

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from (**check one**):

- Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- Aboveground Petroleum Storage Tank System
- Dry Cleaner Facility
- Other - Describe: ACTIVE FIRE TRAINING BURN PIT

ATTN DNR: **R & R Program Associate**

Date DNR Notified: 10/06/2016

1. Discharge Reported By

Name Craig O. Bartholomew	Firm US Army - Fort McCoy	Phone No. (include area code) (608) 388-8453
Mailing Address 2171 South 8th Avenue		Email Address craig.o.bartholomew2.civ@mail.mil

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. Fort McCoy Active Fire Training Site

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 6073 Hanger Way

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.

Fort McCoy, Angelo Township

County: Monroe	Legal Description: SW 1/4 NE 1/4 Sec 16 Tn 17 Range 3	WTM: X <input type="checkbox"/> E <input checked="" type="checkbox"/> W <input type="checkbox"/> Y <input type="checkbox"/>
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3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

US Army - Fort McCoy

- Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats.
- For more information see <http://dnr.wi.gov/topic/Brownfields/Liability.html>.

Contact Person Name (if different)	Phone Number	Email Address	
Mailing Address	City	State	ZIP Code

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email Address	
Mailing Address	City	State	ZIP Code

(continued)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- | | | |
|--|---|--|
| <input type="checkbox"/> VOC's | <input type="checkbox"/> Diesel | <input type="checkbox"/> PERC (Dry Cleaners) |
| <input type="checkbox"/> PAH's | <input type="checkbox"/> Fuel Oil | <input type="checkbox"/> RCRA Hazardous Waste |
| <input type="checkbox"/> Metals (specify): _____ | <input type="checkbox"/> Gasoline | <input type="checkbox"/> Leachate |
| <input type="checkbox"/> Arsenic | <input type="checkbox"/> Hydraulic Oil | <input type="checkbox"/> Fertilizer |
| <input type="checkbox"/> Chromium | <input type="checkbox"/> Jet Fuel | <input type="checkbox"/> Pesticide/Herbicide/Insecticide(s) |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Mineral Oil | <input checked="" type="checkbox"/> Other (specify): <u>Perfluorinated Compounds</u> |
| <input type="checkbox"/> Lead | <input type="checkbox"/> Waste Oil | <input type="checkbox"/> Unknown |
| <input type="checkbox"/> PCB's | <input type="checkbox"/> Petroleum-Unknown Type | |

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- | | | |
|---|---|--|
| <input type="checkbox"/> Air Contamination | <input type="checkbox"/> Sanitary Sewer Contamination | <input type="checkbox"/> Soil Contamination |
| <input type="checkbox"/> Co-Contamination (Petroleum & Non-Petroleum) | <input type="checkbox"/> Contamination in Right of Way | <input type="checkbox"/> Storm Sewer |
| <input type="checkbox"/> Contamination Within 1 Meter of Bedrock | <input type="checkbox"/> Fire Explosion Threat | <input type="checkbox"/> Surface Water Contamination |
| <input type="checkbox"/> Contaminated Private Well | <input type="checkbox"/> Free Product | <input type="checkbox"/> Within 100 ft of Private Well |
| <input type="checkbox"/> Contaminated Public Well | <input checked="" type="checkbox"/> Groundwater Contamination | <input type="checkbox"/> Within 1000 ft of Public Well |
| <input type="checkbox"/> Contamination in Fractured Bedrock | <input type="checkbox"/> Off-Site Contamination | |
| | <input type="checkbox"/> Other (specify): _____ | |

Contamination was discovered as a result of:

- | | | |
|--|--|---|
| <input type="checkbox"/> Tank closure assessment | <input type="checkbox"/> Site assessment | <input checked="" type="checkbox"/> Other - Describe: <u>Confirming whether PFCs had been released.</u> |
| Date <input type="text"/> | Date <input type="text"/> | Date <input type="text" value="09/06/2016"/> |

Lab results: Lab results will be faxed upon receipt Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

Fort McCoy will work with the WDNR to determine what actions need to be taken, as the are no Wisconsin standards for PFCs.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

- | | Source | Cause |
|---|--|--------------|
| <input type="checkbox"/> Tank | <input type="checkbox"/> Spill | |
| <input type="checkbox"/> Piping | <input type="checkbox"/> Overfill | |
| <input type="checkbox"/> Dispenser | <input type="checkbox"/> Corrosion | |
| <input type="checkbox"/> Submersible Turbine Pump | <input type="checkbox"/> Physical or Mechanical Damage | |
| <input type="checkbox"/> Delivery Problem | <input type="checkbox"/> Installation Problem | |
| <input type="checkbox"/> Other (specify): _____ | <input type="checkbox"/> Other (does not fit any of above) | |
| | <input type="checkbox"/> Unknown | |

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac (except City of Waupun - see South Central Region), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac (City of Waupun only), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties

FIRE TRAINING BURN PIT 3
Sep-16

PARAMETER	SAMPLE (ug/L)					USEPA PROVISIONAL HEALTH ADVISORY (ug/L)
	SAMPLE	MW-1R	MW-1R (DUP)	MW-2R	MW-3R	
PFBA	0.094	0.098	1.400	0.750	0.200	NS
PFHxA	0.250	0.260	4.900	2.000	1.200	NS
PFHpA	0.280	0.300	1.200	0.530	0.230	NS
PFOA	0.480	0.480	0.720	0.510	0.650	0.07 ¹
PFBS	0.035	0.042	0.380	1.200	0.250	NS
PFPeA	0.390	0.420	5.300	3.000	0.700	NS
PFHxS	1.200	1.300	7.800	2.600	5.500	NS
PFOS	6.800	6.300	67.000	2.100	120.000	0.07 ¹

¹This standard is for combined PFOA and PFOS.

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-21576-2
Client Project/Site: Fort McCoy PFAS FTBP3

For:
Hyde Environmental, Inc.
W175 N11163 Stonewood Drive
Suite 110
Germantown, Wisconsin 53022

Attn: Jim Lindemann



Authorized for release by:
10/3/2016 2:53:28 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
*	Isotope Dilution analyte is outside acceptance limits.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Job ID: 320-21576-2

Laboratory: TestAmerica Sacramento

Narrative

Job Narrative 320-21576-2

Comments

No additional comments.

Receipt

The samples were received on 9/8/2016 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.0° C and 5.1° C.

Dioxin

Method(s) 537 (Modified): The concentration of Perfluorooctanesulfonic acid (PFOS) in the following sample exceeded the instrument calibration range: MW-2R (320-21576-16) and MW-4R (320-21576-17). This analytes has been qualified; however, the peak did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range. The maximum dilution was performed for the sample.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method(s) 537 (Modified): The first level standard from the initial calibration curve is used to evaluate the tune criteria. The instrument mass windows are set at +/- 0.5amu; therefore, detection of the analyte serves as verification that the assigned mass is within +/- 0.5amu of the true value, which meets the DoD/DOE QSM tune criterion.

Method(s) 537 (Modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for several analytes in the following samples: MW-1R (DUP) (320-21576-15), MW-4R (320-21576-17) and MW-3R (320-21576-18). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method(s) 537 (Modified): The injection times displayed in chrom/TALS do not match the injection times listed on A8 instrument printouts. The instrument printout listing the injection times can be found at the end of the run log section. MW-1R (320-21576-14), MW-1R (DUP) (320-21576-15), MW-2R (320-21576-16), MW-4R (320-21576-17), MW-3R (320-21576-18), (CCV 320-129688/19), (CCV 320-129688/20), (CCV 320-129688/6), (CCV 320-129688/7), (CCV 320-129688/4), (CCV 320-129688/5), (ICV 320-129364/12), (ICV 320-129364/22), (CCV 320-129481/30), (CCV 320-129481/31), (CCV 320-129481/59), (CCV 320-129481/60), (CCV 320-129481/63), (CCV 320-129481/64), (CCV 320-129481/70), (CCV 320-129481/15), (CCV 320-129481/5), (LCS 320-126548/2-A), (MB 320-126548/1-A), (320-21576-A-5-A), (320-21576-B-5-A MS), (320-21576-B-5-B MSD), (CCV 320-129691/16), (CCV 320-129691/17), (CCV 320-129691/26) and (CCV 320-129691/27)

Method(s) 537 (Modified): The closing continuing calibration verification (CCV) standard associated with batch 320-129481 failed to meet acceptance limits for Perfluorooctanesulfonic acid (PFOS). The CCV was out high due to carryover from high concentrations of PFOS in the preceding samples. The opening CCV was in control and so reanalysis of the following samples was not performed: (CCV 320-129481/63).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-1R

Lab Sample ID: 320-21576-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	94	B	2.1	0.38	ng/L	1		537 (Modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	250		2.1	0.65	ng/L	1		537 (Modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	280		2.1	0.66	ng/L	1		537 (Modified)	Total/NA
Perfluorooctanoic acid (PFOA)	480		2.1	0.62	ng/L	1		537 (Modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	35		2.1	0.76	ng/L	1		537 (Modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	390		100	41	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS) - DL	1200		100	36	ng/L	50		537 (Modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	6800		160	53	ng/L	50		537 (Modified)	Total/NA

Client Sample ID: MW-1R (DUP)

Lab Sample ID: 320-21576-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	98	B	2.1	0.38	ng/L	1		537 (Modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	260		2.1	0.65	ng/L	1		537 (Modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	300		2.1	0.66	ng/L	1		537 (Modified)	Total/NA
Perfluorooctanoic acid (PFOA)	480		2.1	0.62	ng/L	1		537 (Modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	42		2.1	0.76	ng/L	1		537 (Modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	420		100	41	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS) - DL	1300		100	36	ng/L	50		537 (Modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	6300		170	53	ng/L	50		537 (Modified)	Total/NA

Client Sample ID: MW-2R

Lab Sample ID: 320-21576-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA) - DL	1400	B	110	19	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	4900		110	33	ng/L	50		537 (Modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	1200		110	34	ng/L	50		537 (Modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	5300		110	42	ng/L	50		537 (Modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	720		110	31	ng/L	50		537 (Modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS) - DL	380		110	39	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS) - DL	7800		110	37	ng/L	50		537 (Modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL2	67000	E	340	110	ng/L	100		537 (Modified)	Total/NA

Client Sample ID: MW-4R

Lab Sample ID: 320-21576-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	200	B	2.1	0.38	ng/L	1		537 (Modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	230		2.1	0.67	ng/L	1		537 (Modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	1200		100	33	ng/L	50		537 (Modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	700		100	41	ng/L	50		537 (Modified)	Total/NA
Perfluorooctanoic acid (PFOA) - DL	650		100	31	ng/L	50		537 (Modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS) - DL	250		100	39	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS) - DL	5500		100	37	ng/L	50		537 (Modified)	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Hyde Environmental, Inc.
 Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-4R (Continued)

Lab Sample ID: 320-21576-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS) - DL2	120000	E	340	110	ng/L	100		537 (Modified)	Total/NA

Client Sample ID: MW-3R

Lab Sample ID: 320-21576-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	510		2.1	0.63	ng/L	1		537 (Modified)	Total/NA
Perfluorobutanoic acid (PFBA) - DL	750	B	110	19	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	2000		110	33	ng/L	50		537 (Modified)	Total/NA
Perfluoroheptanoic acid (PFHpA) - DL	530		110	34	ng/L	50		537 (Modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	3000		110	42	ng/L	50		537 (Modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS) - DL	1200		110	39	ng/L	50		537 (Modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS) - DL	2600		110	37	ng/L	50		537 (Modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	2100		170	54	ng/L	50		537 (Modified)	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Client Sample Results

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-1R

Date Collected: 09/06/16 16:20

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-14

Matrix: Water

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	94	B	2.1	0.38	ng/L		09/10/16 09:06	09/27/16 18:24	1
Perfluorohexanoic acid (PFHxA)	250		2.1	0.65	ng/L		09/10/16 09:06	09/27/16 18:24	1
Perfluoroheptanoic acid (PFHpA)	280		2.1	0.66	ng/L		09/10/16 09:06	09/27/16 18:24	1
Perfluorooctanoic acid (PFOA)	480		2.1	0.62	ng/L		09/10/16 09:06	09/27/16 18:24	1
Perfluorobutanesulfonic acid (PFBS)	35		2.1	0.76	ng/L		09/10/16 09:06	09/27/16 18:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	64		25 - 150	09/10/16 09:06	09/27/16 18:24	1
13C4 PFOA	46		25 - 150	09/10/16 09:06	09/27/16 18:24	1
18O2 PFHxS	70		25 - 150	09/10/16 09:06	09/27/16 18:24	1
13C4-PFHpA	47		25 - 150	09/10/16 09:06	09/27/16 18:24	1
13C4 PFBA	35		25 - 150	09/10/16 09:06	09/27/16 18:24	1

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	390		100	41	ng/L		09/10/16 09:06	09/28/16 13:56	50
Perfluorohexanesulfonic acid (PFHxS)	1200		100	36	ng/L		09/10/16 09:06	09/28/16 13:56	50
Perfluorooctanesulfonic acid (PFOS)	6800		160	53	ng/L		09/10/16 09:06	09/28/16 13:56	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	135		25 - 150	09/10/16 09:06	09/28/16 13:56	50
13C4 PFOS	132		25 - 150	09/10/16 09:06	09/28/16 13:56	50
13C5-PFPeA	78		25 - 150	09/10/16 09:06	09/28/16 13:56	50

Client Sample Results

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-1R (DUP)

Lab Sample ID: 320-21576-15

Date Collected: 09/06/16 16:20

Matrix: Water

Date Received: 09/08/16 09:55

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	98	B	2.1	0.38	ng/L		09/10/16 09:06	09/27/16 18:31	1
Perfluorohexanoic acid (PFHxA)	260		2.1	0.65	ng/L		09/10/16 09:06	09/27/16 18:31	1
Perfluoroheptanoic acid (PFHpA)	300		2.1	0.66	ng/L		09/10/16 09:06	09/27/16 18:31	1
Perfluorooctanoic acid (PFOA)	480		2.1	0.62	ng/L		09/10/16 09:06	09/27/16 18:31	1
Perfluorobutanesulfonic acid (PFBS)	42		2.1	0.76	ng/L		09/10/16 09:06	09/27/16 18:31	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFHxA	65		25 - 150	09/10/16 09:06	09/27/16 18:31	1
13C4 PFOA	47		25 - 150	09/10/16 09:06	09/27/16 18:31	1
18O2 PFHxS	71		25 - 150	09/10/16 09:06	09/27/16 18:31	1
13C4-PFHpA	48		25 - 150	09/10/16 09:06	09/27/16 18:31	1
13C4 PFBA	36		25 - 150	09/10/16 09:06	09/27/16 18:31	1

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	420		100	41	ng/L		09/10/16 09:06	09/28/16 14:04	50
Perfluorohexanesulfonic acid (PFHxS)	1300		100	36	ng/L		09/10/16 09:06	09/28/16 14:04	50
Perfluorooctanesulfonic acid (PFOS)	6300		170	53	ng/L		09/10/16 09:06	09/28/16 14:04	50

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	286	*	25 - 150	09/10/16 09:06	09/28/16 14:04	50
13C4 PFOS	278	*	25 - 150	09/10/16 09:06	09/28/16 14:04	50
13C5-PFPeA	183	*	25 - 150	09/10/16 09:06	09/28/16 14:04	50

Client Sample Results

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-2R

Date Collected: 09/06/16 17:15

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-16

Matrix: Water

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1400	B	110	19	ng/L		09/10/16 09:06	09/28/16 14:11	50
Perfluorohexanoic acid (PFHxA)	4900		110	33	ng/L		09/10/16 09:06	09/28/16 14:11	50
Perfluoroheptanoic acid (PFHpA)	1200		110	34	ng/L		09/10/16 09:06	09/28/16 14:11	50
Perfluoropentanoic acid (PFPeA)	5300		110	42	ng/L		09/10/16 09:06	09/28/16 14:11	50
Perfluorooctanoic acid (PFOA)	720		110	31	ng/L		09/10/16 09:06	09/28/16 14:11	50
Perfluorobutanesulfonic acid (PFBS)	380		110	39	ng/L		09/10/16 09:06	09/28/16 14:11	50
Perfluorohexanesulfonic acid (PFHxS)	7800		110	37	ng/L		09/10/16 09:06	09/28/16 14:11	50
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
¹³ C2 PFHxA	95		25 - 150				09/10/16 09:06	09/28/16 14:11	50
¹³ C4 PFOA	113		25 - 150				09/10/16 09:06	09/28/16 14:11	50
¹⁸ O2 PFHxS	141		25 - 150				09/10/16 09:06	09/28/16 14:11	50
¹³ C4-PFHpA	91		25 - 150				09/10/16 09:06	09/28/16 14:11	50
¹³ C5-PFPeA	103		25 - 150				09/10/16 09:06	09/28/16 14:11	50
¹³ C4 PFBA	100		25 - 150				09/10/16 09:06	09/28/16 14:11	50

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	67000	E	340	110	ng/L		09/10/16 09:06	09/28/16 18:33	100
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
¹³ C4 PFOS	138		25 - 150				09/10/16 09:06	09/28/16 18:33	100

Client Sample Results

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-4R

Date Collected: 09/06/16 18:00

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-17

Matrix: Water

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	200	B	2.1	0.38	ng/L		09/10/16 09:06	09/27/16 19:16	1
Perfluoroheptanoic acid (PFHpA)	230		2.1	0.67	ng/L		09/10/16 09:06	09/27/16 19:16	1
Isotope Dilution		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C4-PFHpA		34		25 - 150			09/10/16 09:06	09/27/16 19:16	1
13C4 PFBA		26		25 - 150			09/10/16 09:06	09/27/16 19:16	1

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	1200		100	33	ng/L		09/10/16 09:06	09/28/16 14:26	50
Perfluoropentanoic acid (PFPeA)	700		100	41	ng/L		09/10/16 09:06	09/28/16 14:26	50
Perfluorooctanoic acid (PFOA)	650		100	31	ng/L		09/10/16 09:06	09/28/16 14:26	50
Perfluorobutanesulfonic acid (PFBS)	250		100	39	ng/L		09/10/16 09:06	09/28/16 14:26	50
Perfluorohexanesulfonic acid (PFHxS)	5500		100	37	ng/L		09/10/16 09:06	09/28/16 14:26	50
Isotope Dilution		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C2 PFHxA		180	*	25 - 150			09/10/16 09:06	09/28/16 14:26	50
13C4 PFOA		204	*	25 - 150			09/10/16 09:06	09/28/16 14:26	50
18O2 PFHxS		227	*	25 - 150			09/10/16 09:06	09/28/16 14:26	50
13C5-PFPeA		199	*	25 - 150			09/10/16 09:06	09/28/16 14:26	50

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	120000	E	340	110	ng/L		09/10/16 09:06	09/28/16 14:19	100
Isotope Dilution		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
13C4 PFOS		72		25 - 150			09/10/16 09:06	09/28/16 14:19	100

Client Sample Results

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-3R

Date Collected: 09/06/16 18:30

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-18

Matrix: Water

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	510		2.1	0.63	ng/L		09/10/16 09:06	09/27/16 19:24	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFOA	48		25 - 150				09/10/16 09:06	09/27/16 19:24	1

Method: 537 (Modified) - Perfluorinated Hydrocarbons - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	750	B	110	19	ng/L		09/10/16 09:06	09/28/16 14:34	50
Perfluorohexanoic acid (PFHxA)	2000		110	33	ng/L		09/10/16 09:06	09/28/16 14:34	50
Perfluoroheptanoic acid (PFHpA)	530		110	34	ng/L		09/10/16 09:06	09/28/16 14:34	50
Perfluoropentanoic acid (PFPeA)	3000		110	42	ng/L		09/10/16 09:06	09/28/16 14:34	50
Perfluorobutanesulfonic acid (PFBS)	1200		110	39	ng/L		09/10/16 09:06	09/28/16 14:34	50
Perfluorohexanesulfonic acid (PFHxS)	2600		110	37	ng/L		09/10/16 09:06	09/28/16 14:34	50
Perfluorooctanesulfonic acid (PFOS)	2100		170	54	ng/L		09/10/16 09:06	09/28/16 14:34	50
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFHxA	187	*	25 - 150				09/10/16 09:06	09/28/16 14:34	50
18O2 PFHxS	217	*	25 - 150				09/10/16 09:06	09/28/16 14:34	50
13C4 PFOS	215	*	25 - 150				09/10/16 09:06	09/28/16 14:34	50
13C4-PFHpA	174	*	25 - 150				09/10/16 09:06	09/28/16 14:34	50
13C5-PFPeA	194	*	25 - 150				09/10/16 09:06	09/28/16 14:34	50
13C4 PFBA	179	*	25 - 150				09/10/16 09:06	09/28/16 14:34	50

Isotope Dilution Summary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	3C2 PFHx (25-150)	3C4 PFO (25-150)	3O2 PFHx (25-150)	3C4 PFO (25-150)	3C4-PFHp (25-150)	3C5-PFPe (25-150)	3C4 PFB (25-150)
320-21576-14	MW-1R	64	46	70		47		35
320-21576-15	MW-1R (DUP)	65	47	71		48		36
320-21576-16 - DL	MW-2R	95	113	141		91	103	100
320-21576-17	MW-4R					34		26
320-21576-17 - DL	MW-4R	180 *	204 *	227 *			199 *	
320-21576-18	MW-3R		48					

Surrogate Legend

13C2 PFHxA = 13C2 PFHxA
13C4 PFOA = 13C4 PFOA
18O2 PFHxS = 18O2 PFHxS
13C4-PFHpA = 13C4-PFHpA
13C5-PFPeA = 13C5-PFPeA
13C4 PFBA = 13C4 PFBA

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	3O2 PFHx (25-150)	3C4 PFO (25-150)	3C5-PFPe (25-150)
320-21576-14 - DL	MW-1R	135	132	78
320-21576-15 - DL	MW-1R (DUP)	286 *	278 *	183 *

Surrogate Legend

18O2 PFHxS = 18O2 PFHxS
13C4 PFOS = 13C4 PFOS
13C5-PFPeA = 13C5-PFPeA

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	3C4 PFO (25-150)
320-21576-16 - DL2	MW-2R	138
320-21576-17 - DL2	MW-4R	72

Surrogate Legend

13C4 PFOS = 13C4 PFOS

Method: 537 (Modified) - Perfluorinated Hydrocarbons

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	3C2 PFHx (25-150)	3O2 PFHx (25-150)	3C4 PFO (25-150)	3C4-PFHp (25-150)	3C5-PFPe (25-150)	3C4 PFB (25-150)
320-21576-18 - DL	MW-3R	187 *	217 *	215 *	174 *	194 *	179 *

Surrogate Legend

13C2 PFHxA = 13C2 PFHxA

TestAmerica Sacramento

Isotope Dilution Summary

Client: Hyde Environmental, Inc.

Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

18O2 PFHxS = 18O2 PFHxS

13C4 PFOS = 13C4 PFOS

13C4-PFHpA = 13C4-PFHpA

13C5-PFPeA = 13C5-PFPeA

13C4 PFBA = 13C4 PFBA

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QC Association Summary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

LCMS

Prep Batch: 126548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-21576-14 - DL	MW-1R	Total/NA	Water	3535	
320-21576-14	MW-1R	Total/NA	Water	3535	
320-21576-15 - DL	MW-1R (DUP)	Total/NA	Water	3535	
320-21576-15	MW-1R (DUP)	Total/NA	Water	3535	
320-21576-16 - DL	MW-2R	Total/NA	Water	3535	
320-21576-16 - DL2	MW-2R	Total/NA	Water	3535	
320-21576-17	MW-4R	Total/NA	Water	3535	
320-21576-17 - DL	MW-4R	Total/NA	Water	3535	
320-21576-17 - DL2	MW-4R	Total/NA	Water	3535	
320-21576-18 - DL	MW-3R	Total/NA	Water	3535	
320-21576-18	MW-3R	Total/NA	Water	3535	

Analysis Batch: 129481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-21576-14	MW-1R	Total/NA	Water	537 (Modified)	126548
320-21576-15	MW-1R (DUP)	Total/NA	Water	537 (Modified)	126548
320-21576-17	MW-4R	Total/NA	Water	537 (Modified)	126548
320-21576-18	MW-3R	Total/NA	Water	537 (Modified)	126548

Analysis Batch: 129688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-21576-14 - DL	MW-1R	Total/NA	Water	537 (Modified)	126548
320-21576-15 - DL	MW-1R (DUP)	Total/NA	Water	537 (Modified)	126548
320-21576-16 - DL	MW-2R	Total/NA	Water	537 (Modified)	126548
320-21576-17 - DL2	MW-4R	Total/NA	Water	537 (Modified)	126548
320-21576-17 - DL	MW-4R	Total/NA	Water	537 (Modified)	126548
320-21576-18 - DL	MW-3R	Total/NA	Water	537 (Modified)	126548

Analysis Batch: 129691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-21576-16 - DL2	MW-2R	Total/NA	Water	537 (Modified)	126548

Lab Chronicle

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-1R

Date Collected: 09/06/16 16:20

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			303.1 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)		1			129481	09/27/16 18:24	SBC	TAL SAC
Total/NA	Prep	3535	DL		303.1 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL	50			129688	09/28/16 13:56	SBC	TAL SAC

Client Sample ID: MW-1R (DUP)

Date Collected: 09/06/16 16:20

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			302.8 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)		1			129481	09/27/16 18:31	SBC	TAL SAC
Total/NA	Prep	3535	DL		302.8 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL	50			129688	09/28/16 14:04	SBC	TAL SAC

Client Sample ID: MW-2R

Date Collected: 09/06/16 17:15

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		296.9 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL	50			129688	09/28/16 14:11	SBC	TAL SAC
Total/NA	Prep	3535	DL2		296.9 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL2	100			129691	09/28/16 18:33	CBW	TAL SAC

Client Sample ID: MW-4R

Date Collected: 09/06/16 18:00

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			297.9 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)		1			129481	09/27/16 19:16	SBC	TAL SAC
Total/NA	Prep	3535	DL2		297.9 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL2	100			129688	09/28/16 14:19	SBC	TAL SAC
Total/NA	Prep	3535	DL		297.9 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL	50			129688	09/28/16 14:26	SBC	TAL SAC

Client Sample ID: MW-3R

Date Collected: 09/06/16 18:30

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			295.3 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Client Sample ID: MW-3R

Date Collected: 09/06/16 18:30

Date Received: 09/08/16 09:55

Lab Sample ID: 320-21576-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	537 (Modified)		1			129481	09/27/16 19:24	SBC	TAL SAC
Total/NA	Prep	3535	DL		295.3 mL	0.5 mL	126548	09/10/16 09:06	HJA	TAL SAC
Total/NA	Analysis	537 (Modified)	DL	50			129688	09/28/16 14:34	SBC	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Certification Summary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Laboratory: TestAmerica Sacramento

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-17
Oregon	NELAP	10	4040	01-29-17

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Method Summary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Method	Method Description	Protocol	Laboratory
537 (Modified)	Perfluorinated Hydrocarbons	EPA	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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Sample Summary

Client: Hyde Environmental, Inc.
Project/Site: Fort McCoy PFAS FTBP3

TestAmerica Job ID: 320-21576-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-21576-14	MW-1R	Water	09/06/16 16:20	09/08/16 09:55
320-21576-15	MW-1R (DUP)	Water	09/06/16 16:20	09/08/16 09:55
320-21576-16	MW-2R	Water	09/06/16 17:15	09/08/16 09:55
320-21576-17	MW-4R	Water	09/06/16 18:00	09/08/16 09:55
320-21576-18	MW-3R	Water	09/06/16 18:30	09/08/16 09:55

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Chain of Custody Record

Client Information		Sampler: <i>Can Solvers</i>		Lab PM: Fredrick, Sandie J		Carrier Tracking No(s):		COC No: 320-12373-2794.3	
Client Contact: Jim Lindemann		Phone:		E-Mail: sandie.fredrick@testamericainc.com				Page: Page 3 of 3	
Company: Hyde Environmental, Inc.				Analysis Requested				Job #:	
Address: W175 N11163 Stonewood Drive Suite 110		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA_DOD5 - PFAS, Method 637 Client Specific List		Total Number of Containers		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
City: Germantown		TAT Requested (days):							
State, Zip: WI, 53022		PO #:							
Phone: 262-227-5878(Tel)		Purchase Order Requested							
Email: jclindemann@hyde-env.com		WO #:							
Project Name: Fort McCoy PFAS		Project #: 32008436							
Site: <i>Fort McCoy FTBPS</i>		SSOW#:							
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab) <small>BT=Tissue, A=Air</small>	Matrix (W=water, S=solid, O=waste/oil)	Preservation Code:		Special Instructions/Note:	
<i>MW-1R</i>		<i>9/6/16</i>	<i>1620</i>	<i>G</i>	<i>Water</i>	<i>N</i>			
<i>MW-1R (DUP)</i>		<i>9/7/16</i>	<i>1620</i>	<i>G</i>	<i>Water</i>	<i>N</i>			
<i>MW-2R</i>		<i>9/7/16</i>	<i>1715</i>	<i>G</i>	<i>Water</i>	<i>N</i>			
<i>MW-4R</i>		<i>9/7/16</i>	<i>1800</i>	<i>G</i>	<i>Water</i>	<i>N</i>			
<i>MW-3R</i>		<i>9/7/16</i>	<i>1830</i>	<i>G</i>	<i>Water</i>	<i>N</i>			
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:				
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
<i>[Signature]</i>		<i>9/7/16; 1230pm</i>		<i>HEI</i>		<i>G-27.2K</i>		<i>9/8/16 0955</i>	
Reinquired by:		Date/Time:		Company:		Received by:		Date/Time:	
<i>[Signature]</i>		<i>9/7/16; 1230pm</i>		<i>HEI</i>		<i>G-27.2K</i>		<i>9/8/16 0955</i>	
Reinquired by:		Date/Time:		Company:		Received by:		Date/Time:	
<i>[Signature]</i>		<i>9/7/16; 1230pm</i>		<i>HEI</i>		<i>G-27.2K</i>		<i>9/8/16 0955</i>	
Custody Seals Intact:		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: <i>40</i>					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No									

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10/3/2016



Login Sample Receipt Checklist

Client: Hyde Environmental, Inc.

Job Number: 320-21576-2

Login Number: 21576

List Source: TestAmerica Sacramento

List Number: 1

Creator: Turpen, Troy

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	ESS Seals
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

