September 17, 2019
Arcelor Mittal USA, Inc.
250 W US Highway 12
Burns Harbor, IN 46304-9745 Work Order No.: 1910957

## Re:NPDES Parameters

Dear Teri Kirk:
Microbac Laboratories, Inc. - Chicagoland Division received 6 sample(s) on 9/17/2019 10:05:00AM for the analyses presented in the following report as Work Order 1910957.

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.

## Caruy Olachala

Carey Gadzala<br>Project Manager

Client: Arcelor Mittal USA, Inc.
Project: NPDES Parameters
Lab Order: 1910957

| Lab Sample ID | Client Sample ID | Tag Number | Collection Date | Date Received |
| :---: | :---: | :---: | :---: | :---: |
| 1910957-01 | 001-Composite | 001 | 09/16/2019 00:00 | 9/17/2019 10:05:00AM |
| 1910957-02 | 001-Grab | 001 | 09/16/2019 00:00 | 9/17/2019 10:05:00AM |
| 1910957-03 | 011-Composite | 011 | 09/16/2019 00:00 | 9/17/2019 10:05:00AM |
| 1910957-04 | 011-Grab | 011 | 09/16/2019 00:00 | 9/17/2019 10:05:00AM |
| 1910957-05 | 002-Composite | 002 | 09/16/2019 00:00 | 9/17/2019 10:05:00AM |
| 1910957-06 | 002-Grab | 002 | 09/16/2019 00:00 | 9/17/2019 10:05:00AM |

Field Results
Date: Tuesday, September 17, 2019

| Client: <br> Client Project: | Arcelor Mittal USA, Inc. NPDES Parameters | Work Order: | 1910957 |
| :---: | :---: | :---: | :---: |
| Client Sample ID: | 001-Grab | Work Order/ID: | 1910957-02 |
| Sample Description: | 001 | Sampled: | 09/16/2019 00:00 |
| Matrix: | Aqueous | Received: | 09/17/2019 10:05 |
| Analyses |  | Result | Units |
| FLD_CL_TITR |  | 0.00 | mg/L |
| Client Sample ID: | 011-Grab | Work Order/ID: | 1910957-04 |
| Sample Description: | 011 | Sampled: | 09/16/2019 00:00 |
| Matrix: | Aqueous | Received: | 09/17/2019 10:05 |
| Analyses |  | Result | Units |
| FLD_CL_TITR |  | 0.00 | mg/L |

Date:
Tuesday, September 17, 2019


| Client: Client Project: | Arcelor Mi NPDES P | Inc. <br> rs |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Client Sample ID: | 001-Grab |  |  |  |  |  |  | Work | r/ID: | 1910957-02 |
| Sample Description: | 001 |  |  |  |  |  |  | Samp |  | 09/16/2019 0:00 |
| Matrix: | Aqueous |  |  |  |  |  |  | Recei |  | 09/17/2019 10:05 |
| Analyses |  | Certs | AT | Result | MDL | RL | Qual | Units | DF | Analyzed |
|  |  | Method:EPA 1664B |  |  |  |  |  |  | Analyst:KMT |  |
| Oil \& Grease (HEM) by SPE |  |  |  |  |  |  |  | Prep Date/Time:09/17/2019 07:36 |  |  |
| Oil \& Grease (HEM) |  | eij | A |  | 1.4 | 5.0 | U | $\mathrm{mg} / \mathrm{L}$ | 1 | 09/17/2019 14:20 |




| Client: <br> Client Project: | Arcelor Mittal USA, Inc. NPDES Parameters |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Client Sample ID: | 002-Composite 1910957-05 |  |  |  |  |  |  |  |  |  |
| Sample Description: | 002 |  |  |  |  |  |  | Samp |  | 09/16/2019 0:00 |
| Matrix: | Aqueous 09/17/2019 10:05 |  |  |  |  |  |  |  |  |  |
| Analyses |  | Certs | AT | Result | MDL | RL | Qual | Units | DF | Analyzed |
|  |  |  |  | Method | 4500-CN | E-1999 |  |  |  | st:ABG |
| Total Cyanide $\quad$ Prep Date/Time:09/17/2019 11:17 |  |  |  |  |  |  |  |  |  |  |
| Cyanide, Total |  | eij | A |  | 0.0020 | 0.0050 | U | mg/L | 1 | 09/17/2019 13:57 |


| Client: Client Project: | Arcelor Mi NPDES P | Inc. <br> rs |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Client Sample ID: | 002-Grab |  |  |  |  |  |  | Work Order/ID: <br> Sampled: <br> Received: |  | 1910957-06 |
| Sample Description: | 002 |  |  |  |  |  |  |  |  | 09/16/2019 0:00 |
| Matrix: | Aqueous |  |  |  |  |  |  |  |  | 09/17/2019 10:05 |
| Analyses |  | Certs | AT | Result MDL |  | RL | Qual | Units | DF | Analyzed |
|  |  | Method:EPA 1664B |  |  |  |  |  |  | Analyst:KMT |  |
| Oil \& Grease (HEM) by SPE |  |  |  |  |  |  |  |  | p Date | ne:09/17/2019 07:36 |
| Oil \& Grease (HEM) |  | eij | A |  | 1.4 | 5.0 | U | $\mathrm{mg} / \mathrm{L}$ | 1 | 09/17/2019 14:20 |

## 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

## 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)

MDL: Minimum Detection Limit
RL: Reporting Limit
RPD: Relative Percent Difference
$\mathrm{U}: \quad$ The analyte was analyzed for but was not detected above the reported quantitation limit. The quantitation limit has been adjusted for any dilution or concentration of the sample.

## Comments

No time

| 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? | Yes |
| 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? | No |
| 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 |

(5) MICROBAC*


[^0]Instructions on back
TO BE COMPLETED BY MICROBAC
Temperature Upon Receipt ( ${ }^{\circ} \mathrm{C}$ )
Therm ID
Holding Time
Samples Received on Ice? $\triangle \mathrm{Yes} \square \mathrm{No} \square \mathrm{N} / \mathrm{A}$
Custody Seals Intact? $\square \mathrm{Yes} \square$ No वि/A $\square$ Level 3 Level 4 edo
$\square$ Level $3 \square$ Level $4 \square$ EDP Send Invoice via: $\square$ Mail $\square$ Fax $\square$ e-mail (address)

PO No.: $\quad$ Compliance Monitoring? $\square$ Yes $\square$ No
:on әuoud derdures

## am! punoresun $\perp$ <br> (sKep ssou!snq $\angle$ of S) əu!pnoy $\square$

 $\square$ RUSH* (notify lab)CHAIN OF CUSTODY RECORD Number $\quad 152537$

Project:
e-mail (address) Report Type Report Type $\square$ Agency/Program
Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

$9 / 17 / 140800$ Date/Time
Sample Disposition $\square$ Dispose as appropriate $\square$ Return $\square$ Archive

## 0800

1005
$\frac{\text { Received By (signature) }}{\text { Received By (signature) }}$
Received By (signature)
Received By (signature) Pas
$\qquad$



## 

no $\ddagger 0$

I

## sıəu

sıəu!̣ezuo

$\square$ Radioactive

Date/Time lo or

$$
\begin{aligned}
& \begin{array}{r}
\text { 531 } \\
\text { pincoly } \\
\hline
\end{array} \\
& \text { - }
\end{aligned}
$$


[^0]:    Sampled by (PRINT): Sampler Signature:

