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# Analysis Report

Partial Report

**Sample Description:** **Ex. 6 - Personal Privacy**

**Project Name:** **Wolverine World Wide Tannery**

**Tetra Tech, Inc.**
**ELLE Sample #:** **PW 9388823**
**ELLE Group #:** **1891712**
**Matrix: Water**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 09:55
SDG#: WWW01-06MS

| CAT No. | Analysis Name | CAS Number | Result | | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Misc. Organics** | **EPA 537 Version 1.1** | | ng/l | | ng/l | |
| 14070 | NEtFOSAA | 2991-50-6 | 18 | | 2 | 1 |
| | NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid. | | | | | |
| 14070 | NMeFOSAA | 2355-31-9 | 19 | | 2 | 1 |
| | NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid. | | | | | |
| 14070 | Perfluorobutanesulfonate | 375-73-5 | 89 | E | 2 | 1 |
| 14070 | Perfluorodecanoic acid | 335-76-2 | 14 | | 2 | 1 |
| 14070 | Perfluorododecanoic acid | 307-55-1 | 2 | J | 2 | 1 |
| 14070 | Perfluoroheptanoic acid | 375-85-9 | 150 | E | 2 | 1 |
| 14070 | Perfluorohexanesulfonate | 355-46-4 | 130 | E | 2 | 1 |
| 14070 | Perfluorohexanoic acid | 307-24-4 | 99 | E | 2 | 1 |
| 14070 | Perfluorononanoic acid | 375-95-1 | 20 | | 2 | 1 |
| 14070 | Perfluoro-octanesulfonate | 1763-23-1 | 25 | E | 2 | 1 |
| 14070 | Perfluorooctanoic acid | 335-67-1 | 490 | E | 2 | 1 |
| 14070 | Perfluorotetradecanoic acid | 376-06-7 | N.D. | | 3 | 1 |
| 14070 | Perfluorotridecanoic acid | 72629-94-8 | N.D. | | 2 | 1 |
| 14070 | Perfluoroundecanoic acid | 2058-94-8 | 7 | J | 2 | 1 |

The recovery for internal standard area d3-NMeFOSAA is outside of QC acceptance limits. Since the recovery for native compounds NMeFOSAA and NEtFOSAA is within QC acceptance limits, the data is reported.

**Laboratory Sample Analysis Record**

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 14070 | Full List PFAS - DW | EPA 537 Version 1.1 | 1 | 17363008 | 01/02/2018 20:35 | Marissa C Drexinger | 1 |

**Sample Description:** **Ex. 6 - Personal Privacy**

**Project Name:** **Wolverine World Wide Tannery**

**Tetra Tech, Inc.**
**ELLE Sample #:** **PW 9388824**
**ELLE Group #:** **1891712**
**Matrix: Water**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 09:55
SDG#: WWW01-06MSD

| CAT No. | Analysis Name | CAS Number | Result | | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Misc. Organics** | **EPA 537 Version 1.1** | | ng/l | | ng/l | |
| 14070 | NEtFOSAA | 2991-50-6 | 21 | | 2 | 1 |
| | NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid. | | | | | |
| 14070 | NMeFOSAA | 2355-31-9 | 19 | | 2 | 1 |
| | NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid. | | | | | |
| 14070 | Perfluorobutanesulfonate | 375-73-5 | 73 | E | 2 | 1 |
| 14070 | Perfluorodecanoic acid | 335-76-2 | 24 | | 2 | 1 |

Reference ID:
1891712100118093643

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# Analysis Report

Partial Report

**Sample Description:** **Ex. 6 - Personal Privacy**

**Tetra Tech, Inc.**
**ELLE Sample #: PW 9388824**
**ELLE Group #: 1891712**
**Matrix: Water**

**Project Name:** **Wolverine World Wide Tannery**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 09:55
SDG#: WWW01-06MSD

| CAT No. | Analysis Name | CAS Number | Result | | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Misc. Organics** | **EPA 537 Version 1.1** | | ng/l | | ng/l | |
| 14070 | Perfluorododecanoic acid | 307-55-1 | 18 | | 2 | 1 |
| 14070 | Perfluoroheptanoic acid | 375-85-9 | 150 | E | 2 | 1 |
| 14070 | Perfluorohexanesulfonate | 355-46-4 | 110 | E | 2 | 1 |
| 14070 | Perfluorohexanoic acid | 307-24-4 | 99 | E | 2 | 1 |
| 14070 | Perfluorononanoic acid | 375-95-1 | 25 | | 2 | 1 |
| 14070 | Perfluoro-octanesulfonate | 1763-23-1 | 26 | | 2 | 1 |
| 14070 | Perfluorooctanoic acid | 335-67-1 | 510 | E | 2 | 1 |
| 14070 | Perfluorotetradecanoic acid | 376-06-7 | 6 | J | 3 | 1 |
| 14070 | Perfluorotridecanoic acid | 72629-94-8 | 12 | | 2 | 1 |
| 14070 | Perfluoroundecanoic acid | 2058-94-8 | 23 | | 2 | 1 |

**Laboratory Sample Analysis Record**

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 14070 | Full List PFAS - DW | EPA 537 Version 1.1 | 1 | 17363008 | 01/02/2018 20:47 | Marissa C Drexinger | 1 |

**Sample Description:** **Ex. 6 - Personal Privacy**

**Tetra Tech, Inc.**
**ELLE Sample #: PW 9388833**
**ELLE Group #: 1891712**
**Matrix: Water**

**Project Name:** **Wolverine World Wide Tannery**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 12:53
SDG#: WWW01-15

| CAT No. | Analysis Name | CAS Number | Result | | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|---|
| **Misc. Organics** | **EPA 537 Version 1.1** | | ng/l | | ng/l | |
| 14070 | NEtFOSAA | 2991-50-6 | N.D. | | 2 | 1 |
| | NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid. | | | | | |
| 14070 | NMeFOSAA | 2355-31-9 | N.D. | | 2 | 1 |
| | NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid. | | | | | |
| 14070 | Perfluorobutanesulfonate | 375-73-5 | N.D. | | 2 | 1 |
| 14070 | Perfluorodecanoic acid | 335-76-2 | N.D. | | 2 | 1 |
| 14070 | Perfluorododecanoic acid | 307-55-1 | N.D. | | 2 | 1 |
| 14070 | Perfluoroheptanoic acid | 375-85-9 | N.D. | | 2 | 1 |
| 14070 | Perfluorohexanesulfonate | 355-46-4 | N.D. | | 2 | 1 |
| 14070 | Perfluorohexanoic acid | 307-24-4 | N.D. | | 2 | 1 |
| 14070 | Perfluorononanoic acid | 375-95-1 | N.D. | | 2 | 1 |
| 14070 | Perfluoro-octanesulfonate | 1763-23-1 | 6 | | 2 | 1 |
| 14070 | Perfluorooctanoic acid | 335-67-1 | N.D. | | 2 | 1 |
| 14070 | Perfluorotetradecanoic acid | 376-06-7 | N.D. | | 3 | 1 |
| 14070 | Perfluorotridecanoic acid | 72629-94-8 | N.D. | | 2 | 1 |
| 14070 | Perfluoroundecanoic acid | 2058-94-8 | N.D. | | 2 | 1 |

Reference ID:
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# Analysis Report

Partial Report

**Sample Description:** **Ex. 6 - Personal Privacy**

**Project Name:** **Wolverine World Wide Tannery**

**Tetra Tech, Inc.**
**ELLE Sample #:** **PW 9388833**
**ELLE Group #:** **1891712**
**Matrix: Water**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 12:53
SDG#: WWW01-15

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|

The recovery for PFTeDA and PFHxS in the laboratory fortified blank duplicate (LFBD) is outside of QC acceptance limits as noted on the QC Summary. The data reported should be considered prelimimary as this sample will be re-extracted.

**Laboratory Sample Analysis Record**

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 14070 | Full List PFAS - DW | EPA 537 Version 1.1 | 1 | 18003005 | 01/05/2018 02:25 | Marissa C Drexinger | 1 |

**Sample Description:** **Ex. 6 - Personal Privacy**

**Project Name:** **Wolverine World Wide Tannery**

**Tetra Tech, Inc.**
**ELLE Sample #:** **PW 9388834**
**ELLE Group #:** **1891712**
**Matrix: Water**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 12:58
SDG#: WWW01-16

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|
| **Misc. Organics** | **EPA 537 Version 1.1** | | ng/l | ng/l | |
| 14070 | NEtFOSAA | 2991-50-6 | N.D. | 3 | 1 |
| | NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid. | | | | |
| 14070 | NMeFOSAA | 2355-31-9 | N.D. | 3 | 1 |
| | NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid. | | | | |
| 14070 | Perfluorobutanesulfonate | 375-73-5 | 4 J | 3 | 1 |
| 14070 | Perfluorodecanoic acid | 335-76-2 | N.D. | 3 | 1 |
| 14070 | Perfluorododecanoic acid | 307-55-1 | N.D. | 3 | 1 |
| 14070 | Perfluoroheptanoic acid | 375-85-9 | N.D. | 3 | 1 |
| 14070 | Perfluorohexanesulfonate | 355-46-4 | N.D. | 3 | 1 |
| 14070 | Perfluorohexanoic acid | 307-24-4 | N.D. | 3 | 1 |
| 14070 | Perfluorononanoic acid | 375-95-1 | N.D. | 3 | 1 |
| 14070 | Perfluoro-octanesulfonate | 1763-23-1 | N.D. | 3 | 1 |
| 14070 | Perfluorooctanoic acid | 335-67-1 | N.D. | 3 | 1 |
| 14070 | Perfluorotetradecanoic acid | 376-06-7 | N.D. | 5 | 1 |
| 14070 | Perfluorotridecanoic acid | 72629-94-8 | N.D. | 3 | 1 |
| 14070 | Perfluoroundecanoic acid | 2058-94-8 | N.D. | 3 | 1 |

The recovery for PFTeDA and PFHxS in the laboratory fortified blank duplicate (LFBD) is outside of QC acceptance limits as noted on the QC Summary. The data reported should be considered prelimimary as this sample will be re-extracted.

Reference ID:
1891712100118093643

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# Analysis Report

Partial Report

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 14070 | Full List PFAS - DW | EPA 537 Version 1.1 | 1 | 18003005 | 01/05/2018 02:36 | Marissa C Drexinger | 1 |

**Sample Description:** **Ex. 6 - Personal Privacy**

**Project Name:** **Wolverine World Wide Tannery**

**Tetra Tech, Inc.**
**ELLE Sample #:** **PW 9388836**
**ELLE Group #:** **1891712**
**Matrix: Water**

Submittal Date/Time: 12/29/2017 10:00
Collection Date/Time: 12/27/2017 14:40
SDG#: WWW01-18

| CAT No. | Analysis Name | CAS Number | Result | Method Detection Limit | Dilution Factor |
|---|---|---|---|---|---|
| **Misc. Organics** | **EPA 537 Version 1.1** | | ng/l | ng/l | |
| 14070 | NEtFOSAA | 2991-50-6 | N.D. | 2 | 1 |
| | NEtFOSAA is the acronym for N-ethyl perfluorooctanesulfonamidoacetic Acid. | | | | |
| 14070 | NMeFOSAA | 2355-31-9 | N.D. | 2 | 1 |
| | NMeFOSAA is the acronym for N-methyl perfluorooctanesulfonamidoacetic Acid. | | | | |
| 14070 | Perfluorobutanesulfonate | 375-73-5 | N.D. | 2 | 1 |
| 14070 | Perfluorodecanoic acid | 335-76-2 | N.D. | 2 | 1 |
| 14070 | Perfluorododecanoic acid | 307-55-1 | N.D. | 2 | 1 |
| 14070 | Perfluoroheptanoic acid | 375-85-9 | N.D. | 2 | 1 |
| 14070 | Perfluorohexanesulfonate | 355-46-4 | N.D. | 2 | 1 |
| 14070 | Perfluorohexanoic acid | 307-24-4 | N.D. | 2 | 1 |
| 14070 | Perfluorononanoic acid | 375-95-1 | N.D. | 2 | 1 |
| 14070 | Perfluoro-octanesulfonate | 1763-23-1 | 3 J | 2 | 1 |
| 14070 | Perfluorooctanoic acid | 335-67-1 | N.D. | 2 | 1 |
| 14070 | Perfluorotetradecanoic acid | 376-06-7 | N.D. | 3 | 1 |
| 14070 | Perfluorotridecanoic acid | 72629-94-8 | N.D. | 2 | 1 |
| 14070 | Perfluoroundecanoic acid | 2058-94-8 | N.D. | 2 | 1 |

The recovery for PFTeDA and PFHxS in the laboratory fortified blank duplicate (LFBD) is outside of QC acceptance limits as noted on the QC Summary. The data reported should be considered prelimimary as this sample will be re-extracted.

## Laboratory Sample Analysis Record

| CAT No. | Analysis Name | Method | Trial# | Batch# | Analysis Date and Time | Analyst | Dilution Factor |
|---|---|---|---|---|---|---|---|
| 14070 | Full List PFAS - DW | EPA 537 Version 1.1 | 1 | 18003005 | 01/05/2018 02:48 | Marissa C Drexinger | 1 |

Reference ID:
1891712100118093643

# Environmental Analysis Request/Chain of Custody

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For Eurofins Lancaster Laboratories Environmental use only

Acct. # 10459 Group # 1891712 Sample # 9388817-45

**COC # 540829**

## Client Information

| | |
|---|---|
| Client: MSG/Tetra Tech | Acct. #: |
| Project Name/#: Wolverine World Wide | PWSID #: |
| Project Manager: BRENT RITCHIE | P.O. #: 217808 |
| Sampler: BLR / C. Remer | Quote #: |
| State where samples were collected: MI | For Compliance: Yes ☐ No ☒ |

**Matrix:** Soil ☐ Sediment ☐ Tissue ☐ | Water: Potable ☒ Ground ☐ NPDES ☐ Surface ☐ | Other: ____

**Analysis Requested** — Preservation Codes: 0

For Lab Use Only: FSC: ____ SCR#: ____

Preservation Codes: H=HCl, T=Thiosulfate, N=$HNO_3$, B=NaOH, S=$H_2SO_4$, O=Other

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Soil | Water | Other | Total # of Containers | PFAS | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| Ex. 6 - Personal Privacy | 122717 | 0835 | X | | | | | 1 | X | |
| | | 0838 | X | | | | | 2 | X | |
| | | 0854 | X | | | | | 2 | X | |
| | | 0946 | X | | | | | 1 | X | |
| | | 0950 | X | | | | | 2 | X | |
| | | 0955 | X | | | | | 6 | X | MS/MSD |
| | | 1054 | X | | | | | 1 | X | |
| | | 1057 | X | | | | | 2 | X | |
| | | 1102 | X | | | | | 2 | X | |

**Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: 5-DAY

E-mail address: britchie@mannitsmithgroup.com

**Data Package Options** (circle if required)
Type I (EPA Level 3 Equivalent/non-CLP)
Type VI (Raw Data Only) Level IV
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12-27-17 | 2000 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 12/29/17 | 1000 |

EDD Required? Yes No
If yes, format: ____

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Temperature upon receipt 0.4/1.0 °C

# Environmental Analysis Request/Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only
Acct. # 10459 Group # 1891712 Sample # 9388817

**COC #** 540830

**Client Information**

Client: MSG / Tetra Tech
Acct. #:
Project Name/#: Wolverine World Wide
PWSID #:
Project Manager: BRENT RITCHIE
P.O. #: 217808
Sampler: BLR / C. Renner
Quote #:
State where samples were collected: MI
For Compliance: Yes ☐ No ☒

**Matrix**: Soil ☐ Tissue ☐ Sediment ☐ Water: Potable ☒ Ground ☐ Surface ☐ NPDES ☐ Other: ____

**Analysis Requested** — Preservation Codes: 0

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**Remarks**

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Total # of Containers | PFAS | Remarks |
|---|---|---|---|---|---|---|---|
| Ex. 6 - Personal Privacy | 717 | 1156 | X | | 1 | X | |
| | | 1202 | X | | 2 | X | |
| | | 1207 | X | | 2 | X | |
| | | 1207 | X | | 2 | X | |
| | | 1250 | X | | 1 | X | |
| | | 1253 | X | | 2 | X | |
| | | 1258 | X | | 2 | X | |
| | | 1438 | X | | 1 | X | |
| | | 1440 | X | | 2 | X | |
| | | 1445 | X | | 2 | X | |

**Turnaround Time (TAT) Requested** (please circle)
Standard (Rush)
(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: 5-day

E-mail address: britchie@marshsmithgroup.com

**Data Package Options** (circle if required)
Type I (EPA Level 3 Equivalent/non-CLP)
Type VI (Raw Data Only) (Level IV)
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12.29.17 | 2000 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 12/29/17 | 1000 |

EDD Required? (Yes) No
If yes, format:

Site-Specific QC (MS/MSD/Dup)? (Yes) No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx X Other ____

Temperature upon receipt 1.3 °C

# Environmental Analysis Request/Chain of Custody

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Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 10459 Group # 1891712 Sample # 938881 7-45

**COC # 540817**

## Client Information

Client: MSG/Tetra Tech

Acct. #:

Project Name/#: Wolverine World Wide

PWSID #:

Project Manager: Brent Ritchie

P.O. #: 217808

Sampler: BLR / C. Renner

Quote #:

State where samples were collected: MI

For Compliance: Yes ☐ No ☒

**Ex. 6 - Personal Privacy**

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Soil | Sediment | Tissue | Potable | Ground | Surface | NPDES | Other: | Total # of Containers | PFAS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 122717 | 1719 | X | | | | | | | | | | 1 | X | | | | | | | | | | |
| | | 1723 | X | | | | | | | | | | 2 | X | | | | | | | | | | |
| | | 1728 | X | | | | | | | | | | 2 | X | | | | | | | | | | |
| | | 1809 | X | | | | | | | | | | 1 | X | | | | | | | | | | |
| | | 1811 | X | | | | | | | | | | 2 | X | | | | | | | | | | |

Matrix: Soil ☐ Sediment ☐ Tissue ☐ Water: Potable ☐ Ground ☒ Surface ☐ NPDES ☐ Other: ____

Analysis Requested — Preservation Codes: O

For Lab Use Only

FSC:

SCR#:

**Preservation Codes**

H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

**Remarks**

**Turnaround Time (TAT) Requested** (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: 5-Day

E-mail address: Britchie@MannikSmithGroup.com

**Data Package Options** (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Level IV Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12-3-17 | 2000 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 12/3/17 | 1000 |

EDD Required? Yes No

If yes, format:

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier: UPS ____ FedEx X Other ____

Temperature upon receipt 1.3 °C

# Environmental Analysis Request/Chain of Custody

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Lancaster Laboratories Environmental

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Acct. # 10459 Group # 1891712 Sample # 9388817-45

**COC #** 540816

## Client Information

| | |
|---|---|
| Client: MSG / Tetra Tech | Acct. #: |
| Project Name/#: Wolverine World Wide | PWSID #: |
| Project Manager: BRENT RITCHIE | P.O. #: 217808 |
| Sampler: BLR / C. Renner | Quote #: |
| State where samples were collected: MI | For Compliance: Yes ☒ No ☐ |

For Lab Use Only
FSC:
SCR#:

**Preservation Codes**
H=HCl T=Thiosulfate
N=$HNO_3$ B=NaOH
S=$H_2SO_4$ O=Other

| Sample Identification | Collected Date | Collected Time | Grab | Composite | Soil | Sediment | Tissue | Potable | Ground | Surface | NPDES | Water | Other: | Total # of Containers | PFAS | | | | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ex. 6 - Personal Privacy | 122717 | 1602 | X | | | | | | X | | | | | 2 | X | | | | | | | | | >400 ppt |
| | 122717 | 1602 | X | | | | | | X | | | | | 2 | X | | | | | | | | | 7400 ppt |
| | 122717 | 1823 | X | | | | | | X | | | | | 2 | X | | | | | | | | | 7400 ppt |

Analysis Requested — Preservation Codes: O

**Turnaround Time (TAT) Requested** (please circle)
Standard Rush
(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: 5-day

E-mail address: britchie@marnikesmithgroup.com

**Data Package Options** (circle if required)
Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only) Level IV
Type III (Reduced non-CLP) NJ DKQP TX TRRP-13
NYSDEC Category A or B MA MCP CT RCP

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12.27.17 | 2000 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | [signature] | 12/28/17 | 10:00 |

EDD Required? Yes No
If yes, format:

Site-Specific QC (MS/MSD/Dup)? Yes No
(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
UPS ____ FedEx X Other ____

Temperature upon receipt 3.6 °C

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# Sample Administration Receipt Documentation Log

Doc Log ID: 205017

Group Number(s): 1891712

Client: MSG/TETRA TECH

## Delivery and Receipt Information

| | | | |
|---|---|---|---|
| Delivery Method: | Fed Ex | Arrival Timestamp: | 12/29/2017 10:00 |
| Number of Packages: | 4 | Number of Projects: | 1 |
| State/Province of Origin: | MI | | |

## Arrival Condition Summary

| | | | |
|---|---|---|---|
| Shipping Container Sealed: | Yes | Sample IDs on COC match Containers: | Yes |
| Custody Seal Present: | Yes | Sample Date/Times match COC: | Yes |
| Custody Seal Intact: | Yes | VOA Vial Headspace ≥ 6mm: | N/A |
| Samples Chilled: | Yes | Total Trip Blank Qty: | 0 |
| Paperwork Enclosed: | Yes | Air Quality Samples Present: | No |
| Samples Intact: | Yes | | |
| Missing Samples: | No | | |
| Extra Samples: | No | | |
| Discrepancy in Container Qty on COC: | No | | |

*Unpacked by Wendy Wakeley (1669) at 11:06 on 12/29/2017*

## Samples Chilled Details

*Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.*

| Cooler # | Thermometer ID | Corrected Temp | Therm. Type | Ice Type | Ice Present? | Ice Container | Elevated Temp? |
|---|---|---|---|---|---|---|---|
| 1 | DT146 | 3.6 | DT | Wet | Y | Bagged | N |
| 2 | DT146 | 1.3 | DT | Wet | Y | Bagged | N |
| 3 | DT146 | 0.4 | DT | Wet | Y | Bagged | N |
| 4 | DT146 | 1.0 | DT | Wet | Y | Bagged | N |



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# Explanation of Symbols and Abbreviations

*The following defines common symbols and abbreviations used in reporting technical data:*

| | | | |
|---|---|---|---|
| **BMQL** | Below Minimum Quantitation Level | **mg** | milligram(s) |
| **C** | degrees Celsius | **mL** | milliliter(s) |
| **cfu** | colony forming units | **MPN** | Most Probable Number |
| **CP Units** | cobalt-chloroplatinate units | **N.D.** | non-detect |
| **F** | degrees Fahrenheit | **ng** | nanogram(s) |
| **g** | gram(s) | **NTU** | nephelometric turbidity units |
| **IU** | International Units | **pg/L** | picogram/liter |
| **kg** | kilogram(s) | **RL** | Reporting Limit |
| **L** | liter(s) | **TNTC** | Too Numerous To Count |
| **lb.** | pound(s) | **µg** | microgram(s) |
| **m3** | cubic meter(s) | **µL** | microliter(s) |
| **meq** | milliequivalents | **umhos/cm** | micromhos/cm |

| | |
|---|---|
| **<** | less than |
| **>** | greater than |
| **ppm** | parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas. |
| **ppb** | parts per billion |
| **Dry weight basis** | Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis. |

**Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.**

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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# Data Qualifiers

| Qualifier | Definition |
|---|---|
| C | Result confirmed by reanalysis |
| D1 | Indicates for dual column analyses that the result is reported from column 1 |
| D2 | Indicates for dual column analyses that the result is reported from column 2 |
| E | Concentration exceeds the calibration range |
| J (or G, I, X) | Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL) |
| P | Concentration difference between the primary and confirmation column >40%. The lower result is reported. |
| U | Analyte was not detected at the value indicated |
| V | Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference. |
| W | The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L. |
| Z | Laboratory Defined - see analysis report |

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.