

August 21, 2019

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

Work Order No.: 19H1316

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 19H1316.

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.

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WORK OR	DER	SAMPLE SUMMARY	Date:	Wednesday, August 21, 20				
Client: Project: Lab Order:		r Mittal USA, Inc. S Excursion-O&G i16						
Lab Sample 19H1316-01	ID	Client Sample ID Dock Corner	Tag Number	Collection Date 08/20/2019 13:10	Date Received 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-									
Client Sample ID:	Dock Corner					Work Or	der/ID:	19H1316-01		
Sample Description:								Sampleo	08/20/2019 13:10	
Matrix:	Aqueous							Receive	d:	08/21/2019 10:00
Analyses		Certs	AT	Result		RL	Qual	Units	DF	Analyzed
				Method: E	PA 1664B				Ana	alyst: KMT
Oil & Grease (HEM) b	I	Prep Method: E	PA 1664B			F	Prep Date/Time:08/21/2019 07:39			
Oil & Grease (HEM)		dij	A		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

les Dresent er net required?	Yes
Ice Present or not required?	
Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes
Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes
Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes
Sample type identified on COC?	No
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

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CHAIN OF CUSTODY RECORD Number 152321 Instructions on back	TO BE COMPLETED BY MICROBAC Temperature Upon Receipt (°C) Therm ID	Holding Time	Samples Received on Ice?	Custody Seals Intact?			ning?) s, (U) Unpreserved		1941316 Additional Notes	2/0	to			Return Archive	5 Bate/Time 0715	Dâte/Time	Date/Time	Parre Rade 6 Of 6
HSO	Turnaround Time Routine (5 to 7 business days) RUSH* (notify lab)		(needed by)	Report Type	Results Only Level 1 Level 2	Send Invoice via:	PO No.: Compliance Monitoring?	Sampler Phone No.:	Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify) (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved	Y1 S	Preservative	XX	>			Sample Disposition	Date/Time By (signature)	Date/Time Received By (signature)	ω	
	Invoice Address Client Name:	Address:	City, State, Zip:	Contact:	Telephone No.:	ress)	A Location:	W Sampler Signature: W	, Oil, Wipe, Drinking Water (DW), Groundwater (GW 4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methan	tainers	Collected Collec	9 1310 J N	8/20/19 1360 1 K			□ Non-Hazardous □ Radioactive	and the second s	Relinquished by (Signature)	Relinquished By (signature)	2
MICROBAC [*]	Lab Report Address Client Name: Arcclu wither	Address:	e, Zip:	Contact: (a 1) C c /)	Telephone No.:	Send Report via: 🛛 Mail 🗌 Fax 🗍 e-mail (address)	Project:		* Matrix Types: Soil/Solid (S), Sludge ** Preservative Types: (1) HNO3, (2) H2SO.	9H1316 rcelorM pill Sam 8/21/201	Carey Client Sample D So S S S S S S S S S S S S S S S S S S	Sadz	arbor,			Possible Hazard Identification				rev.12/26/2017
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