Attachment 2

Chains of Custody

E240301

USEPA Region 4 COC (REGION COPY)

DateShipped:
CarrierName:
AirbillNo:

CHAIN OF CUSTODY RECORD

Flash Cleaners Pompano Beach FL/FL
Project Number: 24-0006
Cooler #: 2

No: 01/07/2024-0001

Lab: Region 4 Lab
Lab Contact: Mike Beall
Lab Phone: 706-355-8856

	Sample Identifier	CLP Sample No.	Media/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	Sample Type
-03	FCMW03-0124		Groundwater/ Whiting, Paula	Grab	PFAS(35)	A (Ice) (2) ✓	FCMW03	01/12/2024 09:55	Field Sample
-04	FCMW06-0124		Groundwater/ Whiting, Paula	Grab	PFAS(35), VOA(35)	A (Ice), B (HCl pH <2) (5) ✓	FCMW06	01/12/2024 11:40	Field Sample
-05	FCMW06D-0124		Groundwater/ Whiting, Paula	Grab	PFAS(35), VOA(35)	A (Ice), B (HCl pH <2) (5) ✓	FCMW06	01/12/2024 11:45	Field Sample
-06	FCMW07-0124		Groundwater/ Fortson, Don	Grab	PFAS(35)	A (Ice) (2) ✓	FCMW07	01/12/2024 12:40	Field Sample
-07	FCMW10-0124		Groundwater/ Fortson, Don	Grab	PFAS(35)	A (Ice) (2) ✓	FCMW10	01/12/2024 11:35	Field Sample
-08	FCMW23-0124		Groundwater/ Fortson, Don	Grab	PFAS(35), VOA(35)	A (Ice), B ~~(Ice)~~ (10) (HCl pH<2) ✓	FCMW23	01/12/2024 10:10	Field Sample
-01	TB010124		Trip Blank Water/ Whiting, Paula	Grab	PFAS(35)	1/16/24 A (Ice) (1) ✓	#R4DART#	01/12/2024 08:00	Trip Blank
-02	TBV010124		Trip Blank Water/ Whiting, Paula	Grab	VOA(35)	A (HCl pH <2) (2) ✓	#R4DART#	01/12/2024 08:00	Trip Blank

Special Instructions:	**Shipment for Case Complete? N**
	Samples Transferred From Chain of Custody #

Analysis Key: PFAS=(PFAS) Method 1633, VOA=(VOA) Volatile Organics

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
29 Cont.	Paula Whitty LSASD	1/13/24	Coral Ruiz EPA R4 LSASD	01/16/24 0830	Good

SAMPLE RECEIPT CHECKLIST

Project Number/Name:	24 - 0006 / Flash Cleaners		
Work Order (s):	E240301		
Received by:	Coral Ruiz	Date/Time:	1/16/24 / 8:30
Logged/Assisted by (if other):	Mike Beall		
Samples shipped	UPS Fed Ex Walk in Other		
Cooler Temperature indicator bottle	Therm #340 Cooler Temp: 4.37°C	Absent not required *(list reason)	Temperature taken by Paula Whiting on 1/13/24 1531.
Custody Seals	Present Absent		
Custody Seals Intact?	Yes No N/A		
CoC present	Yes No		
Ice in Cooler	Present Absent Placed in cooler after ice removed	not required *(list reason)	
Were sample containers intact?	Yes No		
Samples & C of C match?	Yes No		
CoC/Labels agree	Yes No		
All analysis specified on chain of custody?	Yes No		

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SAMPLE RECEIPT CHECKLIST

Was XML file received?	yes no	
Any issues with XML file?	yes no	
Did Project leader need to be contacted?	yes no	Checking VOA preservative for one sample
Was project converted from R4LIMS to Element?	yes no	
Were all project analyses correct/present in Element cross?	yes no	

Additional Notes:

QAM Signature (or designee):_____ Date:_____

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SAMPLE RECEIPT CHECKLIST

Project Number/Name: 24-0006 Flash Cleaners			
Work Order (s):			
Received by: Paula Whiting		Date/Time: 1/13/24 1531	
Logged/Assisted by (if other):			
Samples shipped	UPS Fed Ex Walk in Other		
Cooler Temperature indicator bottle	Therm # 340 Cooler Temp: 4.37°C	Absent not required *(list reason)	
Custody Seals	Present Absent		
Custody Seals Intact?	Yes No		
CoC present	Yes No		
Ice in Cooler	Present Absent Placed in cooler after ice removed	not required *(list reason)	
Were sample containers intact?	Yes No		
Samples & C of C match?	Yes No		
CoC/Labels agree	Yes No		
All analysis specified on chain of custody?	Yes No		

E240301

Beall, Mike

From: Whiting, Paula
Sent: Tuesday, January 16, 2024 10:08 AM
To: R4SampleCustody
Cc: Beall, Mike; Roberts, Michael G.; Fortson, Don
Subject: Re: 24-0006 Flash Cleaners

Good Morning Coral,

Don Fortson will come and initial the change for me. All VOC vials were preserved with HCl and stored in ice. The missing preservative for FCMW23 in Scribe was done by me. Thank you and Mr. Beal for catching that.

Respectfully,

Paula A Whiting
Environmental Engineer
Hazardous Waste Section
Field Service Branch
Laboratory Services & Applied Science Division
US Environmental Protection Agency - Region IV
980 College Station Road
Athens, GA 30605
Phone: 706-355-8625
EPA Cell: 706-818-5926

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On Jan 16, 2024, at 8:04 AM, R4SampleCustody <R4SampleCustody@epa.gov> wrote:

Hi Paula,

I'm logging in this project and we noticed one of the samples (FCMW23-0124) does not have the preservative for the VOA sample on the chain. Wanted to verify if this is correct or not?

Thanks,

Coral

From: Whiting, Paula <Whiting.Paula@epa.gov>
Sent: Friday, January 12, 2024 6:57 PM
To: R4SampleCustody <R4SampleCustody@epa.gov>
Cc: Beall, Mike <Beall.Mike@epa.gov>; Roberts, Michael G. <Roberts.MichaelG@epa.gov>
Subject: 24-0006 Flash Cleaners

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Good Evening Mike,

Fourteen (14) 250 ml vials and twelve (12) 40 ml vials will be delivered on January 13th and placed in the cooler. The signed COC will be placed on your desk. Please let me know if the .xml file is accessible.

Respectfully,

Paula A Whiting
Environmental Engineer
Hazardous Waste Section
Field Service Branch
Laboratory Services & Applied Science Division
US Environmental Protection Agency - Region IV
980 College Station Road
Athens, GA 30605
Phone: 706-355-8625
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Beall, Mike

From: Spidle, David
Sent: Wednesday, January 17, 2024 4:42 PM
To: Beall, Mike
Cc: Trapp, Kristin (she/her/hers); Giles, John; Namini, Carl (he/him/his)
Subject: Flash Cleaners

Mike, can you add TSS analysis to the Flash Cleaners water samples? We need this for the PFAS analysis.

David Spidle

Organic Chemistry Section Supervisor
U.S. EPA\Region IV\LSASD\LSB\OCS
980 College Station Rd
Athens, GA 30605

Phone: 706.355.8130
e-mail: spidle.david@epa.gov

WORK ORDER

Printed: 1/18/2024 9:02:02AM

E240301

US-EPA, Region 4, LSASD

Client:	**Superfund Remedial (302DD2, 303DD2, 000DD2)**	**Project Number:**	**24-0006**
Project:	**Flash Cleaners Well Rebuild - PWHITING**	**Acct # / Location:**	**000DD2 - SF: Remedial Pompano Beach FL**

Project Leader:	**Whiting, Paula**	**Date Due:**	**02/20/24 (35 day TAT)**
Received By:	Ruiz, Coral	Date Received:	01/16/24 08:30
Logged In By:	Ruiz, Coral	Date Logged In:	01/16/24 09:05

Samples Received at: **4.4°C**

D.A.R.T. Project ID: 24-0006
Program/Activity: ESIRI
Site/Waterbody: FLASH CLEANERS (083111005)

Analysis	Due	TAT	Expires	Comments
E240301-01 TB010124 / [Water / Trip Blank - Water] Sampled 01/12/24 08:00				
A = 250mL Plastic				
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
E240301-02 TBV010124 / [Water / Trip Blank - Water] Sampled 01/12/24 08:00				
A = 40mL Clear Vial *B = 40mL Clear Vial*				
VOA Scan (Routine)	02/20/24 00:00	35	01/26/24 08:00	
E240301-03 FCMW03-0124 / FCMW03 [Water / Groundwater] Sampled 01/12/24 09:55				
A = 250mL Plastic *B = 250mL Plastic*				
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
E240301-04 FCMW06-0124 / FCMW06 [Water / Groundwater] Sampled 01/12/24 11:40				
HazInfo: Vinyl chloride [3646.8ug/L];Trichloroethene (Trichloroethylene) [2762.8ug/L];Tetrachloroethene (Tetrachloroethylene) [2848ug/L]				
A = 250mL Plastic *B = 250mL Plastic* *C = 40mL Clear Vial* *D = 40mL Clear Vial* *E = 40mL Clear Vial*				
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
VOA Scan (Routine)	02/20/24 00:00	35	01/26/24 11:40	
E240301-05 FCMW06D-0124 / FCMW06 [Water / Groundwater] Sampled 01/12/24 11:45				
HazInfo: Vinyl chloride [3471.6ug/L];Trichloroethene (Trichloroethylene) [2546.8ug/L];Tetrachloroethene (Tetrachloroethylene) [2486.8ug/L]				
A = 250mL Plastic *B = 250mL Plastic* *C = 40mL Clear Vial* *D = 40mL Clear Vial* *E = 40mL Clear Vial*				
VOA Scan (Routine)	02/20/24 00:00	35	01/26/24 11:45	
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	
E240301-06 FCMW07-0124 / FCMW07 [Water / Groundwater] Sampled 01/12/24 12:40				
A = 250mL Plastic *B = 250mL Plastic*				
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	

WORK ORDER

Printed: 1/18/2024 9:02:02AM

E240301

US-EPA, Region 4, LSASD

Client:	**Superfund Remedial (302DD2, 303DD2, 000DD2)**	**Project Number:**	**24-0006**
Project:	**Flash Cleaners Well Rebuild - PWHITING**	**Acct # / Location:**	**000DD2 - SF: Remedial Pompano Beach FL**

Analysis	Due	TAT	Expires	Comments
E240301-07 FCMW10-0124 / FCMW10 [Water / Groundwater] Sampled 01/12/24 11:35				
A = 250mL Plastic	*B = 250mL Plastic*			
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	
E240301-08 FCMW23-0124 / FCMW23 [Water / Groundwater] Sampled 01/12/24 10:10				
A = 250mL Plastic	*B = 250mL Plastic*	*C = 250mL Plastic*	*D = 250mL Plastic*	
E = 40mL Clear Vial	*F = 40mL Clear Vial*	*G = 40mL Clear Vial*	*H = 40mL Clear Vial*	
I = 40mL Clear Vial	*J = 40mL Clear Vial*			
VOA Scan (Routine)	02/20/24 00:00	35	01/26/24 10:10	
Solids, TSS Water (Routine)	02/20/24 00:00	35	01/19/24 23:59	
PFAS by 1633	02/20/24 00:00	35	02/09/24 23:59	

Analysis packages included in this work order

VOA Scan (Routine)

v VOA TICS-2 v VOA Scan-2