Pace Analytical Services, LLC
315 Chestnut Street
Virginia, MN 55792
(218) 742-1042

Laboratory Report

[redacted]

WO#: 1276564
PM: HRZ Due Date: 10/21/16
CLIENT: NTS-Dave J

Environmental Science & Engineering

Chain of Custody Record

Page: 1 of 1

526 CHESTNUT STREET
VIRGINIA, MINNESOTA 55792
218-741-4290 * FAX 218-741-4291

COC#:

CLIENT NAME, ADDRESS, PHONE#: US Steel MinnTac

REPORT TO: Tom Moe - USS Minntac
Scott Seeley - NTS, 218-742-1028

SAMPLER: Corey
PROJECT: NPDES Data Gaps Monitoring
PROJ. NO: 10170C
PERMIT REQ.: Yes
MONTH: October 2016

TYPE & # CONTAINERS

LOG-IN	SAMPLE #	DESCRIPTION	COLLECTION: DATE	TIME	MATRIX: LIQ	SOL	Filtered	General - 1 Liter plastic	Metals - 500 ml HNO3 (total)	Metals - 250 ml HNO3 (dissolved)	LL Mercury Bottles	1000 mL Glass Amber	Nutrients - 500 mL H2SO4	(3) 40mL Vials - HCl	pH (SU) Field	Sp. Cond. us/cm Field	Temperature (°C) Field	Field	Comments: ANALYSIS:
	SW-001	Sand River Station 701	10/7/16	910	X		N	1	1						7.30	442.6	9.08		Bicarbonates, Cl, SO4, Ca, Mg

RELINQUISHED BY: Corey Andrews DATE: 10/7/16 TIME: 1148
RECEIVED BY: DATE: TIME:
RELINQUISHED BY: DATE: TIME:
RECEIVED BY: DATE: TIME:
RECEIVED FOR LAB BY: TEMP AT ARRIVAL: 4.9 °C
DATE: 10-7-16 TIME: 11:48

REPORT DATE: 2 weeks from submittal

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: 23Feb2015 Page 1 of 1
	Document No.: F-VM-C-001-Rev.09	Issuing Authority: Pace Virginia, Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: NTS

Project #:

WO#: 1276564

1276564

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number:

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other: Temp Blank? ☑ Yes ☐ No

Thermometer Used: ☑ 140792808 Type of Ice: ☑ Wet ☐ Blue ☐ None ☑ Samples on ice, cooling process has begun

Cooler Temp Read °C: 4.6 Cooler Temp Corrected °C: 4.9 Biological Tissue Frozen? ☐ Yes ☐ No ☑ NA

Temp should be above freezing to 6°C Correction Factor: 0.3 Date and Initials of Person Examining Contents: CA 10-7-16

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved containers.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.
-Includes Date/Time/ID/Analysis Matrix: WT				
All containers needing acid/base preservation will be checked and documented in the pH logbook.	☑ Yes	☐ No	☐ N/A	See pH log for results and additional preservation documentation
Headspace in Methyl Mercury Container	☐ Yes	☐ No	☑ N/A	13.
Headspace in VOA Vials (>6mm)?	☐ Yes	☐ No	☑ N/A	14.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if purchased):				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

FECAL WAIVER ON FILE Y N TEMPERATURE WAIVER ON FILE Y N

Project Manager Review: Date: 10/7/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)