

August 21, 2019

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

Work Order No.: 19H1317

Re: NPDES Excursion-O&G

Dear Teri Kirk:

Microbac Laboratories, Inc. - Chicagoland Division received 1 sample(s) on 8/21/2019 10:00:00AM for the analyses presented in the following report as Work Order 19H1317.

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



WORK ORI	DER SAMPLE SUMMARY		Date:	Wednesday, August 21, 201		
Client:	Arcelor Mittal USA, Inc.					
Project:	NPDES Excursion-O&G					
Lab Order:	I9H1317					
Lab Sample I	D Client Sample ID	Tag Number	Collection Date	Date Received		
19H1317-01	Outfall 002		08/20/2019 16:41	8/21/2019 10:00:00AM		

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Analytical Results

Date: Wednesday, August 21, 2019

Client: Client Project:	Arcelor Mittal USA, NPDES Excursion-0									
Client Sample ID:	Outfall 002							Work Or	der/ID:	19H1317-01
Sample Description:								Sample	d:	08/20/2019 16:41
Matrix:	Aqueous							Receive	d:	08/21/2019 10:00
Analyses		Certs	AT	Result		RL	Qual	Units	DF	Analyzed
				Method: EF	A 1664B				Ana	alyst: KMT
Oil & Grease (HEM) b		Prep Method: EPA 1664B			F	Prep Date/Time:08/21/2019 07:39				
Oil & Grease (HEM)		dij	Α		ND	Ę	5.0	mg/L	1	08/21/2019 14:40

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

Cooler Receipt Log

Comments

Cooler ID: Default Cooler

No times on sample containers. Sample preserved at lab

Cooler Inspection Checklist

Ice Present or not required?	Yes
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
Relinquished 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

		1	J										Q
CHAIN OF CUSTODY RECORD Number 152356 Instructions on back	IY MICROBAC	Temperature Upon Receipt (°C) 770.3	Holding Time	Samples Received on Ice? Scree 🗆 No 🗆 N/A	Custody Seals Intact?			ning?	W. 7585	a, (U) Unpreserved	19 HI317 Additional Notes	🗌 Return 📋 Archive	Bate/Time Bate/Time Bate/Time Bate/Time Bate/Time Date/Time Page 1 Bage 6 of 6
RUSHI	Turnaround Time	□ Routine (5 to 7 business days) □ RUSH* (notify lab)		(needed by)	Report Type	Results Only Level 1 Level 2	Send Invoice via: 🗌 Mail 🔲 Fax 🔲 e-mail (address)	PO No.: Compliance Monitoring?	Contraction of the second seco	(1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved	X OILA	Sample Disposition 🗌 Dispose as appropriate 🛛	Date/Time Received By (signature) 20/19 17;00/12 Received By (signature) 21/19 0230 75 - 60 Date/Time Received By (signature) 5/21/19 (000 Received By (signature)
	Invoice Address	Client Name:	Address:	City, State, Zip:	Contact:	Telephone No.:		Location:	Sampler Signature: Whan M. K.	4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (Date Time Collected Collec	On-Hazardous Radioactive	Relinquished By (signature) Date Relinquished By (signature) Bate Relinquished By (signature) Date
MICROBAC*	Lab Report Address	Client Name:	Address:	City, State, Zip:	Contact:	Telephone No.:	Send Report via: 🛛 Mail 🗌 Fax 🗍 e-mail (address)	Project: IDEN OF 002	Sampled by (PRINT): Patrice Gorman Sampler Signature: * Matrix Types: Soil/Solid (S), Sludge, Oli, Wipe, Drinking Water (DW),	** Preservative Types:	OH1317 Carey Gadzala rcelorMittal - Burns Harbor, IN pill Samples-O&G 8/21/2019	Possible Hazard Identification Comments	Samples in Fridge