

Report

Report No: 0903/20637
 Date: 30th March 2009
 Your Order No: 44682-OP
 Our Job No: 20637

M-Scan

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Jersey Airport Engineering Services
 Jersey Airport
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Attention:**LC-ESMS Analysis of Fluorinated Anionic Detergents in Jersey Water Sample****1. Samples**

Six water samples were received by M-Scan from [redacted] at Jersey Airport on 17th March 2009. The full sample details and chain of custody are given in *Appendix I*.

2. Analysis

The water samples were prepared using the established freeze-drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC-ESMS), calibrating with authentic perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The estimated concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of approximate ESMS relative response factors.

The analyses of the extracts were interspersed with system blanks.

3. Results

The measured concentrations of PFHS, PFOS and other fluorinated species (where detected with reasonable confidence) are summarised in *Table 1*.

Prepared on behalf of M-Scan Limited

by [redacted]

Date 30/03/09

Reviewed

by [redacted]

Date 30/3/09

M-Scan

Sample ID and Location	Sampling Date	CES Reference	M-Scan Reference	Reported Concentration (µg/l; ppb)								
				PFBS ²	PFPS ^{1,3}	PFHS ⁴	TDFOS ^{5,1} ₁	PFHpS ^{1,6}	PFOS ^{1,7}	TDFOXAS ^{8,11}	TDFOPAS ^{8,11}	PFOA ^{9,10}
0903121425 BH A1	12/03/09	-	87285	nd	0.047	0.70	nd	nd	1.7	nd	nd	0.094
0903121445 BH A5	12/03/09	-	87286	nd/nd ¹²	nd/nd ¹²	0.093/0.12 ¹²	nd/nd ¹²	nd/nd ¹²	nd/nd ¹²	nd/nd ¹²	nd/nd ¹²	nd/nd ¹²
0903121455 BH A2	12/03/09	-	87287	nd	nd	0.23	nd	nd	0.21	nd	nd	nd
0903121505 BH A3	12/03/09	-	87288	nd	nd	nd	nd	nd	nd	nd	nd	nd
0903121515 BH A4	12/03/09	-	87289	nd	nd	nd	nd	nd	nd	nd	nd	nd

Table 1: Measured Concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Water Samples using LC-MS¹ Calibration with authentic PFOS² PFBS: perfluorobutylsulphonate, calibration with authentic PFBS³ PFPS: assigned as perfluoropentylsulphonate⁴ PFHS: perfluorohexylsulphonate, calibration with authentic PFHS⁵ TDFOS: tridecylfluorooctylsulphonate⁶ PFHpS: assigned as perfluoroheptylsulphonate⁷ PFOS: perfluorooctylsulphonate⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS: assigned as tridecylfluorooctane sulphone. Estimated by comparison with TDFOS, since no reference sample available⁹ PFOA: perfluorooctanoic acid¹⁰ Calibration with authentic PFOA¹¹ Calibration with authentic TDFOS¹² Duplicate analysis

nd: not detected; normal limit of detection 0.01 ppb (µg/l) for PFOS, 0.03 ppb (µg/l) for PFOA

Report

Freedom Of Information 711806101

M-Scan

M-Scan Ltd

Report No.: 1003/21415
Date: 12th February 2010
Your Order No: 47407-OP
Our Job No.: 21415



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Attention:

cc:

LC-ESMS Analysis of Fluorinated Anionic Detergents in Jersey Water Samples

1. Samples

Six water samples were received by M-Scan from [redacted] at Jersey Airport on 22nd January 2010. The full sample details and chain of custody are given in *Appendix 1*.

2. Analysis

The water samples were prepared using the established freeze-drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC-ESMS), calibrating with authentic perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The estimated concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of approximate ESMS relative response factors.

The analyses of the extracts were interspersed with system blanks.

3. Results

The measured concentrations of PFHS, PFOS and other fluorinated species (where detected with reasonable confidence) are summarised in *Table 1*.

Prepared on behalf of M-Scan Limited

by [redacted]

Date

12/03/10

Reviewed

by [redacted]

Date

12/3/10

Sample ID and Location	Sampling Date	CES Reference	M-Scan Reference	Reported Concentration (µg/l; ppb)								
				PFBS ²	PFPS ^{1,3}	PFHS ⁴	TDFOS ^{5,11}	PFHpS ^{1,6}	PFOS ^{1,7}	TDFOXAS ^{8,11}	TDFOPAS ^{8,11}	PFOA ^{9,10}
1001141415 Borehole A4	14/01/10	-	90784	nd	nd	nd	nd	nd	nd	nd	nd	nd
1001141425 Borehole A1	14/01/10	-	90785	nd/nd ¹²	0.031/0.034 ¹²	0.52/0.53 ¹²	nd/nd ¹²	0.035/0.040 ¹²	1.2/1.2 ¹²	nd/nd ¹²	nd/nd ¹²	0.073/0.073 ¹²
1001141435 Borehole A2	14/01/10	-	90786	nd	0.012	0.20	nd	nd	0.24	nd	nd	nd
1001141445 Borehole A5	14/01/10	-	90787	nd	nd	0.13	nd	nd	0.078	nd	nd	nd
1001141505 Borehole A3	14/01/10	-	90788	nd	nd	nd	nd	nd	nd	nd	nd	nd

Table 1: Measured Concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Water Samples using LC-MS

¹ Calibration with authentic PFOS

² PFBS: perfluorobutylsulphonate, calibration with authentic PFBS

³ PFPS: assigned as perfluoropentylsulphonate

⁴ PFHS: perfluorohexylsulphonate, calibration with authentic PFHS

⁵ TDFOS: tridecylfluorooctylsulphonate

⁶ PFHpS: assigned as perfluoroheptylsulphonate

⁷ PFOS: perfluorooctylsulphonate

⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS: assigned as tridecylfluorooctane sulphone. Estimated by comparison with TDFOS, since no reference sample available

⁹ PFOA: perfluorooctanoic acid

¹⁰ Calibration with authentic PFOA

¹¹ Calibration with authentic TDFOS

¹² Duplicate analysis

nd: not detected; normal limit of detection 0.01 ppb (µg/l) for PFOS, 0.03 ppb (µg/l) for PFOA

SGS**M-Scan****Report**

Report No: 1305/24029
 Date: 21st June 2013
 Your Order No: 57088-OP
 Our Job No: 24029

Jersey Airport Engineering Services
 Jersey Airport
 St Peter
 Jersey
 JE1 1BY

Attention:**LC/ES-MS Analysis of fluorinated anionic detergents in Jersey water samples****1. Samples**

Thirty Six water samples were received by SGS M-Scan Ltd from [REDACTED] at Jersey Airport on 03rd May 2013. The full sample details and chain of custody are given in *Appendix 1*.

2. Analysis

The water samples were prepared using the established freeze drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC/ES-MS), calibrating with authentic perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The estimated concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of measured ES-MS relative response factors.

SGS M-Scan Ltd 1305/24029

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3. Results

The measured concentrations of PFHS, PFOS and other fluorinated species are summarised in table 1.

Prepared on behalf of SGS M-Scan Limited

by

Date 21ST JUNE 2013

Reviewed

by

Date 21 June 13

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Unless otherwise agreed in writing, remaining samples will not be retained by SGS M-Scan for more than six (6) months as of the date of this document

Sample ID and Location	Sampling Date	CES Reference	SGS M-Scan Reference	Reported concentration (µg/L; ppb)								
				PFBS	PFPS	PFHS	TDFOS	PFHpS	PFOS	TDFOXAS	TDFOPAS	PFOA
1304230950 Jersey water co borehole A3	23-04-13		107979	0.02	nd	nd	nd	nd	nd	nd	nd	nd
1304231000 Jersey water co borehole A4	23-04-13		107980	nd	nd	nd	nd	nd	nd	nd	nd	nd
1304231015 Jersey water co borehole A5	23-04-13		107981	0.02	nd	0.08	nd	nd	0.02	nd	nd	nd
1304231025 Jersey water co borehole A1	23-04--13		107982	0.04	0.03	0.37	nd	0.01	0.52	nd	nd	nd
1304231035 Jersey water co borehole A2	23-04-13		107983	0.03	nd	0.11	nd	nd	0.11	nd	nd	nd

Table 1a: Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in water samples 107974 – 107986 using LC/ES-MS.

- 1 Calibration with authentic PFOS.
- 2 PFBS: perfluoropentylsulphonate, calibration with authentic PFBS.
- 3 PFPS: assigned as perfluoropentylsulphonate.
- 4 PFHS: perfluorohexylsulphonate, calibration with authentic PFHS.
- 5 TDFOS: tridecylfluorooctylsulphonate.
- 6 PFHpS: assigned as perfluoroheptylsulphonate.
- 7 PFOS: perfluorooctylsulphonate.
- 8 TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Estimated by comparison with TDFOS, since no reference sample available.
- 9 PFOA: perfluorooctanoic acid
- 10 Calibration with authentic PFOA.
- 11 Calibration with authentic TDFOS.
- 12 Duplicate analysis

Nd: not detected; normal limit of detection 0.01 ppb ($\mu\text{g/L}$) for PFOS, 0.03 ppb ($\mu\text{g/L}$) for PFOA.

Report

Report No.: 0907/20973
 Date: 27th July 2009
 Your Order No.: 45530-OP
 Our Job No.: 20973

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Jersey Airport Engineering Services
 Jersey Airport
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Attention: [redacted]

cc: [redacted]

LC-ESMS Analysis of Fluorinated Anionic Detergents in Jersey Water Sample

1. Samples

Eighteen water samples were received by M-Scan from [redacted] at Jersey Airport on 26th June 2009. The full sample details and chain of custody are given in *Appendix 1*.

2. Analysis

The water samples were prepared using the established freeze-drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC-ESMS), calibrating with authentic perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The estimated concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of approximate ESMS relative response factors.

The analyses of the extracts were interspersed with system blanks.

3. Results

The measured concentrations of PFHS, PFOS and other fluorinated species (where detected with reasonable confidence) are summarised in *Table 1*.

Prepared on behalf of M-Scan Limited

by [redacted]

Date 27/07/09

Reviewed

by [redacted]

Date 27/7/09

M-Scan

Sample ID and Location	Sampling Date	CES Reference	M-Scan Reference	Reported Concentration (µg/l; ppb)								
				PFBS ²	PFPS ^{1,3}	PFHS ⁴	TDFOS ^{5,11} ₁	PFHpS ^{4,6}	PFOS ^{1,7}	TDFOXAS ^{8,11}	TDFOPAS ^{8,11}	PFOA ^{9,10}
0906231445 Jersey Water Borehole A5	23/06/09	-	88284	nd	nd	0.090	nd	nd	nd	nd	nd	nd
0906231440 Jersey Water Borehole A2	23/06/09	-	88285	nd	nd	0.17	nd	nd	0.18	nd	nd	nd
0906231445 Mont a la Brune Housing Estate Tank	23/06/09	-	88286	nd	nd	nd	nd	nd	nd	nd	nd	nd
0906231450 Jersey Water Borehole A3	23/06/09	-	88287	nd	nd	nd	nd	nd	nd	nd	nd	nd
0906231500 Jersey Water Borehole A4	23/06/09	-	88288	nd	nd	nd	nd	nd	nd	nd	nd	nd
0906231510 Jersey Water Borehole A1	23/06/09	-	88289	nd	nd	1.5	nd	nd	0.47	nd	nd	0.078

Table 1: Measured Concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Water Samples using LC-MS¹ Calibration with authentic PFOS² PFBS: perfluorobutylsulphonate, calibration with authentic PFBS³ PFPS: assigned as perfluoropentylsulphonate⁴ PFHS: perfluorohexylsulphonate, calibration with authentic PFHS

M-Scan

⁵ TDFOS: tridecylfluorooctylsulphonate

⁶ PFHpS: assigned as perfluoroheptylsulphonate

⁷ PFOS: perfluorooctylsulphonate

⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS: assigned as tridecylfluorooctane sulphone. Estimated by comparison with TDFOS, since no reference sample available

⁹ PFOA: perfluorooctanoic acid

¹⁰ Calibration with authentic PFOA

¹¹ Calibration with authentic TDFOS

¹² Duplicate analysis

nd: not detected; normal limit of detection 0.01 ppb ($\mu\text{g/l}$) for PFOS, 0.03 ppb ($\mu\text{g/l}$) for PFOA



Report

Report No: 1204/23163
Date: 20th April 2012
Your Order No: 53644-OP
Our Job No: 23163

Jersey Airport Engineering Services
Jersey Airport
St Peter
Jersey JE1 1BY

Attention:

cc:

LC/ES-MS Analysis of Fluorinated Anionic Detergents in Jersey Water Samples

1. Samples

Thirty-six water samples were received by SGS M-Scan Ltd from [redacted] at Jersey Airport on 21st March 2012. The full sample details and chain of custody are given in *Appendix 1*.

2. Analysis

The water samples were prepared using the established freeze-drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC/ES-MS), calibrating with authentic perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The estimated concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of measured ES-MS relative response factors.

M-SCAN IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

3. Results

The measured concentrations of PFHS, PFOS and other fluorinated species (where detected with reasonable confidence) are summarised in *Table 1*.

Prepared on behalf of SGS M-Scan Limited

by

[Redacted Signature]

Date

28/04/12

Reviewed

by

[Redacted Signature]

Date

20/04/12

Sample ID and Location	Sampling Date	CES Reference	SGS M-Scan Reference	Reported Concentration (µg/l; ppb)								
				PFBS ²	PFPS ^{1,3}	PFHS ⁴	TDFOS ^{5,11}	PFHpS ^{1,6}	PFOS ^{1,7}	TDFOXAS ^{8,11}	TDFOPAS ^{8,11}	PFOA ^{9,10}

Table 1b: Measured Concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Water Samples 100243-100256 using LC/ES-MS

¹ Calibration with authentic PFOS

² PFBS: perfluorobutylsulphonate, calibration with authentic PFBS

³ PFPS: assigned as perfluoropentylsulphonate

⁴ PFHS: perfluorohexylsulphonate, calibration with authentic PFHS

⁵ TDFOS: tridecylfluorooctylsulphonate

⁶ PFHpS: assigned as perfluoroheptylsulphonate

⁷ PFOS: perfluorooctylsulphonate

⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS: assigned as tridecylfluorooctane sulphone. Estimated by comparison with TDFOS, since no reference sample available

⁹ PFOA: perfluorooctanoic acid

¹⁰ Calibration with authentic PFOA

¹¹ Calibration with authentic TDFOS

¹² Duplicate analysis

nd: not detected; normal limit of detection 0.01 ppb (µg/l) for PFOS, 0.03 ppb (µg/l) for PFOA



TITLE: LC/ES-MS Analysis of Fluorinated Anionic Detergents in Jersey Water Samples

STUDY SPONSOR: Jersey Airport Engineering Services
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REPORT No: 073-000-001

TEST FACILITY: SGS M-Scan Ltd
2-3 Millars Business Centre
Fishponds Close
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ATTENTION: [REDACTED]

Report prepared by: [REDACTED]

Date: 23 JUL 15

Report reviewed by: [REDACTED]

Date: 23 JUL 15

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Unless otherwise agreed in writing, remaining samples will not be retained by SGS M-Scan for more than ninety (90) days as of the date of this document.

1. **Samples**

Thirty-seven water samples were received by SGS from [REDACTED] at Jersey Airport on 12th June 2015. Seven water samples were received on 13th June. The chain of custody is given in *Appendix 1*.

2. **Analysis**

The water samples were prepared using the established freeze drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC/ES-MS), calibrating with perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The measured concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of measured ES-MS relative response factors.

3. **Results**

The measured concentrations of PFHS, PFOS and other fluorinated species are summarised in Table 1.

Sample ID and Location	Sampling Date	SGS M-Scan Reference	Reported concentration (µg/L; ppb)								
			PFBS	PFPS	PFHS	TDFOS	PFHpS	PFOS	TDFOXAS	TDFOPAS	PFOA
1506011455 BOREHOLE A5	01/06/2015	W121468	Nd	Nd	0.080	Nd	Nd	Nd	Nd	Nd	0.046
1506011530 BOREHOLE A4	01/06/2015	W121476	Nd	Nd	0.10	Nd	Nd	0.21	Nd	Nd	0.057

Table 1b: Measured Concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Water Samples W121462 – W121476 using LC/ES-MS.

Sample ID and Location	Sampling Date	SGS M-Scan Reference	Reported concentration (µg/L; ppb)								
			PFBS	PFPS	PFHS	TDFOF	PFHpS	PFOS	TDFOXAS	TDFOFAS	PFOA
1506011505 BOREHOLE A3	01/06/2015	W121482	Nd	Nd	0.013	Nd	Nd	Nd	Nd	Nd	Nd
1506011430 BOREHOLE A1	01/06/2015	W121487	0.031	0.033	0.42	Nd	Nd	0.85	Nd	Nd	0.059

Table 1c: Measured Concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Water Samples W121477 – W121483, W121487 – W121493 using LC/ES-MS.

- ¹ Calibration with PFOS.
- ² PFBS: perfluoropentylsulphonate, calibration with PFBS.
- ³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.
- ⁵ TDFOS: tridecylfluorooctylsulphonate.
- ⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁷ PFOS: perfluorooctylsulphonate.
- ⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.
- ⁹ PFOA: perfluorooctanoic acid
- ¹⁰ Calibration with PFOA.
- ¹¹ Calibration with TDFOS.
- ¹² Duplicate analysis

Nd: not detected; limit of detection 0.01 ppb (µg/L) for PFOS, 0.03 ppb (µg/L) for PFOA.



TITLE: LC/ES-MS Analysis of Fluorinated Anionic Detergents in Seven Jersey Water Sample

STUDY SPONSOR: Jersey Airport Engineering Services
Jersey Airport
St Peter
Jersey
JE1 1BY

REPORT No: 073-000-008

TEST FACILITY: SGS M-Scan Ltd
2-3 Millars Business Centre
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RG41 2TZ, UK

ATTENTION:

Report prepared by:

Date: 27 MAY 2016

Report reviewed by:

Date: 27 May 16

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Unless otherwise agreed in writing, remaining samples will not be retained by SGS M-Scan for more than ninety (90) days as of the date of this document.

1. **Samples**

Seven water samples were received by SGS from [REDACTED] at Jersey Airport on 19th April 2016. The chain of custody is given in *Appendix 1*.

2. **Analysis**

The water samples were prepared using the established freeze drying protocol and analysed using a method incorporating HPLC-electrospray mass spectrometry (LC/ES-MS), calibrating with perfluorooctylsulphonate (PFOS), perfluorobutylsulphonate (PFBS), perfluorohexylsulphonate (PFHS), tridecylfluorooctylsulphonate (TDFOS) and perfluorooctanoic acid (PFOA).

The measured concentrations of PFOS, PFBS, PFPS, PFHS, PFHpS, TDFOS, TDFOXAS, TDFOPAS and PFOA where detected, have been converted further to actual concentrations on the basis of measured ES-MS relative response factors.

3. **Results**

The measured concentrations of PFHS, PFOS and other fluorinated species are summarised in Table 1.

Table 1: Measured concentrations (µg/l; ppb) of fluorinated compounds in water samples W124148-W124154 using reversed phase LC/ES-MS.

Sample ID and Location	Sampling Date	SGS Reference	Reported concentration (µg/L; ppb)								
			PFBS ²	PFPS ^{3,4}	PFHS ⁴	TDFOS ⁵	PFHpS ^{6,7}	PFOS ⁷	TDOXAS ^{8,9}	TDFOPAS ^{10,9}	PFOA ⁹
201604121415 St. Owens Borehole A1	12-04-2016	W124148	Nd	0.022	0.41	Nd	0.013	0.59	Nd	Nd	0.059
201604121445 St. Owens Borehole A5	12-04-2016	W124149	Nd	Nd	0.069	Nd	Nd	Nd	Nd	Nd	Nd
201604121500 St. Owens Borehole A3	12-04-2016	W124150	Nd	Nd	Nd	Nd	Nd	Nd	Nd	Nd	Nd
201604121430 St. Owens Borehole A2	12-04-2016	W124151	Nd	Nd	0.14	Nd	Nd	0.23	Nd	Nd	Nd

¹ Calibration with PFOS.

² PFBS: perfluorobutanesulphonate, calibration with PFBS.

³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.

⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.

⁵ TDFOS: tridecylfluorooctylsulphonate.

⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.

⁷ PFOS: perfluorooctylsulphonate.

⁸ TDOXAS: assigned as tridecylfluorooctane sulphoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.

⁹ PFOA: perfluorooctanoic acid.

¹⁰ Calibration with PFOA.

¹¹ Calibration with TDFOS.

¹² Duplicate sample

Nd: not detected; limit of detection 0.01 ppb (µg/L) for PFOS, 0.03 ppb (µg/L) for PFOA.



TITLE: Compilation of Historic Data for the LC/ES-MS Analysis of Fluorinated Anionic Detergents from Jersey

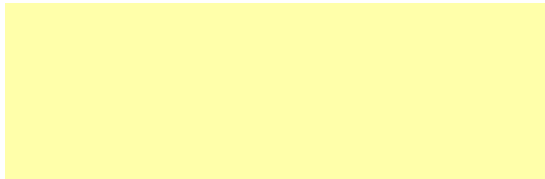
STUDY SPONSOR: Jersey Airport Engineering Services
Jersey Airport
St Peter
Jersey
JE1 1BY

REPORT No: 073-000-002

TEST FACILITY: SGS M-Scan Ltd
2-3 Millars Business Centre
Fishponds Close
Wokingham
RG41 2TZ, UK

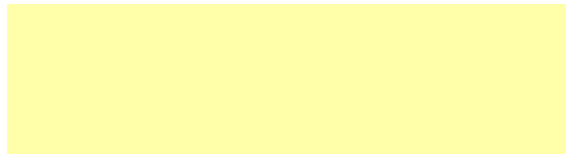
ATTENTION: André Rabet

Report prepared by:



Date: 07 SEP 16

Report reviewed by:



Date: 09 SEP 16

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Scope

The following report is a collection of historical data which was prepared by Lindsay Maclean in June 2015. The data was peer reviewed at the time it was produced and forwarded to André Rabet. This aim of this report is to collect the existing tables of data into one final report. All data tables are included in *Appendix 1*.

Appendix 1: Historic data for fluorinated anionic detergents collated from Jersey water sites.

Borehole A1 (CES ?)

SGS 073-000-002

Sampling Point	Sampling Date	SGS Report Number	PFBS	PFPS	PFHS	PFHpS	PFOS	TDFOS	TDFOXAS	TDFOPAS	PFOA
Borehole	10/10/06	0610/18666	0.03	0.15	0.61	0.04	0.98	0.07	nd	nd	0.09
Borehole	22/05/08	0807/20073	nd	0.14	0.67	nd	1.1	nd	nd	nd	nd
Borehole	01/10/08	0811/20298	nd	0.054	0.69	0.028	1.5	nd	nd	nd	0.088
Borehole	12/03/09	0903/20637	nd	0.047	0.70	nd	1.7	nd	nd	nd	0.094
Borehole	23/06/09	0907/20973	nd	nd	1.5	nd	0.47	nd	nd	nd	0.078
Borehole	14/01/10	1003/21415	nd	0.033	0.53	0.038	1.2	nd	nd	nd	0.073
Borehole	20/10/11	1111/22868	0.036	0.043	0.53	0.035	0.88	nd	nd	nd	0.086
Borehole	30/11/11	1112/22924	0.038	0.046	0.51	0.016	0.96	0.16	nd	nd	0.067
Borehole	10/01/12	1204/23163	0.035	0.053	0.58	0.019	0.99	nd	nd	nd	nd
Borehole	23/04/13	1305/24029	0.040	0.030	0.37	0.010	0.52	nd	nd	nd	nd
Borehole	28/08/14	1409/24940	0.036	0.019	0.41	0.014	0.86	nd	nd	nd	0.061

Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Jersey water samples for Borehole A1 (CES ?) ($\mu\text{g/l}$; ppb)

- ¹ Calibration with PFOS.
- ² PFBS: perfluoropentylsulphonate, calibration with PFBS.
- ³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.
- ⁵ TDFOS: tridecylfluorooctylsulphonate.
- ⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁷ PFOS: perfluorooctylsulphonate.
- ⁸ TDFOXAS: assigned as tridecylfluorooctane sulphoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.
- ⁹ PFOA: perfluorooctanoic acid
- ¹⁰ Calibration with PFOA.
- ¹¹ Calibration with TDFOS.

nd: not detected; limit of detection 0.01 ppb ($\mu\text{g/L}$) for PFOS, 0.03 ppb ($\mu\text{g/L}$) for PFOA.

Borehole A2 (CES ?)

Sampling Point	Sampling Date	SGS Report Number	PFBS	PFPS	PFHS	PFHpS	PFOS	TDFOS	TDFOXAS	TDFOPAS	PFOA
Borehole	10/10/06	0610/18666	0.02	0.05	0.17	0.02	0.30	nd	nd	nd	0.04
Borehole	22/05/08	0807/20073	nd	nd	0.20	nd	0.26	nd	nd	nd	nd
Borehole	01/10/08	0811/20298	nd	nd	0.20	nd	0.24	nd	nd	nd	nd
Borehole	12/03/09	0903/20637	nd	nd	0.23	nd	0.21	nd	nd	nd	nd
Borehole	23/06/09	0907/20973	nd	nd	0.17	nd	0.18	nd	nd	nd	nd
Borehole	14/01/10	1003/21415	nd	0.012	0.20	nd	0.24	nd	nd	nd	nd
Borehole	20/10/11	1111/22868	0.021	0.019	0.19	nd	0.24	nd	nd	nd	0.66
Borehole	30/11/11	1112/22924	0.017	0.014	0.18	nd	0.24	0.10	nd	nd	nd
Borehole	10/01/12	1204/23163	nd	0.020	0.21	nd	0.25	nd	nd	nd	0.073
Borehole	23/04/13	1305/24029	0.030	nd	0.11	nd	0.11	nd	nd	nd	nd
Borehole	28/08/14	1409/24940	nd	nd	0.11	nd	0.21	nd	nd	nd	0.042

Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Jersey water samples for Borehole A2 (CES ?) ($\mu\text{g/l}$; ppb)

- ¹ Calibration with PFOS.
- ² PFBS: perfluoropentylsulphonate, calibration with PFBS.
- ³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.
- ⁵ TDFOS: tridecylfluorooctylsulphonate.
- ⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁷ PFOS: perfluorooctylsulphonate.
- ⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.
- ⁹ PFOA: perfluorooctanoic acid
- ¹⁰ Calibration with PFOA.
- ¹¹ Calibration with TDFOS.

nd: not detected; limit of detection 0.01 ppb ($\mu\text{g/L}$) for PFOS, 0.03 ppb ($\mu\text{g/L}$) for PFOA.

Borehole A3 (CES ?)

SGS 073-000-002

Sampling Point	Sampling Date	SGS Report Number	PFBS	PFPS	PFHS	PFHpS	PFOS	TDFOS	TDFOXAS	TDFOPAS	PFOA
Borehole	10/10/06	0610/18666	nd	nd	0.01	nd	0.13	nd	nd	nd	nd
Borehole	22/05/08	0807/20073	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	01/10/08	0811/20298	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	12/03/09	0903/20637	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	23/06/09	0907/20973	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	14/01/10	1003/21415	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	20/10/11	1111/22868	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	30/11/11	1112/22924	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	10/01/12	1204/23163	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	23/04/13	1305/24029	0.02	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	28/08/14	1409/24940	nd	nd	nd	nd	nd	nd	nd	nd	nd

Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Jersey water samples for Borehole A3 (CES ?) (µg/l; ppb)

- ¹ Calibration with PFOS.
- ² PFBS: perfluoropentylsulphonate, calibration with PFBS.
- ³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.
- ⁵ TDFOS: tridecylfluorooctylsulphonate.
- ⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁷ PFOS: perfluorooctylsulphonate.
- ⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.
- ⁹ PFOA: perfluorooctanoic acid
- ¹⁰ Calibration with PFOA.
- ¹¹ Calibration with TDFOS.

nd: not detected; limit of detection 0.01 ppb (µg/L) for PFOS, 0.03 ppb (µg/L) for PFOA.

Borehole A4 (CES ?)

Sampling Point	Sampling Date	SGS Report Number	PFBS	PFPS	PFHS	PFHpS	PFOS	TDFOS	TDFOXAS	TDFOPAS	PFOA
Borehole	10/10/06	0610/18666	0.02	0.02	0.02	nd	0.12	0.08	nd	nd	nd
Borehole	22/05/08	0807/20073	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	01/10/08	0811/20298	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	12/03/09	0903/20637	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	23/06/09	0907/20973	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	14/01/10	1003/21415	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	20/10/11	1111/22868	nd	nd	0.010	nd	nd	nd	nd	nd	nd
Borehole	30/11/11	1112/22924	nd	nd	nd	nd	nd	0.070	nd	nd	nd
Borehole	10/01/12	1204/23163	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	23/04/13	1305/24029	nd	nd	nd	nd	nd	nd	nd	nd	nd
Borehole	28/08/14	1409/24940	nd	nd	nd	nd	nd	nd	nd	nd	nd

Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Jersey water samples for Borehole A4 (CES ?) (µg/l; ppb)

¹ Calibration with PFOS.

² PFBS: perfluoropentylsulphonate, calibration with PFBS.

³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.

⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.

⁵ TDFOS: tridecylfluorooctylsulphonate.

⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.

⁷ PFOS: perfluorooctylsulphonate.

⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.

⁹ PFOA: perfluorooctanoic acid

¹⁰ Calibration with PFOA.

¹¹ Calibration with TDFOS.

nd: not detected; limit of detection 0.01 ppb (µg/L) for PFOS, 0.03 ppb (µg/L) for PFOA.

Borehole A5 (CES ?)

Sampling Point	Sampling Date	SGS Report Number	PFBS	PFPS	PFHS	PFHpS	PFOS	TDFOS	TDFOXAS	TDFOPAS	PFOA
Borehole	10/10/06	0610/18666	0.03	0.05	0.12	nd	0.14	nd	nd	nd	0.03
Borehole	22/05/08	0807/20073	nd	nd	0.25	nd	nd	nd	nd	nd	nd
Borehole	01/10/08	0811/20298	nd	nd	0.20	nd	0.11	nd	nd	nd	nd
Borehole	12/03/09	0903/20637	nd	nd	0.10	nd	nd	nd	nd	nd	nd
Borehole	23/06/09	0907/20973	nd	nd	0.090	nd	nd	nd	nd	nd	nd
Borehole	14/01/10	1003/21415	nd	nd	0.13	nd	0.078	nd	nd	nd	nd
Borehole	20/10/11	1111/22868	nd	0.014	0.14	nd	0.045	nd	nd	nd	0.046
Borehole	30/11/11	1112/22924	nd	0.012	0.14	nd	0.080	0.053	nd	nd	nd
Borehole	10/01/12	1204/23163	nd	0.013	0.14	nd	0.070	nd	nd	nd	nd
Borehole	23/04/13	1305/24029	0.020	nd	0.080	nd	0.020	nd	nd	nd	nd
Borehole	28/08/14	1409/24940	0.030	nd	0.060	nd	0.034	nd	nd	nd	nd

Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Jersey water samples for Borehole A5 (CES ?) ($\mu\text{g/l}$; ppb)

- ¹ Calibration with PFOS.
- ² PFBS: perfluoropentylsulphonate, calibration with PFBS.
- ³ PFPS: assigned as perfluoropentylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁴ PFHS: perfluorohexylsulphonate, calibration with PFHS.
- ⁵ TDFOS: tridecylfluorooctylsulphonate.
- ⁶ PFHpS: assigned as perfluoroheptylsulphonate. Measured by comparison with TDFOS, since no reference sample available.
- ⁷ PFOS: perfluorooctylsulphonate.
- ⁸ TDFOXAS: assigned as tridecylfluorooctane sulfoxide and TDFOPAS assigned as tridecylfluorooctane sulphone. Measured by comparison with TDFOS, since no reference sample available.
- ⁹ PFOA: perfluorooctanoic acid
- ¹⁰ Calibration with PFOA.
- ¹¹ Calibration with TDFOS.

nd: not detected; limit of detection 0.01 ppb ($\mu\text{g/L}$) for PFOS, 0.03 ppb ($\mu\text{g/L}$) for PFOA.

Measuring Station	Measuring Station long n	Measuring Station nui	Measuring Time stamp (Sampling)	Sampling d	Parameter type	Parameter Measuring Sign	Value	Unit	Quality	Status	Fraction	Laboratory Standard n	Comment (Original	Value remu Compariso	Lower quai	Upper quai	Detection I Rpd	Dilution fax	Lab Code	Lab Comm	Time zone	Hold time (days)
MP_Jersey	Blanche Banque A1	JNWW_A1	MP_Jersey	692 MP_Jersey	07/11/2019 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.048	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A1	JNWW_A1	MP_Jersey	692 MP_Jersey	21/07/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.044	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A1	JNWW_A1	MP_Jersey	692 MP_Jersey	13/10/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.037	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A1	JNWW_A1	MP_Jersey	692 MP_Jersey	20/05/2021 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.036	µg/l			1 ALS Environmental Ltd		0								
MP_Jersey	Blanche Banque A1	JNWW_A1	MP_Jersey	692 MP_Jersey	23/11/2021 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.0333	µg/l			1 ALS Environmental Ltd		0								
MP_Jersey	Blanche Banque A2	JNWW_A2	MP_Jersey	693 MP_Jersey	07/11/2019 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.016	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A2	JNWW_A2	MP_Jersey	693 MP_Jersey	21/07/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.013	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A2	JNWW_A2	MP_Jersey	693 MP_Jersey	13/10/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai<	0.0007	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A2	JNWW_A2	MP_Jersey	693 MP_Jersey	20/05/2021 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.012	µg/l			1 ALS Environmental Ltd		0								
MP_Jersey	Blanche Banque A2	JNWW_A2	MP_Jersey	693 MP_Jersey	23/11/2021 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.0104	µg/l			1 ALS Environmental Ltd		0								
MP_Jersey	Blanche Banque A3	JNWW_A3	MP_Jersey	694 MP_Jersey	07/11/2019 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai<	0.00065	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A4	JNWW_A4	MP_Jersey	695 MP_Jersey	21/07/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.002	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A4	JNWW_A4	MP_Jersey	695 MP_Jersey	13/10/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai<	0.0007	µg/l	Excellent					0							
MP_Jersey	Blanche Banque A4	JNWW_A4	MP_Jersey	695 MP_Jersey	20/05/2021 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai<	0.00065	µg/l			1 ALS Environmental Ltd		0								
MP_Jersey	Blanche Banque A4	JNWW_A4	MP_Jersey	695 MP_Jersey	23/11/2021 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai<	0.00065	µg/l			1 ALS Environmental Ltd		0								
MP_Jersey	Blanche Banque A5	JNWW_A5	MP_Jersey	696 MP_Jersey	07/11/2019 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.009	µg/l					0								
MP_Jersey	Blanche Banque A5	JNWW_A5	MP_Jersey	696 MP_Jersey	21/07/2020 00:00	1108 / PFOA (335-67-1) Perfluoro-n-octanoic acid	SubcontraiSubcontrai---	0.011	µg/l	Excellent					0							

PFBA (357-22-4) Perfluoro-n-butanoic acid / 1102
76 / PFBS
PFBS (375-73-5) Perfluoro-1-butanesulfonate / 1105
PFDA (335-76-2) Perfluoro-n-decanoic acid / 1112
PFDS (335-73-3) Perfluoro-1-decanesulfonate / 1118
PFDoA (307-55-1) Perfluoro-n-dodecanoic acid / 1116
78 / PFHS
PFHpA (375-85-9) Perfluoro-n-heptanoic acid / 1106
77 / PFHpS
PFHpS (375-92-8) Perfluoro-1-heptanesulfonate / 1111
PFHxA (307-24-4) Perfluoro-n-hexanoic acid / 1104
PFHxS (355-46-4) Perfluoro-1-hexanesulfonate / 1109
PFNA (375-95-1) Perfluoro-n-nonanoic acid / 1110
PFOA / 284
PFOA (335-67-1) Perfluoro-n-octanoic acid / 1108
PFOS / 79
PFOSA (754-91-6) Perfluoro-octanesulfonamide / 1117
PFPA (2706-90-3) Perfluoro-n-pentanoic acid / 1103
206 / PFPS
PFPeS (2706-91-4) Perfluoro-1-pentanesulfonate / 1119
PFUnA (2058-94-8) Perfluoro-n-undecanoic acid / 1115
283 / TDFOPAS
84 / TDFOS
282 / TDFOXAS
207 / AFFF conc ESMS
208 / AFFF conc FABMS
6:2PTS (27619-97-2) Perfluoro-octane sulfonate 6:2 / 1107
Branched PFOS / 1114
Linear PFOS (1763-23-1) Perfluoro-1-octanesulfonate / 1113
Total PFOS (sum of linear and branched) / 1120
Total PFAS / 1121

ALS suite

Historic

Measuring Station	Measuring Station Ion	Measuring Station	Measuring Time stamp (Sampling)	Sampling C	Parameter	Measuring Sign	Value	Unit	Quality	Status	Fraction	Laboratory Standard r	Comment - Original	Value rem. Compariso	Lower qua	Upper qua	Detection Rpdt	Dilution Fa	Lab Code	Lab Comm Time	zone	Hold time	(days)
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	09/06/1999 00:00	78 / PFHS	Unknown	Unknown ---	1.43	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	28/07/1999 00:00	78 / PFHS	Unknown	Unknown ---	2.56	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	07/12/1999 00:00	78 / PFHS	Unknown	Unknown ---	0.9	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/06/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	05/09/2001 00:00	78 / PFHS	Unknown	Unknown ---	0.99	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	16/10/2001 00:00	78 / PFHS	Unknown	Unknown ---	0.65	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	16/01/2002 00:00	78 / PFHS	Unknown	Unknown ---	0.41	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/05/2002 00:00	78 / PFHS	Unknown	Unknown ---	0.16	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	19/02/2003 00:00	78 / PFHS	Unknown	Unknown ---	0.36	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	29/04/2003 00:00	78 / PFHS	Unknown	Unknown ---	1.1	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	23/09/2003 00:00	78 / PFHS	Unknown	Unknown ---	0.34	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/06/2005 00:00	78 / PFHS	Unknown	Unknown ---	1	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	12/03/2009 00:00	78 / PFHS	Unknown	Unknown ---	0.7	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	23/06/2009 00:00	78 / PFHS	Unknown	Unknown ---	1.5	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A1	JNWW_A1	693 MP_Jersey	10/01/2012 00:00	78 / PFHS	Unknown	Unknown ---	0.58	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	11/06/1999 00:00	78 / PFHS	Unknown	Unknown ---	0.29	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	28/07/1999 00:00	78 / PFHS	Unknown	Unknown ---	0.24	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	07/12/1999 00:00	78 / PFHS	Unknown	Unknown ---	0.2	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	22/06/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	05/09/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	16/10/2001 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	16/01/2002 00:00	78 / PFHS	Unknown	Unknown <	0.2	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	22/05/2002 00:00	78 / PFHS	Unknown	Unknown ---	0.16	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	19/02/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	29/04/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	23/09/2003 00:00	78 / PFHS	Unknown	Unknown ---	0.22	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	22/06/2005 00:00	78 / PFHS	Unknown	Unknown ---	0.33	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	12/03/2009 00:00	78 / PFHS	Unknown	Unknown ---	0.23	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	23/06/2009 00:00	78 / PFHS	Unknown	Unknown ---	0.17	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	10/01/2012 00:00	78 / PFHS	Unknown	Unknown ---	0.21	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	11/06/1999 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	28/07/1999 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	22/06/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	05/09/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	16/10/2001 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	16/01/2002 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	22/05/2002 00:00	78 / PFHS	Unknown	Unknown <	0.2	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	19/02/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	29/04/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	22/06/2005 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	12/03/2009 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	23/06/2009 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	10/01/2012 00:00	78 / PFHS	Unknown	Unknown <	0.04	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	11/06/1999 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	28/07/1999 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	22/06/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	05/09/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	16/10/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	16/01/2002 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	22/05/2002 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	19/02/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	29/04/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	22/06/2005 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	12/03/2009 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	23/06/2009 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	10/01/2012 00:00	78 / PFHS	Unknown	Unknown <	0.04	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	11/06/1999 00:00	78 / PFHS	Unknown	Unknown ---	0.38	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	28/07/1999 00:00	78 / PFHS	Unknown	Unknown ---	0.25	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	03/08/2000 00:00	78 / PFHS	Unknown	Unknown ---	0.75	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	22/06/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	05/09/2001 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	16/10/2001 00:00	78 / PFHS	Unknown	Unknown <	0.4	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	16/01/2002 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	22/05/2002 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	19/02/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	29/04/2003 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	23/09/2003 00:00	78 / PFHS	Unknown	Unknown ---	0.26	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	22/06/2005 00:00	78 / PFHS	Unknown	Unknown <	0.08	µg/l				Consultant Consultant Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	12/03/2009 00:00	78 / PFHS	Unknown	Unknown ---	0.093	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	23/06/2009 00:00	78 / PFHS	Unknown	Unknown ---	0.09	µg/l				12 M Scan Jersey Airport Dept.										
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	10/01/2012 00:00	78 / PFHS	Unknown	Unknown ---	0.14	µg/l				12 M Scan Jersey Airport Dept.										

Measuring Station	Measuring Station ID	Measuring Station Name	Sampling Time	Parameter	Value	Unit	Quality	Status	Fraction	Laboratory Standard	Comment	Original Value	Rem.Compariso Lower qua	Detection Rpdx	Dilution Fa Lab Code	Lab Comm Time zone	Hold time (days)
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	09/06/1999 00:00	PFO5 / 79 Unknown Unknown ---	0.66 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	28/07/1999 00:00	PFO5 / 79 Unknown Unknown ---	0.85 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	07/12/1999 00:00	PFO5 / 79 Unknown Unknown ---	0.66 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/06/2001 00:00	PFO5 / 79 Unknown Unknown ---	0.83 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	05/09/2001 00:00	PFO5 / 79 Unknown Unknown ---	0.92 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	16/10/2001 00:00	PFO5 / 79 Unknown Unknown ---	0.98 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	16/01/2002 00:00	PFO5 / 79 Unknown Unknown ---	1 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/05/2002 00:00	PFO5 / 79 Unknown Unknown ---	0.61 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	19/02/2003 00:00	PFO5 / 79 Unknown Unknown ---	0.94 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	29/04/2003 00:00	PFO5 / 79 Unknown Unknown ---	0.98 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	23/09/2003 00:00	PFO5 / 79 Unknown Unknown ---	1.1 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/06/2005 00:00	PFO5 / 79 Unknown Unknown ---	1.9 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	12/03/2009 00:00	PFO5 / 79 Unknown Unknown ---	1.2 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	23/06/2009 00:00	PFO5 / 79 Unknown Unknown ---	0.47 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	10/01/2012 00:00	PFO5 / 79 Unknown Unknown ---	0.99 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	11/06/1999 00:00	PFO5 / 79 Unknown Unknown ---	0.65 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	28/07/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	07/12/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	22/06/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	05/09/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	16/10/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	16/01/2002 00:00	PFO5 / 79 Unknown Unknown ---	0.53 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	22/05/2002 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	19/02/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	29/04/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	23/09/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	22/06/2005 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	12/03/2009 00:00	PFO5 / 79 Unknown Unknown ---	0.2 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	23/06/2009 00:00	PFO5 / 79 Unknown Unknown ---	0.18 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	10/01/2012 00:00	PFO5 / 79 Unknown Unknown ---	0.25 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	11/06/1999 00:00	PFO5 / 79 Unknown Unknown ---	0.28 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	28/07/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	22/06/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	05/09/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	16/10/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	16/01/2002 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	22/05/2002 00:00	PFO5 / 79 Unknown Unknown <	0.5 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	19/02/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	29/04/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	23/09/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	22/06/2005 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	12/03/2009 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	23/06/2009 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	10/01/2012 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	11/06/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	28/07/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	22/06/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	05/09/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	16/10/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	16/01/2002 00:00	PFO5 / 79 Unknown Unknown ---	0.5 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	22/05/2002 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	19/02/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	29/04/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	23/09/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	22/06/2005 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	12/03/2009 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	23/06/2009 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	10/01/2012 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	11/06/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	28/07/1999 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	08/08/2000 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	22/06/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	05/09/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	16/10/2001 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	16/01/2002 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	22/05/2002 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	19/02/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	29/04/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	23/09/2003 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	22/06/2005 00:00	PFO5 / 79 Unknown Unknown <	0.2 µg/l				Consultant Consultant Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	12/03/2009 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	23/06/2009 00:00	PFO5 / 79 Unknown Unknown <	0.01 µg/l				12 M Scan Jersey Airport Dept.		0					
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	10/01/2012 00:00	PFO5 / 79 Unknown Unknown ---	0.07 µg/l				12 M Scan Jersey Airport Dept.		0					

Measuring Station	Measuring Station Ion	Measuring Station nui	Measuring Time stamp (Sampling)	Sampling c	Parameter type	Parameter	Measuring Sign	Value	Unit	Quality	Status	Fraction	Laboratory Standard	r	Comment - Original	Value rem: Compariso	Lower qua	Upper qua	Detection I Rpd	Dilution fa	Lab Code	Lab Comm	Time zone	Hold time (days)
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	22/06/2005 00:00	206 / PFPS	Unknown	Unknown	---	0.39	µg/l			Consultant	Consultant	Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	12/03/2009 00:00	206 / PFPS	Unknown	Unknown	---	0.047	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	23/06/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A1	JNWW_A1	692 MP_Jersey	10/01/2012 00:00	206 / PFPS	Unknown	Unknown	---	0.053	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	12/03/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	23/06/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A2	JNWW_A2	693 MP_Jersey	10/01/2012 00:00	206 / PFPS	Unknown	Unknown	---	0.02	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	12/03/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	23/06/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A3	JNWW_A3	694 MP_Jersey	10/01/2012 00:00	206 / PFPS	Unknown	Unknown	<	0.01	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	12/03/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	23/06/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A4	JNWW_A4	695 MP_Jersey	10/01/2012 00:00	206 / PFPS	Unknown	Unknown	<	0.01	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	12/03/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	23/06/2009 00:00	206 / PFPS	Unknown	Unknown	<	0.58	µg/l			12 M Scan		Jersey Airport Dept.	0								
MP_Jersey	Blanche Banque A5	JNWW_A5	696 MP_Jersey	10/01/2012 00:00	206 / PFPS	Unknown	Unknown	---	0.013	µg/l			12 M Scan		Jersey Airport Dept.	0								

Borehole A1

Sampling Point	Sampling date	SGS Report Number	PFOS	PFOA
Borehole	10/10/2006	0610/18666	0.98	0.09
Borehole	22/05/2008	0807/20073	1.1	nd
Borehole	01/10/2008	08/11/20298	1.5	0.088
Borehole	12/03/2009	0903/20637	1.7	0.094
Borehole	23/06/2009	0907/20973	0.47	0.078
Borehole	14/01/2010	1003/21415	1.2	0.073
Borehole	20/10/2011	1111/22868	0.88	0.086
Borehole	30/11/2011	1112/22924	0.96	0.067
1201101415 Borehole	10/01/2012	1204/23164	0.99	nd
1304231025 Borehole	23/04/2013	1305/24029	0.52	nd
Borehole	28/08/2014	1409/24940	0.86	0.061
Borehole	01/06/2015	W121487	0.85	0.059

Borehole A2

Sampling Point	Sampling date	SGS Report Number	PFOS	PFOA
Borehole	10/10/2006	0610/18666	0.30	0.04
Borehole	22/05/2008	0807/20073	0.26	nd
Borehole	01/10/2008	0811/20298	0.24	nd
Borehole	12/03/2009	0903/20637	0.21	nd
Borehole	23/06/2009	0907/20973	0.18	nd
Borehole	14/01/2010	1003/21415	0.24	nd
Borehole	20/10/2011	1111/22868	0.24	0.66
Borehole	30/11/2011	1112/22924	0.24	nd
1201101430 Borehole	10/01/2012	1204/23163	0.25	0.073
1304231035 Borehole	23/04/2013	1305/24029	0.11	nd
Borehole	28/08/2014	1409/24940	0.21	0.042
Borehole	01/06/2015	W121450	0.23	nd

Borehole A3

Sampling Point	Sampling date	SGS Report Number	PFOS	PFOA
Borehole	10/10/2006	0610/18666	0.13	nd
Borehole	22/05/2008	0807/20073	nd	nd
Borehole	01/10/2008	08/11/20298	nd	nd
Borehole	12/03/2009	0903/20637	nd	nd
Borehole	23/06/2009	0907/20973	nd	nd
Borehole	14/01/2010	1003/21415	nd	nd
Borehole	20/10/2011	1111/22868	nd	nd
Borehole	30/11/2011	1112/22924	nd	nd
1201101450 Borehole	10/01/2012	1204/23163	nd	nd
1304230950 Borehole	23/04/2013	1305/24029	nd	nd
Borehole	28/08/2014	1409/24940	nd	nd
Borehole	01/06/2015	W121482	nd	nd

Borehole A4

Sampling Point	Sampling date	SGS Report Number	PFOS	PFOA
Borehole	10/10/2006	0610/18666	0.12	nd
Borehole	22/05/2008	0807/20073	nd	nd
Borehole	01/10/2008	0811/20298	nd	nd
Borehole	12/03/2009	0903/20637	nd	nd
Borehole	23/06/2009	0907/20973	nd	nd
Borehole	14/01/2010	1003/21415	nd	nd
Borehole	20/10/2011	1111/22868	nd	nd
Borehole	30/11/2011	1112/22924	nd	nd
1201101500 Borehole	10/01/2012	1204/23163	nd	nd
1304231000 Borehole	23/04/2013	1305/24029	nd	nd
Borehole	28/08/2014	1409/24940	nd	nd
Borehole	01/06/2015	W121476	0.21	0.057

Measured concentrations of Perfluoroalkylsulphonates and Perfluorooctanoic Acid in Jersey water samples

DWI Wholesomeness threshold is below

PFOS: 1.0
PFOA: 5.0

PFOS: perfluorooctylsulphonate
PFOA: perfluorooctanoic acid

nd: not dectected; limit of detection 0.01 ppb for PFOS, 0.03 ppb for PFOA