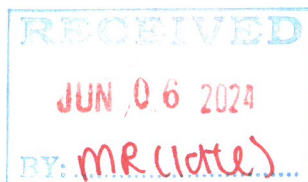




Oregon Department of Environmental Quality
Stormwater Program

Updated 1/6/2022



Discharge Monitoring Report

1200-Z Permit

National Pollutant Discharge Elimination System Permit
Industrial Stormwater Discharge General Permit

Instructions:

This report must be completed for each quarter and submitted by the 15th of February, May, August and November to the appropriate agent. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August. Sample for the pollutants at monitoring location(s) specified in your SWPCP and use the monitoring location(s) number from your SWPCP. You must include the laboratory results, including minimum detection level, Quality Assurance/Quality Control and analytical methods for the parameters analyzed. You must also submit pH field notes and chain of custody.

Facility Information

Legal name: The Standard Steel Companies

DEQ File No: n/a

Common name: Standard Steel

EPA #: ORRZ00020

Facility address: 1745 NE Columbia Blvd

Reporting Quarter: ☐ 1st ☐ 2nd ☒ 3rd ☐ 4th

*see
table 7

Facility City, Zip: Portland, OR 97211

Reporting Year: 2023 to 2024

Geo-Region: Columbia Slough 2nd Geo-Region: Select

Is your receiving water impaired for pH? No

Administered by:

- ☐ Clean Water Services
☒ City of Portland
☐ City of Eugene

Primary SIC Code: 5051

Secondary SIC Code:

Monitoring Information

Number of discharge point(s): 3

Number of monitoring location(s): 2

If different, you certify that the facility has established either: 1) the area has no exposure of stormwater to industrial activities, or 2) the effluent is substantially similar to effluent(s) monitored and the same BMPs are implemented and maintained. (See permit pg 23)

Monitoring Waiver(s) If yes list date on DEQ or Agent approval letter.

DMR Submittal Checklist

Please check all applicable documents are included with you DMR submittal:

- ☒ Original Signature ☐ Laboratory Reports ☐ Chain of Custody ☐ QA/QC form Lab ☐ pH field sheets

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations (40 CFR 122.22(d)).

Signature: 

Date: 5/30/2024

Printed Name: Nancy Fischer

Title: CFO

Legally Authorized Representative

Email: nfischer@standardsteelnw.com

Telephone : 503-282-9273



Oregon Department of Environmental Quality
Stormwater Program

Discharge Monitoring Report
1200-Z Permit

Updated 1/6/2022

State of Oregon
Department of
Environmental
Quality

For official use only:

Legal Name:

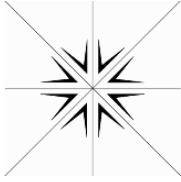
DEQ File No:

Instructions:

This report must be completed for each quarter and submitted by the 15th of February, May, August and November electronically through Your DEQ Online. The report must contain the results of all stormwater monitoring conducted during each quarter, and variance requests are due semi-annually, in February and August. Sample for the pollutants specified in your monitoring table provided by your DEQ at monitoring point(s) identified in your SWPCP. You must upload the laboratory results, including minimum detection level, Quality Assurance/Quality Control and analytical methods for the parameters analyzed. You must also submit pH field notes and chain of custody.

Columbia Slough

| Monitoring Location(s) | Sample Date | pH | Total Copper | Total Lead | Total Zinc | Total Suspended Solids | BOD ₅ | Total Phosphorus | E. coli | Total Iron |
|---|-------------|-------|--------------|------------|------------|------------------------|------------------|------------------|------------------|------------|
| | | s.u. | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | organisms/100 mL | mg/L |
| 003 | 10/16/23 | 6.8 | 0.00859 | 0.00167 | 0.0441 | 55 | 4.2 | 0.0538 | 167 | 1.06 |
| 003 | 12/05/23 | 7.5 | 0.0222 | 0.00542 | 0.106 | 81 | 3.9 | 0.212 | 14.6 | 2.63 |
| 003 | 03/12/24 | 6.8 | 0.00104 | 0.000726 | 0.0211 | ND(10) | 2.6 | 0.0538 | 5.2 | 0.312 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Geometric Mean | | | 0.0058 | 0.002 | 0.046 | 28 | 3 | 0.085 | 23 | 1 |
| 001 | 10/16/23 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 001 | 12/05/23 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 001 | 03/12/24 | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| | | | | | | | | | | |
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| Geometric Mean | | | | | | | | | | |
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| Geometric Mean | | | | | | | | | | |
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| | | | | | | | | | | |
| Geometric Mean | | | | | | | | | | |
| You must select if your receiving water is impaired for pH in the 'General' tab | | | | | | | | | | |
| Benchmarks | 5.5-9.0 | 0.017 | 0.10 | 0.240 | 30 | 24 | 0.16 | 406 | | 10 |
| 303(d) Limits | OOPS | 0.017 | 0.017 | 0.042 | | | | | | |



Specialty Analytical

9011 SE Jannsen Rd
Clackamas, OR 97015
TEL: (503) 607-1331

Website: www.specialtyanalytical.com

March 19, 2024

Gage Martin
The Standard Steel Companies
1745 NE Columbia Blvd
Portland, OR 97211
TEL: (971) 276-5578
FAX:

RE: TSSC

Order No.: 2403121

Dear Gage Martin:

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Marty French".

Marty French
Lab Director

Specialty Analytical

WO#: 2403121

Date Reported: 3/19/2024

CLIENT: The Standard Steel Companies
Project: TSSC

Lab ID: 2403121-001

Matrix: STORM WATER

Client Sample ID MP-003

Collection Date: 3/12/2024 8:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|----------|----------|------|-----------|-----------------|-----------------------------------|
| ICP/MS METALS- TOTAL RECOVERABLE | | | | | E200.8 | E200.8 Analyst: JRC |
| Copper | 0.00104 | 0.000500 | | mg/L | 1 | 3/14/2024 3:32:52 PM |
| Iron | 0.312 | 0.0500 | | mg/L | 1 | 3/14/2024 3:32:52 PM |
| Lead | 0.000726 | 0.000100 | | mg/L | 1 | 3/14/2024 3:32:52 PM |
| Zinc | 0.0211 | 0.00200 | | mg/L | 1 | 3/14/2024 3:32:52 PM |
| BIOLOGICAL OXYGEN DEMAND- 5 | | | | | SM5210B | Analyst: NK |
| BOD, 5 Day | 2.60 | 2.00 | | mg/L | 1 | 3/13/2024 3:35:33 PM |
| COLIFORMS | | | | | SM 9223B | Analyst: NK |
| E. COLI | 5.20 | 1.00 | | MPN/100ml | 1 | 3/12/2024 2:22:29 PM |
| PHOSPHOROUS, ALL FORMS | | | | | E365.3 | Analyst: AT |
| Phosphorus, Total | 0.0538 | 0.0200 | | mg/L | 1 | 3/12/2024 1:37:55 PM |
| TOTAL SUSPENDED SOLIDS | | | | | M2540 D | Analyst: AT |
| Total Suspended Solids | ND | 10.0 | | mg/L | 1 | 3/15/2024 4:55:28 PM |
| FIELD PARAMETERS | | | | | FLD | Analyst: Clie |
| pH, SM4500H+ B | 6.8 | | | S.U. | | 3/12/2024 8:03:00 AM |

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICV | SampType: ICV | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: ICV | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686966 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0483 | 0.000500 | 0.0500 | 0 | 96.7 | 90 | 110 | | | | |
| Iron | 5.03 | 0.0500 | 5.00 | 0 | 101 | 90 | 110 | | | | |
| Lead | 0.0495 | 0.000100 | 0.0500 | 0 | 99.0 | 90 | 110 | | | | |
| Zinc | 0.0506 | 0.00200 | 0.0500 | 0 | 101 | 90 | 110 | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686970 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | | | |
|----------------------------|--|------------------------|--|------------------------|-----------|--------------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: MB-23212 | | SampType: MBLK | | TestCode: 200.8 | | Units: mg/L | | Prep Date: 3/13/2024 | | | RunNo: 53172 | | |
| Client ID: PBW | | Batch ID: 23212 | | TestNo: E200.8 | | E200.8 | | Analysis Date: 3/14/2024 | | | SeqNo: 686974 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | | ND | | 0.000500 | | | | | | | | | |
| Iron | | ND | | 0.0500 | | | | | | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|----------------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-23212 | SampType: MBLK | TestCode: 200.8 | Units: mg/L | Prep Date: 3/13/2024 | RunNo: 53172 | | | | | | |
| Client ID: PBW | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686974 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-23212 | SampType: LCS | TestCode: 200.8 | Units: mg/L | Prep Date: 3/13/2024 | RunNo: 53172 | | | | | | |
| Client ID: LCSW | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686975 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0495 | 0.000500 | 0.0500 | 0 | 99.0 | 85 | 115 | | | | |
| Iron | 4.75 | 0.0500 | 5.00 | 0 | 94.9 | 85 | 115 | | | | |
| Lead | 0.0506 | 0.000100 | 0.0500 | 0 | 101 | 85 | 115 | | | | |
| Zinc | 0.0511 | 0.00200 | 0.0500 | 0 | 102 | 85 | 115 | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCV | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686978 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0489 | 0.000500 | 0.0500 | 0 | 97.8 | 90 | 110 | | | | |
| Iron | 4.97 | 0.0500 | 5.00 | 0 | 99.4 | 90 | 110 | | | | |
| Lead | 0.0498 | 0.000100 | 0.0500 | 0 | 99.5 | 90 | 110 | | | | |
| Zinc | 0.0508 | 0.00200 | 0.0500 | 0 | 102 | 90 | 110 | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | | | | |
|-----------------------|--|------------------------|--|------------------------|-----------|--------------------|--|---------------------------------|----------|-----------|----------------------|------|----------|------|
| Sample ID: CCV | | SampType: CCV | | TestCode: 200.8 | | Units: mg/L | | Prep Date: | | | RunNo: 53172 | | | |
| Client ID: CCV | | Batch ID: 23212 | | TestNo: E200.8 | | E200.8 | | Analysis Date: 3/14/2024 | | | SeqNo: 686978 | | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686980 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | |
|--------|----|----------|
| Copper | ND | 0.000500 |
| Iron | ND | 0.0500 |
| Lead | ND | 0.000100 |
| Zinc | ND | 0.00200 |

| | | | | | | | | | | | |
|-----------------------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 2403118-001BDUP | SampType: DUP | TestCode: 200.8 | Units: mg/L | Prep Date: 3/13/2024 | RunNo: 53172 | | | | | | |
| Client ID: BatchQC | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686981 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------|----------|----------|--|--|--|--|--|----------|-------|----|
| Copper | ND | 0.000500 | | | | | | 0 | 0 | 20 |
| Iron | 0.285 | 0.0500 | | | | | | 0.285 | 0.188 | 20 |
| Lead | 0.000738 | 0.000100 | | | | | | 0.000772 | 4.47 | 20 |
| Zinc | 0.0231 | 0.00200 | | | | | | 0.0233 | 0.841 | 20 |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|---------------------------|--------|-----------------|-----------|-----------------|------|-------------|-----------|--------------------------|------|---------------|------|
| Sample ID: 2403118-001BMS | | SampType: MS | | TestCode: 200.8 | | Units: mg/L | | Prep Date: 3/13/2024 | | RunNo: 53172 | |
| Client ID: BatchQC | | Batch ID: 23212 | | TestNo: E200.8 | | E200.8 | | Analysis Date: 3/14/2024 | | SeqNo: 686982 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0482 | 0.000500 | 0.0500 | 0 | 96.4 | 70 | 130 | | | | |
| Iron | 5.15 | 0.0500 | 5.00 | 0.285 | 97.4 | 70 | 130 | | | | |
| Lead | 0.0519 | 0.000100 | 0.0500 | 0.000772 | 102 | 70 | 130 | | | | |
| Zinc | 0.0701 | 0.00200 | 0.0500 | 0.0233 | 93.7 | 70 | 130 | | | | |

| | | | | | | | | | | | |
|----------------------------|--------|-----------------|-----------|-----------------|------|-------------|-----------|--------------------------|-------|---------------|------|
| Sample ID: 2403118-001BMSD | | SampType: MSD | | TestCode: 200.8 | | Units: mg/L | | Prep Date: 3/13/2024 | | RunNo: 53172 | |
| Client ID: BatchQC | | Batch ID: 23212 | | TestNo: E200.8 | | E200.8 | | Analysis Date: 3/14/2024 | | SeqNo: 686983 | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0485 | 0.000500 | 0.0500 | 0 | 97.0 | 70 | 130 | 0.0482 | 0.542 | 20 | |
| Iron | 5.04 | 0.0500 | 5.00 | 0.285 | 95.1 | 70 | 130 | 5.15 | 2.27 | 20 | |
| Lead | 0.0515 | 0.000100 | 0.0500 | 0.000772 | 101 | 70 | 130 | 0.0519 | 0.748 | 20 | |
| Zinc | 0.0707 | 0.00200 | 0.0500 | 0.0233 | 94.9 | 70 | 130 | 0.0701 | 0.847 | 20 | |

| | | | | | | | | | | | |
|----------------|-----------------|-----------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686994 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|----------------|-----------------|-----------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 686994 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: ICV | SampType: ICV | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: ICV | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687126 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0492 | 0.000500 | 0.0500 | 0 | 98.3 | 90 | 110 | | | | |
| Iron | 5.03 | 0.0500 | 5.00 | 0 | 101 | 90 | 110 | | | | |
| Lead | 0.0496 | 0.000100 | 0.0500 | 0 | 99.3 | 90 | 110 | | | | |
| Zinc | 0.0509 | 0.00200 | 0.0500 | 0 | 102 | 90 | 110 | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687127 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687127 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687128 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|--------|----|----------|--|--|--|--|--|--|--|--|--|
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCV | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687133 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | |
|--------|--------|----------|--------|---|------|----|-----|--|--|--|--|
| Copper | 0.0478 | 0.000500 | 0.0500 | 0 | 95.6 | 90 | 110 | | | | |
| Iron | 4.99 | 0.0500 | 5.00 | 0 | 99.9 | 90 | 110 | | | | |
| Lead | 0.0494 | 0.000100 | 0.0500 | 0 | 98.8 | 90 | 110 | | | | |
| Zinc | 0.0516 | 0.00200 | 0.0500 | 0 | 103 | 90 | 110 | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|----------------|-----------------|-----------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687134 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | |
|----------------|-----------------|-----------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687146 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | | | |
|----------------|--|-----------------|--|-----------------|-----------|-------------|------|--------------------------|-----------|-------------|---------------|----------|------|
| Sample ID: CCB | | SampType: CCB | | TestCode: 200.8 | | Units: mg/L | | Prep Date: | | | RunNo: 53172 | | |
| Client ID: CCB | | Batch ID: 23212 | | TestNo: E200.8 | | E200.8 | | Analysis Date: 3/14/2024 | | | SeqNo: 687160 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | | ND | | 0.000500 | | | | | | | | | |
| Iron | | ND | | 0.0500 | | | | | | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | |
|----------------|-----------------|-----------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687160 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

| | | | | | | | | | | | |
|-----------------------|------------------------|------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCV | SampType: CCV | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCV | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687162 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | 0.0490 | 0.000500 | 0.0500 | 0 | 98.1 | 90 | 110 | | | | |
| Iron | 5.00 | 0.0500 | 5.00 | 0 | 100 | 90 | 110 | | | | |
| Lead | 0.0499 | 0.000100 | 0.0500 | 0 | 99.7 | 90 | 110 | | | | |
| Zinc | 0.0515 | 0.00200 | 0.0500 | 0 | 103 | 90 | 110 | | | | |

| | | | | | | | | | | | |
|----------------|-----------------|-----------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB | SampType: CCB | TestCode: 200.8 | Units: mg/L | Prep Date: | RunNo: 53172 | | | | | | |
| Client ID: CCB | Batch ID: 23212 | TestNo: E200.8 | E200.8 | Analysis Date: 3/14/2024 | SeqNo: 687163 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Copper | ND | 0.000500 | | | | | | | | | |
| Iron | ND | 0.0500 | | | | | | | | | |
| Lead | ND | 0.000100 | | | | | | | | | |
| Zinc | ND | 0.00200 | | | | | | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

| | | | | | | | | | | | | | |
|-----------------------|--|------------------------|--|------------------------|-----------|--------------------|------|---------------------------------|-----------|-------------|----------------------|----------|------|
| Sample ID: CCB | | SampType: CCB | | TestCode: 200.8 | | Units: mg/L | | Prep Date: | | | RunNo: 53172 | | |
| Client ID: CCB | | Batch ID: 23212 | | TestNo: E200.8 | | E200.8 | | Analysis Date: 3/14/2024 | | | SeqNo: 687163 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers: E Value above quantitation range
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: BOD_CWA

| | | | | | | | | | | | |
|-----------------------------|-------------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-R53217 | SampType: MBLK | TestCode: BOD_CWA | Units: mg/L | Prep Date: | RunNo: 53217 | | | | | | |
| Client ID: PBW | Batch ID: R53217 | TestNo: SM5210B | | Analysis Date: 3/13/2024 | SeqNo: 687729 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| BOD, 5 Day | ND | 2.00 | | | | | | | | | |

| | | | | | | | | | | | |
|------------------------------|-------------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-R53217 | SampType: LCS | TestCode: BOD_CWA | Units: mg/L | Prep Date: | RunNo: 53217 | | | | | | |
| Client ID: LCSW | Batch ID: R53217 | TestNo: SM5210B | | Analysis Date: 3/13/2024 | SeqNo: 687730 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| BOD, 5 Day | 184.7 | 2.00 | 198.0 | 0 | 93.3 | 84 | 116 | | | | |

| | | | | | | | | | | | | | |
|-----------------------------------|--|-------------------------|--|--------------------------|-----------|---------------------------------|------|------------|----------------------|-------------|---------------------|----------|------|
| Sample ID: 2403131-001ADUP | | SampType: DUP | | TestCode: BOD_CWA | | Units: mg/L | | Prep Date: | | | RunNo: 53217 | | |
| Client ID: BatchQC | | Batch ID: R53217 | | TestNo: SM5210B | | Analysis Date: 3/13/2024 | | | SeqNo: 687739 | | | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| BOD, 5 Day | | 211.3 | | 2.00 | | | | | | 206.5 | 2.30 | 20 | |

| | | | | | | | | | | | |
|----------------------------|------------------|-------------------|-------------|--------------------------|---------------|----------|-----------|-------------|------|----------|------|
| Sample ID: 2403133-001ADUP | SampType: DUP | TestCode: BOD_CWA | Units: mg/L | Prep Date: | RunNo: 53217 | | | | | | |
| Client ID: BatchQC | Batch ID: R53217 | TestNo: SM5210B | | Analysis Date: 3/13/2024 | SeqNo: 687741 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| BOD, 5 Day | 92.00 | 2.00 | | | | | | 88.60 | 3.77 | 20 | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: BOD_CWA

| | | | | | | | | | | | | | |
|-----------------------------------|--|-------------------------|--|--------------------------|-----------|--------------------|------|---------------------------------|-----------|----------------------|------|----------|------|
| Sample ID: 2403133-001ADUP | | SampType: DUP | | TestCode: BOD_CWA | | Units: mg/L | | Prep Date: | | RunNo: 53217 | | | |
| Client ID: BatchQC | | Batch ID: R53217 | | TestNo: SM5210B | | | | Analysis Date: 3/13/2024 | | SeqNo: 687741 | | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers: E Value above quantitation range
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: COLIF

| | | | | | | | | | | | | |
|-----------------------------|--------|-------------------------|-------------------------|-------------------------|---------------------------------|----------|-----------|-------------|----------------------|----------|------|--|
| Sample ID: MB-R53148 | | SampType: MBLK | TestCode: COLIF | Units: MPN/100ml | Prep Date: | | | | RunNo: 53148 | | | |
| Client ID: PBW | | Batch ID: R53148 | TestNo: SM 9223B | | Analysis Date: 3/12/2024 | | | | SeqNo: 686756 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | |
| E. COLI | ND | 1.00 | | | | | | | | | | |

Qualifiers: E Value above quantitation range
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: P-TOTAL

| | | | | | | | | | | | |
|-----------------------------|-------------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-R53134 | SampType: MBLK | TestCode: P-TOTAL | Units: mg/L | Prep Date: | RunNo: 53134 | | | | | | |
| Client ID: PBW | Batch ID: R53134 | TestNo: E365.3 | | Analysis Date: 3/12/2024 | SeqNo: 686529 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Phosphorus, Total | ND | 0.0200 | | | | | | | | | |

| | | | | | | | | | | | |
|------------------------------|-------------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: LCS-R53134 | SampType: LCS | TestCode: P-TOTAL | Units: mg/L | Prep Date: | RunNo: 53134 | | | | | | |
| Client ID: LCSW | Batch ID: R53134 | TestNo: E365.3 | | Analysis Date: 3/12/2024 | SeqNo: 686530 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Phosphorus, Total | 0.999 | 0.0200 | 1.000 | 0 | 99.9 | 90 | 110 | | | | |

| | | | | | | | | | | | | | |
|----------------------------------|--|-------------------------|--------|--------------------------|-------------|---------------------------------|----------|------------|----------------------|------|---------------------|------|--|
| Sample ID: 2403120-001DMS | | SampType: MS | | TestCode: P-TOTAL | | Units: mg/L | | Prep Date: | | | RunNo: 53134 | | |
| Client ID: BatchQC | | Batch ID: R53134 | | TestNo: E365.3 | | Analysis Date: 3/12/2024 | | | SeqNo: 686534 | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | |
| Phosphorus, Total | | 0.519 | 0.0200 | 0.5000 | 0.02358 | 99.2 | 80 | 120 | | | | | |

| | | | | | | | | | | | | |
|-----------------------------------|--|-------------------------|--------|--------------------------|-------------|--------------------|----------|---------------------------------|-------------|----------------------|----------|------|
| Sample ID: 2403120-001DMSD | | SampType: MSD | | TestCode: P-TOTAL | | Units: mg/L | | Prep Date: | | RunNo: 53134 | | |
| Client ID: BatchQC | | Batch ID: R53134 | | TestNo: E365.3 | | | | Analysis Date: 3/12/2024 | | SeqNo: 686535 | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Phosphorus, Total | | 0.532 | 0.0200 | 0.5000 | 0.02358 | 102 | 80 | 120 | 0.5194 | 2.37 | 20 | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: P-TOTAL

| | | | | | | | | | | | | |
|-----------------------------------|--------|-------------------------|-----------|--------------------------|------|---------------------------------|-----------|-------------|----------------------|----------|---------------------|--|
| Sample ID: 2403120-001DMSD | | SampType: MSD | | TestCode: P-TOTAL | | Units: mg/L | | Prep Date: | | | RunNo: 53134 | |
| Client ID: BatchQC | | Batch ID: R53134 | | TestNo: E365.3 | | Analysis Date: 3/12/2024 | | | SeqNo: 686535 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | |

| | | | | | | | | | | | | | |
|------------------------------|--------|-------------------------|-----------|--------------------------|------|---------------------------------|-----------|-------------|----------------------|----------|---------------------|--|--|
| Sample ID: CCV-R53134 | | SampType: CCV | | TestCode: P-TOTAL | | Units: mg/L | | Prep Date: | | | RunNo: 53134 | | |
| Client ID: CCV | | Batch ID: R53134 | | TestNo: E365.3 | | Analysis Date: 3/12/2024 | | | SeqNo: 686537 | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | | |
| Phosphorus, Total | 0.996 | 0.0200 | 1.000 | 0 | 99.6 | 90 | 110 | | | | | | |

| | | | | | | | | | | | |
|------------------------------|-------------------------|--------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: CCB-R53134 | SampType: CCB | TestCode: P-TOTAL | Units: mg/L | Prep Date: | RunNo: 53134 | | | | | | |
| Client ID: CCB | Batch ID: R53134 | TestNo: E365.3 | | Analysis Date: 3/12/2024 | SeqNo: 686538 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Phosphorus, Total | ND | 0.0200 | | | | | | | | | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: TSS_WW

| | | | | | | | | | | | |
|-----------------------------|-------------------------|-------------------------|--------------------|---------------------------------|----------------------|----------|-----------|-------------|------|----------|------|
| Sample ID: MB-R53203 | SampType: MBLK | TestCode: TSS_WW | Units: mg/L | Prep Date: | RunNo: 53203 | | | | | | |
| Client ID: PBW | Batch ID: R53203 | TestNo: M2540 D | | Analysis Date: 3/15/2024 | SeqNo: 687482 | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Suspended Solids | ND | 10.0 | | | | | | | | | |

| | | | | | | | | | | | |
|------------------------------|-------------------------|-------------------------|---------------------------------|-------------|------|----------|----------------------|---------------------|------|----------|------|
| Sample ID: LCS-R53203 | SampType: LCS | TestCode: TSS_WW | Units: mg/L | Prep Date: | | | | RunNo: 53203 | | | |
| Client ID: LCSW | Batch ID: R53203 | TestNo: M2540 D | Analysis Date: 3/15/2024 | | | | SeqNo: 687483 | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Suspended Solids | 41.0 | 10.0 | 100.0 | 0 | 41.0 | 80 | 120 | | | | S |

| | | | | | | | | | | | | | |
|-----------------------------------|--|-------------------------|--|-------------------------|-----------|--------------------|------|---------------------------------|-----------|----------------------|------|----------|------|
| Sample ID: 2403120-001BDUP | | SampType: DUP | | TestCode: TSS_WW | | Units: mg/L | | Prep Date: | | RunNo: 53203 | | | |
| Client ID: BatchQC | | Batch ID: R53203 | | TestNo: M2540 D | | | | Analysis Date: 3/15/2024 | | SeqNo: 687487 | | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Total Suspended Solids | | ND | | 10.0 | | | | | | 0 | 0 | 20 | RRF |

| | | | | | | | | | | | | |
|----------------------------|--------|------------------|-----------|------------------|------|--------------------------|-----------|-------------|---------------|----------|--------------|--|
| Sample ID: 2403122-001ADUP | | SampType: DUP | | TestCode: TSS_WW | | Units: mg/L | | Prep Date: | | | RunNo: 53203 | |
| Client ID: BatchQC | | Batch ID: R53203 | | TestNo: M2540 D | | Analysis Date: 3/15/2024 | | | SeqNo: 687490 | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual | |
| Total Suspended Solids | ND | 10.0 | | | | | | 0 | 0 | 20 | RRF | |

Qualifiers: E Value above quantitation range H Holding times for preparation or analysis exceeded R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Specialty Analytical

WO#: 2403121
3/19/2024

Client: The Standard Steel Companies
Project: TSSC
TestCode: TSS_WW

| | | | | | | | | | | | | |
|-----------------------------------|--|-------------------------|-----|-------------------------|-------------|---------------------------------|----------|----------------------|-------------|---------------------|----------|------|
| Sample ID: 2403122-001ADUP | | SampType: DUP | | TestCode: TSS_WW | | Units: mg/L | | Prep Date: | | RunNo: 53203 | | |
| Client ID: BatchQC | | Batch ID: R53203 | | TestNo: M2540 D | | Analysis Date: 3/15/2024 | | SeqNo: 687490 | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

Qualifiers: E Value above quantitation range
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits



Specialty Analytical
9011 SE Jannsen Rd
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

Sample Receipt Checklist

Client Name TSSC

Work Order Number 2403121

RcptNo: 1

Date and Time Receive 3/12/2024 9:47:51 AM

Received by: Mandy Wehe

Completed by

Reviewed by:

Completed Date:

3/12/2024

Reviewed Date:

3/13/2024 10:56:49 AM

Carrier name: Client

| | | | |
|---|--|--|---|
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Are matrices correctly identified on Chain of custody? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Is it clear what analyses were requested? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Were correct preservatives used and noted? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Were container labels complete (ID, Pres, Date)? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Was an attempt made to cool the samples? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| All samples received at a temp. of > 0° C to 6.0° C? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Response when temperature is outside of range: | | | |
| Preservative added to bottles: | | | |
| Sample Temp. taken and recorded upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | To 2.4 °C |
| Water - Were bubbles absent in VOC vials? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No Vials <input checked="" type="checkbox"/> |
| Water - Was there Chlorine Present? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | NA <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | NA <input type="checkbox"/> |
| Are Samples considered acceptable? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Custody Seals present? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Traffic Report or Packing Lists present? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Airbill or Sticker? | Air Bill <input type="checkbox"/> | Sticker <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Airbill No: | | | |
| Sample Tags Present? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Sample Tags Listed on COC? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Tag Numbers: | | | |
| Sample Condition? | Intact <input checked="" type="checkbox"/> | Broken <input type="checkbox"/> | Leaking <input type="checkbox"/> |
| Case Number: | SDG: | SAS: | |

Cooler Information

Assets Information

Adjusted? _____ Checked by _____

Any No and/or NA (not applicable) response must be detailed in the comments section be



Specialty Analytical
9011 SE Jannsen Rd
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

Sample Receipt Checklist

Client Name TSSC

Work Order Number 2403121

Client Contacted? ☐ Yes ☒ No ☐ NA Person Contacted:

Comments:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted:

Contacted By:

Regarding:

CorrectiveAction:

Sample Details

| SampID | ClientSampID | ContainerID | Type | Org pH | Temp. | RcptNo | Cooler No | Comments |
|--------------|--------------|-----------------------|--------|--------|-------|--------|-----------|----------|
| 2403121-001A | MP-003 | Container-01 of 01 | Bottle | | | | | |
| 2403121-001B | MP-003 | Container-01 of 01 | Bottle | | | | | |
| 2403121-001C | MP-003 | Container-01 of 01 | Bottle | | | | | |
| 2403121-001D | MP-003 | Container-01 of 01 | Bottle | | | | | |

| | | | | | | | | | | | |
|--|--|-------------------------------------|--|-----------------------------|--|--|--|----------------------------|--|-----|--|
| Specialty Analytical 9011 SE Jannsen Rd Clackamas, OR 97015 Phone: 503-607-1331 Fax: 503-607-1336 | | Chain of Custody Record | | | | | | | | | |
| | | Date: <u>3/12/24</u> | | Page: <u>1</u> of: <u>1</u> | | Laboratory Project No (Internal): <u>2403121</u> | | | | | |
| Client: <u>TSSC</u> | | Project Name: <u>TSSC</u> | | | | Temperature on Receipt: <u>2.4</u> °C | | | | | |
| Address: <u>1745 NE Columbia BLVD</u> | | Project No: _____ | | PO No: _____ | | Cooling: <u>ice</u> | | Shipped Via: <u>curier</u> | | | |
| City, State, Zip: <u>Portland OR 97211</u> | | Collected by: <u>Gorge Martin</u> | | | | Custody Seal: Y / <u>(N)</u> Intact / Broken Cooler / Bottle | | | | | |
| Telephone: <u>971-876-5578</u> | | State Collected: <u>OR</u> WA OTHER | | | | MDL | | TIER IV | | EDD | |
| AP Email: <u>gmartin@standardsteelNW.com</u> | | Report To (PM): _____ | | | | Sample Disposal: <input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Disposal by lab (after 60 days) | | | | | |
| PM Email: <u>gmartin@standardsteelNW.com</u> | | | | | | | | | | | |

| Sample Name | Sample Date | Sample Time | Sample Matrix* | # of Containers | Requested Tests | Comments |
|-----------------|----------------|----------------|----------------|-----------------|---|----------|
| 1 <u>mp-003</u> | <u>3/12/24</u> | <u>8:15 am</u> | <u>SW</u> | <u>4</u> | <u>TOTAL Copper</u> <u>TOTAL Lead</u> <u>TOTAL Zinc</u> <u>TSS</u> <u>BOD 5</u> <u>TOTAL Phosphorus</u> <u>a. coli</u> <u>TOTAL Bacteria</u> | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

* Matrix: A=Air, AQ=Aqueous, L=Liquid, O=Oil, P=Product, S=Soil, SD=Sediment, SL=Solid, W=Water, DW=Drinking Water, GW=Ground Water, SW=Storm Water, WW=Waste Water, M=Miscellaneous

| | |
|---|-------------------------------------|
| Turn-around Time: Standard: <input checked="" type="checkbox"/> 3 Day: _____ 2 Day: _____ Next Day: _____ Same Day: _____ | |
| Expedited turn-around requests should be coordinated in advance | |
| Relinquished x <u>[Signature]</u> | Date/Time <u>3/12/24 9:45 Am</u> |
| Received x <u>[Signature]</u> | Date/Time <u>3/12/24 9:45</u> |
| Relinquished x | Date/Time |
| Received x | Date/Time |
| Relinquished x | Date/Time |
| Received x | Date/Time |

PH METER CALIBRATION AND PH MEASUREMENT RECORDS
Standard Steel, LLC
Portland, Oregon

PH METER CALIBRATION RECORD

The pH meter must be calibrated before the collection of pH measurements in the field.

Calibration Date and Time: 3/12/24 7:34 AM
 Calibration Solution 4.01 S.U. 4.1
 Calibration Solution 7.00 S.U. 7.00
 Calibration Solution 10.01 S.U. 9.9

Calibration Notes:

PH MEASUREMENT RECORD

pH must be measured within 15 minutes of sample collection.

| Monitoring Point | pH (S.U.) | Sample Collection Date and Time | pH Measurement Date and Time |
|-----------------------------|-----------|---------------------------------|------------------------------|
| Monitoring Point 001 | 6.8 | 3/12/24 7:59 AM | 3/12/24 8:03 AM |
| Monitoring Point 003 | | | |
| Calibrated and Measured By: | | Signature: | |



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9011 SE Jannsen Rd
Clackamas, Oregon 97015
TEL: 503-607-1331 FAX: 503-607-1336
Website: www.specialtyanalytical.com

Definition Only

WO#: 2403121
Date: 3/19/2024

Definitions:

KEY TO FLAGS

A: This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was qualified against gasoline calibration standards.

A1: This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was qualified against diesel calibration standards.

A2: This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was qualified against lube oil calibration standards.

A3: The results was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.

A4: The product appears to be aged or degraded.

B: The blank exhibited a positive result greater than the reporting limit for this compound.

BC: Sample concentration is >10x positive result in blank. Data is considered acceptable.

CN: See Case Narrative.

E: Result exceeds the calibration range for this compound. The result should be considered an estimate.

F: The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.

FS: Follow-up testing is suggested.

G: Result may be biased high due to biogenic interferences. Clean up is recommended.

H: Sample was analyzed outside recommended holding time.

HT: ☐ At client's request, samples was analyzed outside of recommended holding time.

HP: Sample was analyzed outside recommended holding time due to VOA having pH >2.



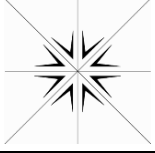
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Date: 3/19/2024

Definitions:

- J: The results for this analyte is between the MDL and the PQL and should be considered an estimated concentration.
- K: Diesel result is biased high due to amount of Oil contained in the sample.
- L: Diesel result is biased high due to amount of Gasoline contained in the sample.
- M: Oil result is biased high due to amount of Diesel contained in the sample.
- N: Gasoline result is biased high due to amount of Diesel contained in the sample.
- MC: Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.
- MI: Result is outside control limits due to matrix interference.
- NH: Sample matrix is non-homogeneous
- MSA: Value determined by Method of Standard Addition.
- O: Laboratory Control Standard (LCS) exceeded laboratory control limits but meets CCV criteria. Data meets EPA requirements.
- Q: Detection levels elevated due to sample matrix.
- R: RPD control limits were exceeded
- RF: Duplicate failed due to result being at or near the method-reporting limit.
- RP: Matrix spike values exceed established QC limits; post digestion spike is in control.
- S: Recovery is outside control limits.
- SC: CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.
-



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Definition Only

WO#: **2403121**

Date: **3/19/2024**

Definitions:

SL: LCS exceeded recovery control limits, but associated MS/MSD passing. Data meets EPA requirements.

SV: CCV exceeded low recovery control limits. ND as reported evaluated using EPA method 8260D section 11.4.3.2

TA: Sample treated with ascorbic acid for the removal of thiocyanates.

TS: Sample treated with Sodium Sulfite for the removal of chlorine.