

FORM I
ICMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento

Job No.: 320-28973-1

SDG No.:

Client Sample ID: WI-AF-1RW50-0617

Lab Sample ID: 320-28973-1

Matrix: Water

Lab File ID: 2017.06.14_537B_025.d

Analysis Method: 537

Date Collected: 06/05/2017 10:09

Extraction Method: 537

Date Extracted: 06/13/2017 08:47

Sample wt/vol: 251.2(mL)

Date Analyzed: 06/14/2017 22:49

Con. Extract Vol.: 1.0(mL)

Dilution Factor: 1

Injection Volume: 2 (uL)

GC Column: Geminic18 3x100 ID: 3 (mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 169413

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1163-23-1	Perfluorooctanesulfonic acid (PFOS)	0.016	U	0.040	0.016	0.0063
335-67-1	Perfluorooctanoic acid (PFOA)	0.0080	U	0.020	0.0080	0.0028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.036	U	0.090	0.036	0.016

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PEHZA	89		70-130
STL00996	13C2 PEDDA	91		70-130

NW 7/3/17

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Lab Name: TestAmerica Sacramento Job No.: 320-28973-1

SDG No.: _____ Lab Sample ID: 320-28973-2

Client Sample ID: WI-AF-1FB50-0617 Lab File ID: 2017.06.14_537B_028.d

Matrix: Water

Analysis Method: 537 Date Collected: 06/05/2017 10:10

Extraction Method: 537 Date Extracted: 06/13/2017 08:47

Sample wt/vol: 267.2(mL) Date Analyzed: 06/14/2017 23:02

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 169413 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.037	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFOA)	0.0075	U	0.019	0.0075	0.0026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.084	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STI00993	13C2 PFHxA	93		70-130
STI00996	13C2 PFDA	93		70-130

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Lab Name: TestAmerica Sacramento Job No.: 320-28973-1

SDG No.: _____ Lab Sample ID: 320-28973-3

Client Sample ID: WT-AF-1RW51-0617 Lab File ID: 2017.06.14_537B_029.d

Matrix: Water

Analysis Method: 537 Date Collected: 06/05/2017 12:01

Extraction Method: 537 Date Extracted: 06/13/2017 08:47

Sample wt/vol: 264.1(mL) Date Analyzed: 06/14/2017 23:07

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: Geminic18 3x100 ID: 3 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 169413 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.032	Y	0.033	0.015	0.0164
335-67-1	Perfluorooctanoic acid (PFOA)	0.0064	Y	0.019	0.0076	0.0027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	Y	0.035	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL009993	13C2 PFHA	84		70-130
STL00996	13C2 PFDA	91		70-130

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Lab Name: TestAmerica Sacramento Job No.: 320-28973-1

SDG No.: _____

Client Sample ID: WI-AF-1FB51-0617 Lab Sample ID: 320-28973-4

Matrix: Water Lab File ID: 2017.06.14_537B_030.d

Analysis Method: 537 Date Collected: 06/05/2017 12:02

Extraction Method: 537 Date Extracted: 06/13/2017 08:47

Sample wt/vol: 263.9(mL) Date Analyzed: 06/14/2017 23:11

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 169413 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.033	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFDA)	0.0076	U	0.019	0.0076	0.0027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.085	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFDA	91		70-130
STL00996	13C2 PFDA	90		70-130

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Lab Name: TestAmerica Sacramento Job No.: 320-28973-1

SDG No.: _____ Lab Sample ID: 320-28973-5

Client Sample ID: WT-AF-1RW52-0617 Lab File ID: 2017.06.19_537B_003.d

Matrix: Water Analysis Method: 537 Date Collected: 06/06/2017 11:45

Extraction Method: 537 Date Extracted: 06/13/2017 08:47

Sample wt/vol: 259.3(mL) Date Analyzed: 06/19/2017 18:42

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 169962 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
<u>1763-33-1</u>	<u>Perfluorooctanesulfonic acid (PFOS)</u>	<u>0.015</u>	<u>U</u>	<u>0.039</u>	<u>0.015</u>	<u>0.0066</u>
<u>335-67-1</u>	<u>Perfluorooctanoic acid (PFOA)</u>	<u>0.0077</u>	<u>U</u>	<u>0.019</u>	<u>0.0077</u>	<u>0.0027</u>
<u>375-73-5</u>	<u>Perfluorobutanesulfonic acid (PFBS)</u>	<u>0.035</u>	<u>U</u>	<u>0.087</u>	<u>0.035</u>	<u>0.016</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
<u>STL00993</u>	<u>13G2 PFHxA</u>	<u>81</u>		<u>70-130</u>
<u>STL00996</u>	<u>13G2 PFDA</u>	<u>84</u>		<u>70-130</u>

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Lab Name: TestAmerica Sacramento

Job No.: 320-28973-1

SDG No.:

Client Sample ID: WT-AF-1RM52P-0617

Lab Sample ID: 320-28973-6

Matrix: Water

Lab File ID: 2017.06.14_537B_032.d

Analysis Method: 537

Date Collected: 06/06/2017 11:46

Extraction Method: 537

Date Extracted: 06/13/2017 08:47

Sample wt/vol: 265.2(mL)

Date Analyzed: 06/14/2017 23:20

Con. Extract Vol.: 1.0(mL)

Dilution Factor: 1

Injection Volume: 2(ul)

GC Column: Geminic18 3x100 ID: 3 (mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 169413

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.033	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFOA)	0.0075	U	0.019	0.0075	0.0026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.085	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
ST1009993	13C2 PFHxA	87		70-130
STL009996	13C2 PFDA	87		70-130

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Lab Name: TestAmerica Sacramento

Job No.: 320-28973-1

SDG No.:

Client Sample ID: WI-AF-1FB52-0617

Lab Sample ID: 320-28973-7

Matrix: Water

Lab File ID: 2017.06.14_537B_035.d

Analysis Method: 537

Date Collected: 06/06/2017 11:48

Extraction Method: 537

Date Extracted: 06/13/2017 08:47

Sample wt/vol: 258.2(mL)

Date Analyzed: 06/14/2017 23:33

Con. Extract Vol.: 1.0(mL)

Dilution Factor: 1

Injection Volume: 2(uL)

GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 169414

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.039	0.015	0.0066
335-67-1	Perfluorooctanoic acid (PFOA)	0.0077	U	0.019	0.0077	0.0027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.035	U	0.087	0.035	0.016

CAS NO.	SURROGATE	%REC	Q	LIMITS
STP00593	13C2 PERXA	88		70-130
STP00996	13C2 PEDDA	90		70-130

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Lab Name: TestAmerica Sacramento

Job No.: 320-28973-1

SDG No.:

Client Sample ID: WI-AF-1RW53-0617

Lab Sample ID: 320-28973-8

Matrix: Water

Lab File ID: 2017.06.14_537B_036.d

Analysis Method: 537

Date Collected: 06/07/2017 15:19

Extraction Method: 537

Date Extracted: 06/13/2017 08:47

Sample wt/vol: 253.8(mL)

Date Analyzed: 06/14/2017 23:38

Con. Extract Vol.: 1.0(mL)

Dilution Factor: 1

Injection Volume: 2(uL)

GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 169414

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.016	U	0.039	0.016	0.0067
335-67-1	Perfluorooctanoic acid (PFDA)	0.0079	U	0.020	0.0079	0.0029
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.035	U	0.089	0.035	0.016

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL000993	13C2 PEHKA	84		70-130
STL000996	13C2 PFDA	95		70-130

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Lab Name: TestAmerica Sacramento Job No.: 320-28973-1

SDG No.: _____

Client Sample ID: WI-AF-1FB53-0617 Lab Sample ID: 320-28973-9

Matrix: Water Lab File ID: 2017.06.14_537B_037.d

Analysis Method: 537 Date Collected: 06/07/2017 15:20

Extraction Method: 537 Date Extracted: 06/13/2017 08:47

Sample wt/vol: 263.4(mL) Date Analyzed: 06/14/2017 23:42

Con. Extract Vol.: 1.0(mL) Dilution Factor: 1

Injection Volume: 2 (uL) GC Column: Geminic18 3x100 ID: 3 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 169414 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
<u>1763-23-1</u>	<u>Perfluorooctanesulfonic acid (PFOS)</u>	<u>0.015</u>	<u>U</u>	<u>0.033</u>	<u>0.015</u>	<u>0.0065</u>
<u>335-67-1</u>	<u>Perfluorooctanoic acid (PFDA)</u>	<u>0.0076</u>	<u>U</u>	<u>0.019</u>	<u>0.0076</u>	<u>0.0027</u>
<u>375-73-5</u>	<u>Perfluorobutanesulfonic acid (PFBS)</u>	<u>0.034</u>	<u>U</u>	<u>0.085</u>	<u>0.034</u>	<u>0.015</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
<u>STL009933</u>	<u>13C2 PFHxA</u>	<u>99</u>		<u>70-130</u>
<u>STL00996</u>	<u>13C2 PFDA</u>	<u>83</u>		<u>70-130</u>

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Lab Name: TestAmerica Sacramento Job No.: 320-28973-1

SDG No.: _____ Lab Sample ID: 320-28973-10

Client Sample ID: WI-AF-1RW54-0617 Lab File ID: 2017.06.14_537B_038.d

Matrix: Water Date Collected: 06/08/2017 10:33

Analysis Method: 537 Date Extracted: 06/13/2017 08:47

Extraction Method: 537 Date Analyzed: 06/14/2017 23:46

Sample wt/vol: 264.6(mL) Dilution Factor: 1

Con. Extract Vol.: 1.0(mL) GC Column: Geminic18 3x100 ID: 3 (mm)

Injection Volume: 2 (uL) GPC Cleanup: (Y/N) N

% Moisture: _____ Units: ug/L

Analysis Batch No.: 169414

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.033	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFOA)	0.0076	U	0.019	0.0076	0.0026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.085	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHSA	35		70-130
STL00996	13C2 PFDA	85		70-130

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Lab Name: TestAmerica Sacramento

Job No.: 320-28973-1

SDG No.:

Client Sample ID: WI-AF-1FB54-0617

Lab Sample ID: 320-28973-11

Matrix: Water

Lab File ID: 2017.06.14_537B_039.d

Analysis Method: 537

Date Collected: 06/08/2017 10:34

Extraction Method: 537

Date Extracted: 06/13/2017 08:47

Sample wt/vol: 267.1(mL)

Date Analyzed: 06/14/2017 23:51

Con. Extract Vol.: 1.0(mL)

Dilution Factor: 1

Injection Volume: 2 (uL)

GC Column: Geminic18 3x100 ID: 3 (mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 169414

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	IOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.037	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFDA)	0.0075	U	0.019	0.0075	0.0026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.084	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PHXA	88		70-130
STL00996	13C2 PFDA	84		70-130

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Lab Name: TestAmerica Sacramento

Job No.: 320-28995-1

SDG No.:

Client Sample ID: WI-AF-1RW55-0617

Lab Sample ID: 320-28995-1

Matrix: Water

Lab File ID: 2017.06.14 537B 040.d

Analysis Method: 537

Date Collected: 06/09/2017 12:20

Extraction Method: 537

Date Extracted: 06/13/2017 08:47

Sample wt/vol: 264.2(mL)

Date Analyzed: 06/14/2017 23:55

Con. Extract Vol.: 1.0(mL)

Dilution Factor: 1

Injection Volume: 2(uL)

GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture:

GPC Cleanup: (Y/N) N

Analysis Batch No.: 169414

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.033	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFOA)	0.0076	U	0.019	0.0076	0.0026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.085	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STE00993	13G2 FEHZA	87		70-130
STL00996	13G2 PFDA	89		70-130

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Lab Name: TestAmerica Sacramento Job No.: 320-28995-1

SDG No.: _____ Lab Sample ID: 320-28995-2

Client Sample ID: WI-AF-1FB55-0617 Lab File ID: 2017.06.14_537B_041.d

Matrix: Water Date Collected: 06/09/2017 12:21

Analysis Method: 537 Date Extracted: 06/13/2017 08:47

Extraction Method: 537 Date Analyzed: 06/14/2017 23:59

Sample wt/vol: 264.5(mL) Dilution Factor: 1

Con. Extract Vol.: 1.0(mL) GC Column: Geminic18 3x100 ID: 3(mm)

Injection Volume: 2(uL) GPC Cleanup: (Y/N) N

% Moisture: _____ Units: ug/L

Analysis Batch No.: 169414

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.333	0.015	0.0064
335-67-1	Perfluorooctanoic acid (PFOA)	0.0076	U	0.019	0.0076	0.0026
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.034	U	0.085	0.034	0.015

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL009933	13C2 FHS2A	89		70-130
STL00996	13C2 PFDA	88		70-130

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Lab Name: TestAmerica Sacramento

Job No. : 320-29329-1

SDG No. : _____

Client Sample ID: WI-AF-1RW56-0617

Lab Sample ID: 320-29329-1

Matrix: Water

Lab File ID: 2017.06.28_537B_031.d

Analysis Method: 537

Date Collected: 06/21/2017 11:05

Extraction Method: 537

Date Extracted: 06/26/2017 08:40

Sample wt/vol: 251.6(ML)

Date Analyzed: 06/28/2017 19:26

Con. Extract Vol. : 1.00(ML)

Dilution Factor: 1

Injection Volume: 2 (uL)

GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture: _____

GPC Cleanup: (Y/N) N

Analysis Batch No. : 171496

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1703-23-1	Perfluorooctanesulfonic acid (PFOS)	0.016	U	0.043	0.016	0.0063
335-67-1	Perfluorooctanoic acid (PFOA)	0.0079	U	0.020	0.0079	0.0023
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.036	U	0.089	0.036	0.016

CAS NO.	SURROGATE	%REC	Q	LIMITS
STE00993	13C2 PEHxA	79		70-130
STL00996	13C2 PEDA	92		70-130

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Lab Name: TestAmerica Sacramento Job No.: 320-29329-1

SDG No.: _____ Lab Sample ID: 320-29329-3

Client Sample ID: WI-AF-1RW56P-0617 Lab File ID: 2017.06.28_537B_035.d

Matrix: Water Date Collected: 06/21/2017 11:10

Analysis Method: 537 Date Extracted: 06/26/2017 08:40

Extraction Method: 537 Sample wt/vol: 252.7(ml)

Con. Extract Vol.: 1.00(ml) Date Analyzed: 06/28/2017 19:45

Injection Volume: 2(ul) Dilution Factor: 1

% Moisture: _____ GC Column: Geminic18 3x100 ID: 3(mm)

Analysis Batch No.: 171496 GPC Cleanup: (Y/N) N

Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.016	U	0.040	0.016	0.0967
335-67-1	Perfluorooctanoic acid (PFOA)	0.0079	U	0.020	0.0079	0.0028
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.036	U	0.039	0.036	0.016

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	78		79-130
STL00996	13C2 PFDA	98		70-130

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2

Lab Name: TestAmerica Sacramento Job No.: 320-29329-1

SDG No.: _____ Lab Sample ID: 320-29329-2

Client Sample ID: WI-AF-1FB56-0617 Lab File ID: 2017.06.28_537B_034.d

Matrix: Water Analysis Method: 537 Date Collected: 06/21/2017 11:06

Extraction Method: 537 Date Extracted: 06/26/2017 08:40

Sample wt/vol: 258.2(mL) Date Analyzed: 06/28/2017 19:40

Con. Extract Vol.: 1.00(mL) Dilution Factor: 1

Injection Volume: 2(uL) GC Column: Geminic18 3x100 ID: 3(mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 171496 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.015	U	0.039	0.015	0.0066
335-67-1	Perfluorooctanoic acid (PFOA)	0.0077	U	0.019	0.0077	0.0027
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.035	U	0.087	0.035	0.016

CAS NO.	SURROGATE	%REC	Q	LIMITS
STL00993	13C2 PFHxA	85		70-130
STL00996	13C2 PFDA	96		70-130