

September 13, 2019

Arcelor Mittal USA, Inc. 250 W US Highway 12 Burns Harbor, IN 46304-9745

Work Order No.: 19I0790

Re: NPDES Excusrion Sampling

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 2 sample(s) on 9/13/2019 10:45:00AM for the analyses presented in the following report as Work Order 19/0790.

The enclosed results were obtained from and are applicable to the sample(s) as received at the laboratory. All sample results are reported on an "as received" basis unless otherwise noted.

All data included in this report have been reviewed and meet the applicable project specific and certification specific requirements, unless otherwise noted. A qualifications page is included in this report and lists the programs under which Microbac maintains certification.

This report has been paginated in its entirety and shall not be reproduced except in full, without the written approval of Microbac Laboratories.

We appreciate the opportunity to service your analytical needs. If you have any questions, please contact your project manager. For any feedback, please contact Ron Misiunas, Division Manager, at ron.misiunas@microbac.com.

Sincerely, Microbac Laboratories, Inc.

Carup Macizala

Carey Gadzala Project Manager

Microbac Laboratories, Inc. 250 West 84th Drive | Merrillville, IN 46410 | 800.536.8379 p | 219.769.8378 p | 219.769.1664 f | www.microbac.com



	ER SAMPLE SUMMARY		Date:	Friday, September 13, 2019
Project: N	rcelor Mittal USA, Inc. PDES Excusrion Sampling 9I0790			
Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
1910790-01	002-Grab	002	09/13/2019 00:00	9/13/2019 10:45:00AM
1910790-02	002-Composite	002	09/13/2019 00:00	9/13/2019 10:45:00AM

Analytical Results Friday, September 13, 2019 Date: Arcelor Mittal USA, Inc. **Client:** NPDES Excusrion Sampling **Client Project:** 002-Grab Work Order/ID: 1910790-01 **Client Sample ID:** 002 09/13/2019 0:00 Sample Description: Sampled: Matrix: Aqueous **Received:** 09/13/2019 10:45 Certs AT Result RL Units DF Analyses Qual Analyzed Method: EPA 1664B Analyst: KMT Oil & Grease (HEM) by SPE Prep Method: EPA 1664B Prep Date/Time: 09/13/2019 08:31 Oil & Grease (HEM) dij А ND 5.0 mg/L 1 09/13/2019 8:31

Analytical Results Friday, September 13, 2019 Date: Arcelor Mittal USA, Inc. **Client:** NPDES Excusrion Sampling **Client Project:** 002-Composite Work Order/ID: 1910790-02 **Client Sample ID:** 002 Sampled: 09/13/2019 0:00 Sample Description: 09/13/2019 10:45 Aqueous Matrix: **Received:** Certs AT Result RL Units DF Analyses Qual Analyzed Method: SM 4500-CN C/E-1999 Analyst: ABG **Total Cyanide** Prep Method: NA Prep Date/Time: 09/13/2019 11:41 Cyanide, Total dij А ND 0.0050 mg/L 1 09/13/2019 14:23

A,B = Target Analyte I = Internal Standard

- M = Summation Analyte
- S = Surrogate

T = Tentatively Identified Compound (TIC, concentration estimated)

QC SAMPLE IDENTIFICATIONS

BLK = Method Blank DUP = Method Duplicate BS = Method Blank Spike MS = Matrix Spike ICB = Initial Calibration Blank CCB = Continuing Calibration Blank CRL = Client Required Reporting Limit PDS = Post Digestion Spike QCS = Quality Control Standard ICSA = Interference Check Standard "A" ICSAB = Interference Check Standard "AB" BSD = Method Blank Spike Duplicate MSD = Matrix Spike Duplicate ICV = Initial Calibration Verification CCV = Continuing Calibration Verification OPR = Ongoing Precision and Recovery Standard SD = Serial Dilution

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CERTIFICATIONS (Certs)

Below is a list of certifications maintained by the Microbac Merrillville Laboratory. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. Complete lists of individual analytes pursuant to each certification below are available upon request.

- d Illinois EPA drinking water, wastewater and solid waste analysis (#200064)
- ⁱ Kansas Dept Health & Env. NELAP (#E-10397)
- j Kentucky Wastewater Laboratory Certification Program (#108202)

FLAGS, FOOTNOTES AND ABBREVIATIONS (as needed)

RL:	Reporting Limit
RPD:	Relative Percent Difference

Comments

Cooler ID: Default Cooler

M^{5.9°C}ROBAC®

No time on sample container. Sample preserved at lab

Cooler Inspection Checklist

Ice Present or not required?	No
Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes
Chain of Custody (COC) Present?	Yes
COC includes customer information?	No
Relinguished and received signature on COC?	Yes
Sample collector identified on COC?	Yes
Sample type identified on COC?	Yes
Correct type of Containers Received	Yes
Correct number of containers listed on COC?	Yes
Containers Intact?	Yes
COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes
Sample labels match COC (Name, Date & Time?)	No
Samples arrived within hold time?	Yes
Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes
Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes

Lab Report Address Client Name: $A_{\mathcal{M}}$ Address:	Aveler - Hal		Invoice Address Client Name: Address:		5-			Turnaround Time Routine (5 to 7 business days) RUSH* (notify lab)	l Time (5 to 7 l notify lab	business o	lays)	Instructions on back TO BE COMPLETED BY MICROBA Temperature Upon Receipt (°C) Therm ID Holding Time	Instructions on back Instructions on back TO BE COMPLETED BY MICROBAC Temperature Upon Receipt (°C) Therm ID Holding Time	AICROBAC Lipt (°C) 6.2	d de
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Send Report via: Project:	Mail TFax	L e-mail (address)	Location:			Send Invoice via: PO No.:		🗌 Mail 📋 Fax		Compliance Mc	-mail (address) Compliance Monitoring?	ring? TYes	s []		
Sampled by (PRINT): * Mi ** Preserva	y (PRINT): しんしょくしょ そんしょう の Sampler Signat * Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCI, (4) NaOH, (5) Zir	(5), Sludge, Oil, Wipe, D (2) H2SO4, (3) HCI, (4	Sampler Signature: Drinking Water (DW) 4) NaOH, (5) Zinc A	e: W), Grou Acetate	Indwater 9, (6) Me	ure: Sampler Phone No.: DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify) nc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved REOUESTED ANALYSIS	S Water (SW ium Bisulfa	Sampler Phone No.: V), Waste Water (W ate, (8) Sodium Thi REOUES	None No.: Water (M dium Thi	ne No.: ater (WW), Other (spe um Thiosulfate, (9) He REOUESTED ANALYSIS	 (specify) 9) Hexane 	, (U) Unpres	erved		
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