K1505980-001	106	108
15MC-PW001-WT1	K1505990-001	105	103
15MC-PW002-WT2	K1505990-002	111	108
15MC-PW003-WT3	K1505990-003	115	116
15MC-PW004-WT4	K1505990-004	109	114
15MC-PW005-WT5	K1505990-005	108	107
15MC-PW006-WT6	K1505990-006	101	100
15MC-PW007-WT7	K1505990-007	107	110
15MC-PW002-WT9	K1505990-008	113	114
15MC-PWFB-WT	K1505990-009	105	111
15MC-PW008-WT8	K1505990-010	112	117
15MC-PW009-WT9	K1505990-011	114	122
15MC-PW010-WT10	K1505990-012	114	118
15MC-PWFB-WT	K1505990-013	107	117
TRIP BLANK	K1505990-014	107	116
Batch QC	KQ1505932-01	105	108
Batch QC	KQ1505932-02	109	111
Lab Control Sample	KQ1505932-03	103	105
Method Blank	KQ1505932-04	108	106
Lab Control Sample	KQ1505941-01	109	115
Duplicate Lab Control Sample	KQ1505941-02	109	114
Method Blank	KQ1505941-03	108	114

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047 **Date Analyzed:**06/05/15 04:23

Internal Standard Area and RT SUMMARY

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

File ID: 060415\1012.wiff **Lab Code:**KQ1506058-03
Instrument ID: K-LCMS-02 **Analysis Lot:**447829
Analysis Method: 537 **Signal ID:**1

		Perfluoro-n-[1,2,3,4-13C4] octanoic acid		Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	
		Area	**RT**	**Area**	**RT**
	Results ==>	508,159	4.29	1,370,723	4.80
	Upper Limit ==>	711,423	5.29	1,919,012	5.80
	Lower Limit ==>	355,711	3.29	959,506	3.80
	ICAL Result ==>				
Associated Analyses					
Method Blank	KQ1505932-04	494771.48	4.27	1369458.36	4.79
Lab Control Sample	KQ1505932-03	520380.51	4.28	1411284.55	4.80
Batch QC	K1505980-001.R01	537131.29	4.28	1596289.78	4.79
Batch QCMS	KQ1505932-01	544540.40	4.27	1461051.52	4.79
Batch QCDMS	KQ1505932-02	516489.27	4.28	1498035.47	4.80

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047 **Date Analyzed:**06/05/15 04:23

Internal Standard Area and RT SUMMARY

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

File ID: 060415\1032.wiff **Lab Code:**KQ1506058-05
Instrument ID: K-LCMS-02 **Analysis Lot:**447829
Analysis Method: 537 **Signal ID:**1

		Perfluoro-n-[1,2,3,4-13C4] octanoic acid		Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	
		Area	**RT**	**Area**	**RT**
	Results ==>	518,463	4.28	1,460,052	4.79
	Upper Limit ==>	725,848	5.28	2,044,073	5.79
	Lower Limit ==>	362,924	3.28	1,022,036	3.79
	ICAL Result ==>				
Associated Analyses					
15MC-PW001-WT1	K1505990-001	556615.76	4.29	1827401.39	4.79
15MC-PW002-WT2	K1505990-002	523124.41	4.28	1645928.65	4.80
15MC-PW003-WT3	K1505990-003	516806.46	4.28	1671906.24	4.79
15MC-PW004-WT4	K1505990-004.R01	548080.03	4.28	1785405.83	4.79
15MC-PW005-WT5	K1505990-005.R01	557502.14	4.28	1765879.16	4.79
15MC-PW006-WT6	K1505990-006.R01	585731.92	4.28	1772333.97	4.79
15MC-PW007-WT7	K1505990-007	532350.32	4.28	1693579.20	4.80

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047 **Date Analyzed:**06/05/15 04:23

Internal Standard Area and RT SUMMARY

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

File ID: 060415\1043.wiff **Lab Code:**KQ1506060-01
Instrument ID: K-LCMS-02 **Analysis Lot:**447994
Analysis Method: 537 **Signal ID:**1

		Perfluoro-n-[1,2,3,4-13C4] octanoic acid		Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	
		Area	**RT**	**Area**	**RT**
	Results ==>	547,965	4.28	1,597,292	4.79
	Upper Limit ==>	767,151	5.28	2,236,209	5.79
	Lower Limit ==>	383,575	3.28	1,118,104	3.79
	ICAL Result ==>				
Associated Analyses					
Method Blank	KQ1505941-03	521153.35	4.28	1514926.31	4.79
Lab Control Sample	KQ1505941-01	522198.46	4.28	1628511.28	4.79
Duplicate Lab Control Sample	KQ1505941-02	522312.61	4.28	1575044.84	4.79
15MC-PW002-WT9	K1505990-008	550917.70	4.28	1733205.10	4.79
15MC-PWFB-WT	K1505990-009	513170.83	4.27	1499481.26	4.79
15MC-PW008-WT8	K1505990-010	527591.20	4.28	1699274.65	4.80
15MC-PW009-WT9	K1505990-011	508878.56	4.28	1666496.65	4.80
15MC-PW010-WT10	K1505990-012	525810.84	4.29	1675473.29	4.80
15MC-PWFB-WT	K1505990-013	532962.70	4.28	1584656.91	4.80
TRIP BLANK	K1505990-014	538944.83	4.28	1669607.57	4.79

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047 **Date Analyzed:**06/05/15 04:23

Internal Standard Area and RT SUMMARY

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

File ID: 060415\1054.wiff **Lab Code:**KQ1506060-02
Instrument ID: K-LCMS-02 **Analysis Lot:**447994
Analysis Method: 537 **Signal ID:**1

		Perfluoro-n-[1,2,3,4-13C4] octanoic acid		Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	
		Area	**RT**	**Area**	**RT**
	Results ==>	557,244	4.27	1,608,987	4.80
	Upper Limit ==>	780,142	5.27	2,252,582	5.80
	Lower Limit ==>	390,071	3.27	1,126,291	3.80
	ICAL Result ==>				
Associated Analyses					
Batch QC	K1505980-001	543976.00	4.28	1705639.10	4.79
15MC-PW004-WT4	K1505990-004	506650.00	4.28	1571226.65	4.79
15MC-PW005-WT5	K1505990-005	508138.97	4.28	1663465.85	4.79
15MC-PW006-WT6	K1505990-006	533620.88	4.27	1692330.36	4.79

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QA/QC Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Collected:**	N/A
Sample Matrix:	Water	**Date Received:**	N/A
		Date Analyzed:	06/5/15
		Date Extracted:	06/4/15

Duplicate Matrix Spike Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name:	Batch QC	**Units:**	ug/L
Lab Code:	K1505980-001	**Basis:**	NA
Analysis Method:	537		
Prep Method:	Method		

		Matrix Spike KQ1505932-01			Duplicate Matrix Spike KQ1505932-02					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorobutanesulfonic Acid	0.0505 J	0.448	0.310	128	0.430	0.310	122	0-200	4	30
Perfluoroheptanoic Acid	0.0464	0.0791	0.0345	95	0.0860	0.0345	115	0-200	8	30
Perfluorohexylsulfonic Acid	0.379	0.497	0.103	114	0.502	0.103	119	0-200	<1	30
Perfluorononanoic Acid	0.00891 J	0.0789	0.0690	102	0.0871	0.0690	113	0-200	10	30
Perfluorooctanoic Acid	0.0980	0.164	0.0690	96	0.180	0.0690	118	0-200	9	30
Perfluorooctylsulfonic Acid	1.70	1.50	0.138	-149 #	1.56	0.138	-107 #	0-200	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Analyzed:**	06/05/15
Sample Matrix:	Water	**Date Extracted:**	06/04/15

Duplicate Lab Control Sample Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method:	537	**Units:**	ug/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	447994

	Lab Control Sample KQ1505941-01			Duplicate Lab Control Sample KQ1505941-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Perfluorobutanesulfonic Acid	0.106	0.0900	118	0.0961	0.0900	107	50-150	10	50
Perfluoroheptanoic Acid	0.0119	0.0100	119	0.0110	0.0100	110	50-150	8	50
Perfluorohexylsulfonic Acid	0.0321	0.0300	107	0.0298	0.0300	99	50-150	8	50
Perfluorononanoic Acid	0.0251	0.0200	126	0.0229	0.0200	115	50-150	9	50
Perfluorooctanoic Acid	0.0248	0.0200	124	0.0214	0.0200	107	50-150	14	50
Perfluorooctylsulfonic Acid	0.0468	0.0400	117	0.0435	0.0400	109	50-150	7	50

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047
Sample Matrix: Water

Service Request:K1505990
Date Analyzed:06/05/15 04:32
Date Extracted:06/04/15

Method Blank Summary

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name: Method Blank
Lab Code: KQ1505932-04

Instrument ID:K-LCMS-02
File ID:060415\1013.wiff

Analysis Method: 537
Prep Method: Method

Analysis Lot:447829
Extraction Lot:237404

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	KQ1505932-03	060415\1014.wiff	06/05/15 04:41
Batch QC	K1505980-001	060415\1015.wiff	06/05/15 04:50
Batch QC	KQ1505932-01	060415\1016.wiff	06/05/15 04:59
Batch QC	KQ1505932-02	060415\1017.wiff	06/05/15 05:08
15MC-PW001-WT1	K1505990-001	060415\1034.wiff	06/05/15 07:42
15MC-PW002-WT2	K1505990-002	060415\1035.wiff	06/05/15 07:51
15MC-PW003-WT3	K1505990-003	060415\1036.wiff	06/05/15 08:00
15MC-PW004-WT4	K1505990-004	060415\1037.wiff	06/05/15 08:09
15MC-PW005-WT5	K1505990-005	060415\1038.wiff	06/05/15 08:18
15MC-PW006-WT6	K1505990-006	060415\1039.wiff	06/05/15 08:27
15MC-PW007-WT7	K1505990-007	060415\1040.wiff	06/05/15 08:36
Batch QC	K1505980-001	060415\1059.wiff	06/05/15 14:15
15MC-PW004-WT4	K1505990-004	060415\1061.wiff	06/05/15 14:33
15MC-PW005-WT5	K1505990-005	060415\1062.wiff	06/05/15 14:42
15MC-PW006-WT6	K1505990-006	060415\1063.wiff	06/05/15 14:52

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QA/QC Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Analyzed:**	06/05/15 09:12
Sample Matrix:	Water	**Date Extracted:**	06/04/15

Method Blank Summary

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name:	Method Blank	**Instrument ID:**	K-LCMS-02
Lab Code:	KQ1505941-03	**File ID:**	060415\1044.wiff
Analysis Method:	537	**Analysis Lot:**	447994
Prep Method:	Method	**Extraction Lot:**	237435

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	KQ1505941-01	060415\1045.wiff	06/05/15 09:21
Duplicate Lab Control Sample	KQ1505941-02	060415\1046.wiff	06/05/15 09:30
15MC-PW002-WT9	K1505990-008	060415\1047.wiff	06/05/15 09:40
15MC-PWFB-WT	K1505990-009	060415\1048.wiff	06/05/15 09:49
15MC-PW008-WT8	K1505990-010	060415\1049.wiff	06/05/15 09:58
15MC-PW009-WT9	K1505990-011	060415\1050.wiff	06/05/15 10:07
15MC-PW010-WT10	K1505990-012	060415\1051.wiff	06/05/15 10:16
15MC-PWFB-WT	K1505990-013	060415\1052.wiff	06/05/15 10:25
TRIP BLANK	K1505990-014	060415\1053.wiff	06/05/15 10:34

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047
Sample Matrix: Water

Service Request:K1505990
Date Analyzed:NA
Date Extracted:06/04/15

Method Blank Summary

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name:
Lab Code:

Instrument ID:
File ID:

Analysis Method: 537
Prep Method: Method

Analysis Lot:447994
Extraction Lot:237404

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Batch QC	K1505980-001	060415\1059.wiff	06/05/15 14:15
15MC-PW004-WT4	K1505990-004	060415\1061.wiff	06/05/15 14:33
15MC-PW005-WT5	K1505990-005	060415\1062.wiff	06/05/15 14:42
15MC-PW006-WT6	K1505990-006	060415\1063.wiff	06/05/15 14:52

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047
Sample Matrix: Water

Service Request:K1505990
Date Analyzed:06/05/15 04:41
Date Extracted:06/04/15

Lab Control Sample Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name: Lab Control Sample
Lab Code: KQ1505932-03

Instrument ID:K-LCMS-02
File ID:060415\1014.wiff

Analysis Method: 537
Prep Method: Method

Analysis Lot:447829
Extraction Lot:237404

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ1505932-04	060415\1013.wiff	06/05/15 04:32
Batch QC	K1505980-001	060415\1015.wiff	06/05/15 04:50
Batch QC	KQ1505932-01	060415\1016.wiff	06/05/15 04:59
Batch QC	KQ1505932-02	060415\1017.wiff	06/05/15 05:08
15MC-PW001-WT1	K1505990-001	060415\1034.wiff	06/05/15 07:42
15MC-PW002-WT2	K1505990-002	060415\1035.wiff	06/05/15 07:51
15MC-PW003-WT3	K1505990-003	060415\1036.wiff	06/05/15 08:00
15MC-PW004-WT4	K1505990-004	060415\1037.wiff	06/05/15 08:09
15MC-PW005-WT5	K1505990-005	060415\1038.wiff	06/05/15 08:18
15MC-PW006-WT6	K1505990-006	060415\1039.wiff	06/05/15 08:27
15MC-PW007-WT7	K1505990-007	060415\1040.wiff	06/05/15 08:36
Batch QC	K1505980-001	060415\1059.wiff	06/05/15 14:15
15MC-PW004-WT4	K1505990-004	060415\1061.wiff	06/05/15 14:33
15MC-PW005-WT5	K1505990-005	060415\1062.wiff	06/05/15 14:42
15MC-PW006-WT6	K1505990-006	060415\1063.wiff	06/05/15 14:52

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QA/QC Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Analyzed:**	06/05/15 09:21
Sample Matrix:	Water	**Date Extracted:**	06/04/15

Lab Control Sample Summary

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name:	Lab Control Sample	**Instrument ID:**	K-LCMS-02
Lab Code:	KQ1505941-01	**File ID:**	060415\1045.wiff
Analysis Method:	537	**Analysis Lot:**	447994
Prep Method:	Method	**Extraction Lot:**	237435

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Method Blank	KQ1505941-03	060415\1044.wiff	06/05/15 09:12
Duplicate Lab Control Sample	KQ1505941-02	060415\1046.wiff	06/05/15 09:30
15MC-PW002-WT9	K1505990-008	060415\1047.wiff	06/05/15 09:40
15MC-PWFB-WT	K1505990-009	060415\1048.wiff	06/05/15 09:49
15MC-PW008-WT8	K1505990-010	060415\1049.wiff	06/05/15 09:58
15MC-PW009-WT9	K1505990-011	060415\1050.wiff	06/05/15 10:07
15MC-PW010-WT10	K1505990-012	060415\1051.wiff	06/05/15 10:16
15MC-PWFB-WT	K1505990-013	060415\1052.wiff	06/05/15 10:25
TRIP BLANK	K1505990-014	060415\1053.wiff	06/05/15 10:34

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QA/QC Report

Client:	Jacobs Engineering Group, Incorporated	**Service Request:**	K1505990
Project:	Eielson/15-047	**Date Analyzed:**	NA
Sample Matrix:	Water	**Date Extracted:**	06/04/15

Lab Control Sample Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Sample Name:		**Instrument ID:**	
Lab Code:		**File ID:**	
Analysis Method:	537	**Analysis Lot:**	447994
Prep Method:	Method	**Extraction Lot:**	237404

This Lab Control Sample applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Batch QC	K1505980-001	060415\1059.wiff	06/05/15 14:15
15MC-PW004-WT4	K1505990-004	060415\1061.wiff	06/05/15 14:33
15MC-PW005-WT5	K1505990-005	060415\1062.wiff	06/05/15 14:42
15MC-PW006-WT6	K1505990-006	060415\1063.wiff	06/05/15 14:52

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:** K1505990
Project: Eielson **Calibration Date:** 6/5/2015

Initial Calibration Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Calibration ID: KC1500029 **Signal ID:** 1
Instrument ID: K-LCMS-02

#	Lab Code	Sample Name	File Location	Aquisition Date
01	KC1500029-01	EPA537 ICAL 1-9ppb	060415\1002.wiff	06/05/2015 02:52
02	KC1500029-02	EPA537 ICAL 2.5-22.5ppb	060415\1003.wiff	06/05/2015 03:01
03	KC1500029-03	EPA537 ICAL 5-45ppb	060415\1004.wiff	06/05/2015 03:10
04	KC1500029-04	EPA537 ICAL 10-90ppb	060415\1005.wiff	06/05/2015 03:19
05	KC1500029-05	EPA537 ICAL 20-180ppb	060415\1006.wiff	06/05/2015 03:28
06	KC1500029-06	EPA537 ICAL 50-450ppb	060415\1007.wiff	06/05/2015 03:38
07	KC1500029-07	EPA537 ICAL 100-900ppb	060415\1008.wiff	06/05/2015 03:47

Analyte **Curve Fit** **Weighting**

Perfluorooctylsulfonic Acid **Average RF** **RSD = 3.62** **Average RF = 1.087**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	4.00	0.8922	02	10.0	0.8695	03	20.0	0.9117	04	40.0	0.9428
05	80.0	0.9193	06	200.	0.9642	07	400.	0.9462			

Perfluorooctanoic Acid **Average RF** **RSD = 3.49** **Average RF = 1.062**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.00	0.9145	02	5.00	0.8997	03	10.0	0.9611	04	20.0	0.9551
05	40.0	0.9152	06	100.	0.958	07	200.	0.9917			

Perfluoroheptanoic Acid **Average RF** **RSD = 6.97** **Average RF = 1.043**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	1.00	1.025	02	2.50	0.8339	03	5.00	0.9707	04	10.0	0.9769
05	20.0	0.9789	06	50.0	0.9501	07	100.	0.9987			

Perfluorononanoic Acid **Average RF** **RSD = 5.12** **Average RF = 0.855**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	2.00	1.114	02	5.00	1.09	03	10.0	1.164	04	20.0	1.244
05	40.0	1.147	06	100.	1.206	07	200.	1.236			

Perfluorobutanesulfonic Acid **Average RF** **RSD = 4.32** **Average RF = 1.549**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	9.00	0.6203	02	22.5	0.6236	03	45.0	0.6435	04	90.0	0.6552
05	180.	0.6912									

Perfluorohexylsulfonic Acid **Average RF** **RSD = 3.45** **Average RF = 1.851**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	3.00	0.5214	02	7.50	0.5208	03	15.0	0.5367	04	30.0	0.5296
05	60.0	0.5466	06	150.	0.5601	07	300.	0.5694			

Perfluoro-n-[1,2-13C2] hexanoic acid **Average RF** **RSD = 3.80** **Average RF = 0.809**
Control Criteria ≤

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.0	1.345	02	10.0	1.224	03	10.0	1.204	04	10.0	1.226
05	10.0	1.24	06	10.0	1.232	07	10.0	1.195			

Client: Jacobs Engineering Group, Incorporated **Service Request:** K1505990
Project: Eielson **Calibration Date:** 6/5/2015

Initial Calibration Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Calibration ID: KC1500029 **Signal ID:** 1
Instrument ID: K-LCMS-02

Analyte	Curve Fit	Weighting	
Perfluoro-n-[1,2-13C2] decanoic acid	**Average RF**	**RSD = 5.52** **Control Criteria ≤**	**Average RF = 0.737**

#	Amount	RF	#	Amount	RF	#	Amount	RF	#	Amount	RF
01	10.0	1.517	02	10.0	1.273	03	10.0	1.369	04	10.0	1.371
05	10.0	1.303	06	10.0	1.375	07	10.0	1.323			

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:** K1505990
Project: Eielson **Calibration Date:** 6/5/2015

Initial Calibration Verification Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Calibration ID: KC1500029 **Signal ID:** 1
Instrument ID: K-LCMS-02

#	Lab Code	Sample Name	File Location	Aquisition Date
08	KC1500029-08	EPA537 ICV 50ppb	060415\1010.wiff	06/05/2015 04:05

Analyte Name	Expected	Result	Average RF	SSV RF	% D	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	47.8	43.252	1.087	0.984	-9.514		Average RF
Perfluorooctanoic Acid	50.0	49.395	1.062	1.050	-1.209		Average RF
Perfluoroheptanoic Acid	50.0	49.613	1.043	1.035	-0.774		Average RF
Perfluorononanoic Acid	50.0	52.430	0.855	0.897	4.86		Average RF
Perfluorobutanesulfonic Acid	44.3	45.067	1.549	1.575	1.73		Average RF
Perfluorohexylsulfonic Acid	47.3	45.944	1.851	1.798	-2.866		Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	10.598	0.809	0.857	5.98		Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	10.669	0.737	0.786	6.69		Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 04:23

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1012.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447829
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	10.0	10.4	1.087	1.131	4.1	NA	±30	Average RF
Perfluorooctanoic Acid	5.00	5.24	1.062	1.113	4.7	NA	±30	Average RF
Perfluoroheptanoic Acid	2.50	2.69	1.043	1.124	7.7	NA	±30	Average RF
Perfluorononanoic Acid	5.00	5.34	0.855	0.914	6.9	NA	±30	Average RF
Perfluorobutanesulfonic Acid	22.5	22.5	1.549	1.549	0.0	NA	±30	Average RF
Perfluorohexylsulfonic Acid	7.50	7.51	1.851	1.855	0.2	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	9.92	0.809	0.803	-0.8	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	10.2	0.737	0.751	2.0	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 05:53

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1022.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447829
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	40.0	39.8	1.087	1.082	-0.5	NA	±30	Average RF
Perfluorooctanoic Acid	20.0	20.2	1.062	1.071	0.8	NA	±30	Average RF
Perfluoroheptanoic Acid	10.0	9.72	1.043	1.014	-2.8	NA	±30	Average RF
Perfluorononanoic Acid	20.0	20.1	0.855	0.859	0.5	NA	±30	Average RF
Perfluorobutanesulfonic Acid	90.0	86.0	1.549	1.480	-4.4	NA	±30	Average RF
Perfluorohexylsulfonic Acid	30.0	27.5	1.851	1.698	-8.3	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	10.2	0.809	0.824	1.8	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	10.8	0.737	0.798	8.4	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 07:24

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1032.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447829
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	80.0	80.3	1.087	1.091	0.3	NA	±30	Average RF
Perfluorooctanoic Acid	40.0	41.2	1.062	1.096	3.1	NA	±30	Average RF
Perfluoroheptanoic Acid	20.0	19.9	1.043	1.036	-0.7	NA	±30	Average RF
Perfluorononanoic Acid	40.0	41.6	0.855	0.889	4.0	NA	±30	Average RF
Perfluorobutanesulfonic Acid	180	173	1.549	1.484	-4.2	NA	±30	Average RF
Perfluorohexylsulfonic Acid	60.0	57.4	1.851	1.771	-4.4	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	10.6	0.809	0.859	6.1	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	10.8	0.737	0.798	8.3	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 08:45

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1041.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447829
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	40.0	39.6	1.087	1.075	-1.1	NA	±30	Average RF
Perfluorooctanoic Acid	20.0	19.8	1.062	1.053	-0.9	NA	±30	Average RF
Perfluoroheptanoic Acid	10.0	9.48	1.043	0.989	-5.2	NA	±30	Average RF
Perfluorononanoic Acid	20.0	20.1	0.855	0.862	0.7	NA	±30	Average RF
Perfluorobutanesulfonic Acid	90.0	81.3	1.549	1.399	-9.6	NA	±30	Average RF
Perfluorohexylsulfonic Acid	30.0	27.0	1.851	1.669	-9.9	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	10.1	0.809	0.817	1.0	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	10.8	0.737	0.799	8.4	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 09:03

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1043.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447994
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	10.0	10.4	1.087	1.127	3.7	NA	±30	Average RF
Perfluorooctanoic Acid	5.00	5.22	1.062	1.108	4.3	NA	±30	Average RF
Perfluoroheptanoic Acid	2.50	2.49	1.043	1.040	-0.4	NA	±30	Average RF
Perfluorononanoic Acid	5.00	5.25	0.855	0.899	5.0	NA	±30	Average RF
Perfluorobutanesulfonic Acid	22.5	22.4	1.549	1.542	-0.4	NA	±30	Average RF
Perfluorohexylsulfonic Acid	7.50	7.19	1.851	1.774	-4.2	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	9.59	0.809	0.775	-4.1	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	10.5	0.737	0.770	4.5	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 10:43

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1054.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447994
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	40.0	39.5	1.087	1.074	-1.2	NA	±30	Average RF
Perfluorooctanoic Acid	20.0	19.4	1.062	1.032	-2.8	NA	±30	Average RF
Perfluoroheptanoic Acid	10.0	9.33	1.043	0.974	-6.7	NA	±30	Average RF
Perfluorononanoic Acid	20.0	19.5	0.855	0.836	-2.3	NA	±30	Average RF
Perfluorobutanesulfonic Acid	90.0	81.3	1.549	1.398	-9.7	NA	±30	Average RF
Perfluorohexylsulfonic Acid	30.0	27.1	1.851	1.675	-9.5	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	9.69	0.809	0.784	-3.1	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	11.2	0.737	0.822	11.6	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated
Project: Eielson/15-047

Service Request: K1505990
Date Analyzed: 06/05/15 15:01

Continuing Calibration Verification (CCV) Summary
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537
File ID: 060415\1064.wiff

Calibration Date: 6/5/2015 12:00:00 AM
Calibration ID: KC1500029
Analysis Lot: 447994
Units: ng/mL

Analyte Name	Expected	Result	Average RF	CCV RF	% D	% Drift	Criteria	Curve Fit
Perfluorooctylsulfonic Acid	80.0	82.6	1.087	1.122	3.2	NA	±30	Average RF
Perfluorooctanoic Acid	40.0	41.2	1.062	1.095	3.1	NA	±30	Average RF
Perfluoroheptanoic Acid	20.0	19.1	1.043	0.996	-4.5	NA	±30	Average RF
Perfluorononanoic Acid	40.0	43.0	0.855	0.921	7.6	NA	±30	Average RF
Perfluorobutanesulfonic Acid	180	161	1.549	1.387	-10.4	NA	±30	Average RF
Perfluorohexylsulfonic Acid	60.0	54.1	1.851	1.669	-9.9	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] hexanoic acid	10.0	10.3	0.809	0.835	3.2	NA	±30	Average RF
Perfluoro-n-[1,2-13C2] decanoic acid	10.0	11.6	0.737	0.854	16.0	NA	±30	Average RF

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047

Analysis Run Log
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537 **Analysis Lot:**447829
Instrument ID:K-LCMS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
060415\1012.wiff	Continuing Calibration Verification	KQ1506058-03	6/5/2015	04:23:14	
060415\1013.wiff	Method Blank	KQ1505932-04	6/5/2015	04:32:16	
060415\1014.wiff	Lab Control Sample	KQ1505932-03	6/5/2015	04:41:20	
060415\1015.wiff	Batch QC	K1505980-001	6/5/2015	04:50:23	
060415\1016.wiff	Batch QC MS	KQ1505932-01	6/5/2015	04:59:23	
060415\1017.wiff	Batch QC DMS	KQ1505932-02	6/5/2015	05:08:26	
060415\1018.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	05:17:29	
060415\1019.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	05:26:31	
060415\1020.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	05:35:34	
060415\1021.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	05:44:38	
060415\1022.wiff	Continuing Calibration Verification	KQ1506058-04	6/5/2015	05:53:41	
060415\1024.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	06:11:47	
060415\1025.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	06:20:50	
060415\1026.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	06:29:55	
060415\1027.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	06:38:58	
060415\1028.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	06:48:02	
060415\1029.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	06:57:04	
060415\1030.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	07:06:08	
060415\1031.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	07:15:10	
060415\1032.wiff	Continuing Calibration Verification	KQ1506058-05	6/5/2015	07:24:17	
060415\1034.wiff	15MC-PW001-WT1	K1505990-001	6/5/2015	07:42:22	
060415\1035.wiff	15MC-PW002-WT2	K1505990-002	6/5/2015	07:51:26	
060415\1036.wiff	15MC-PW003-WT3	K1505990-003	6/5/2015	08:00:29	
060415\1037.wiff	15MC-PW004-WT4	K1505990-004	6/5/2015	08:09:32	
060415\1038.wiff	15MC-PW005-WT5	K1505990-005	6/5/2015	08:18:34	
060415\1039.wiff	15MC-PW006-WT6	K1505990-006	6/5/2015	08:27:37	
060415\1040.wiff	15MC-PW007-WT7	K1505990-007	6/5/2015	08:36:40	
060415\1041.wiff	Continuing Calibration Verification	KQ1506058-06	6/5/2015	08:45:44	
060415\1060.wiff	ZZZZZZZ	ZZZZZZZ	6/5/2015	14:24:54	

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QA/QC Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047

Analysis Run Log
Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Analysis Method: 537 **Analysis Lot:**447994
Instrument ID:K-LCMS-02

Raw Data File	Sample Name	Lab Code	Date Analyzed	Time Analyzed	Q
060415\1043.wiff	Continuing Calibration Verification	KQ1506060-01	6/5/2015	09:03:50	
060415\1044.wiff	Method Blank	KQ1505941-03	6/5/2015	09:12:52	
060415\1045.wiff	Lab Control Sample	KQ1505941-01	6/5/2015	09:21:55	
060415\1046.wiff	Duplicate Lab Control Sample	KQ1505941-02	6/5/2015	09:30:58	
060415\1047.wiff	15MC-PW002-WT9	K1505990-008	6/5/2015	09:40:02	
060415\1048.wiff	15MC-PWFB-WT	K1505990-009	6/5/2015	09:49:05	
060415\1049.wiff	15MC-PW008-WT8	K1505990-010	6/5/2015	09:58:07	
060415\1050.wiff	15MC-PW009-WT9	K1505990-011	6/5/2015	10:07:11	
060415\1051.wiff	15MC-PW010-WT10	K1505990-012	6/5/2015	10:16:13	
060415\1052.wiff	15MC-PWFB-WT	K1505990-013	6/5/2015	10:25:14	
060415\1053.wiff	TRIP BLANK	K1505990-014	6/5/2015	10:34:16	
060415\1054.wiff	Continuing Calibration Verification	KQ1506060-02	6/5/2015	10:43:19	
060415\1059.wiff	Batch QC	K1505980-001	6/5/2015	14:15:51	
060415\1061.wiff	15MC-PW004-WT4	K1505990-004	6/5/2015	14:33:56	
060415\1062.wiff	15MC-PW005-WT5	K1505990-005	6/5/2015	14:42:59	
060415\1063.wiff	15MC-PW006-WT6	K1505990-006	6/5/2015	14:52:05	
060415\1064.wiff	Continuing Calibration Verification	KQ1506060-03	6/5/2015	15:01:08	

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Prep Summary Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047
Sample Matrix: Water

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Prep Method: Method **Extraction Lot:**237404
Analytical Method: 537

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
Batch QC	K1505980-001	NA	NA	290.0000	1 mL	
Batch QC	K1505980-001	NA	NA	290.0000	1 mL	
15MC-PW001-WT1	K1505990-001	5/30/15	6/3/15	280.0000	1 mL	
15MC-PW002-WT2	K1505990-002	5/30/15	6/3/15	290.0000	1 mL	
15MC-PW003-WT3	K1505990-003	5/30/15	6/3/15	290.0000	1 mL	
15MC-PW004-WT4	K1505990-004	5/30/15	6/3/15	280.0000	1 mL	
15MC-PW004-WT4	K1505990-004	5/30/15	6/3/15	280.0000	1 mL	
15MC-PW005-WT5	K1505990-005	5/30/15	6/3/15	280.0000	1 mL	
15MC-PW005-WT5	K1505990-005	5/30/15	6/3/15	280.0000	1 mL	
15MC-PW006-WT6	K1505990-006	5/30/15	6/3/15	290.0000	1 mL	
15MC-PW006-WT6	K1505990-006	5/30/15	6/3/15	290.0000	1 mL	
15MC-PW007-WT7	K1505990-007	5/30/15	6/3/15	280.0000	1 mL	
Batch QC	KQ1505932-01	NA	NA	290.0000	1 mL	
Batch QC	KQ1505932-02	NA	NA	290.0000	1 mL	
Lab Control Sample	KQ1505932-03	NA	NA	250.0000	1 mL	
Method Blank	KQ1505932-04	NA	NA	250.0000	1 mL	

ALS Group USA, Corp.
dba ALS Environmental

Prep Summary Report

Client: Jacobs Engineering Group, Incorporated **Service Request:**K1505990
Project: Eielson/15-047
Sample Matrix: Water

Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS

Prep Method: Method **Extraction Lot:**237435
Analytical Method: 537

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Amount	Percent Solids
15MC-PW002-WT9	K1505990-008	5/30/15	6/3/15	280.0000	1 mL	
15MC-PWFB-WT	K1505990-009	5/30/15	6/3/15	250.0000	1 mL	
15MC-PW008-WT8	K1505990-010	5/31/15	6/3/15	280.0000	1 mL	
15MC-PW009-WT9	K1505990-011	5/31/15	6/3/15	280.0000	1 mL	
15MC-PW010-WT10	K1505990-012	5/31/15	6/3/15	280.0000	1 mL	
15MC-PWFB-WT	K1505990-013	5/31/15	6/3/15	290.0000	1 mL	
TRIP BLANK	K1505990-014	5/31/15	6/3/15	250.0000	1 mL	
Lab Control Sample	KQ1505941-01	NA	NA	250.0000	1 mL	
Duplicate Lab Control Sample	KQ1505941-02	NA	NA	250.0000	1 mL	
Method Blank	KQ1505941-03	NA	NA	250.0000	1 mL	