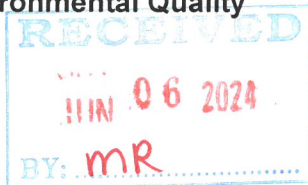




Oregon Department of Environmental Quality
Stormwater Program

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.

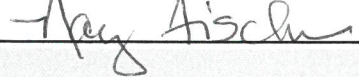
DMR Submittal Checklist

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)).

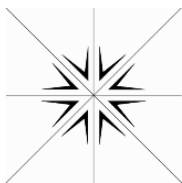
Signature: 
Printed Name: Nancy Fischer
Legally Authorized Representative

Date: May 27, 2024

Title: CFO

Email: nfischer@standardsteelnw.com

Telephone: 503-282-9273



Specialty Analytical

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

Website: www.specialtyanalytical.com

May 16, 2024

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

RE: TSSC

Order No.: 2405052

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". The signature is stylized and cursive.

Marty French
Lab Director

Specialty Analytical

WO#: 2405052

Date Reported: 5/16/2024

CLIENT: The Standard Steel Companies
Project: TSSC

Lab ID: 2405052-001

Matrix: STORM WATER

Client Sample ID MP-003

Collection Date: 5/6/2024 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP/MS METALS- TOTAL RECOVERABLE					E200.8	E200.8 Analyst: AC
Copper	0.00873	0.00200		mg/L	1	5/15/2024 3:40:53 PM
Iron	1.21	0.0500		mg/L	1	5/15/2024 3:40:53 PM
Lead	0.00255	0.000100		mg/L	1	5/15/2024 3:40:53 PM
Zinc	0.0492	0.00200		mg/L	1	5/15/2024 3:40:53 PM
BIOLOGICAL OXYGEN DEMAND- 5					SM5210B	Analyst: NK
BOD, 5 Day	5.80	2.00		mg/L	1	5/8/2024 7:39:04 AM
COLIFORMS					SM 9223B	Analyst: NK
E. COLI	1550	1.00		MPN/100ml	1	5/6/2024 2:55:05 PM
PHOSPHOROUS, ALL FORMS					E365.3	Analyst: AT
Phosphorus, Total	0.0378	0.0200		mg/L	1	5/7/2024 2:28:42 PM
TOTAL SUSPENDED SOLIDS					M2540 D	Analyst: AT
Total Suspended Solids	27.0	10.0		mg/L	1	5/9/2024 3:30:12 PM
FIELD PARAMETERS					FLD	Analyst: Clie
pH, SM4500H+ B	7.8			S.U.		5/6/2024 7:54:00 AM

QC SUMMARY REPORT

Specialty Analytical

WO#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: ICV	SampType: ICV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: ICV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699420						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0504	0.00200	0.0500	0	101	90	110				
Zinc	0.0505	0.00200	0.0500	0	101	90	110				

Sample ID: CCB		SampType: CCB		TestCode: 200.8		Units: mg/L		Prep Date:			RunNo: 54045		
Client ID: CCB		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/14/2024			SeqNo: 699423		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Copper		ND	0.00200										
Zinc		ND	0.00200										

Sample ID: MB-23631		SampType: MBLK		TestCode: 200.8		Units: mg/L		Prep Date: 5/13/2024		RunNo: 54045		
Client ID: PBW		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/14/2024		SeqNo: 699427		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper		ND	0.00200									
Zinc		ND	0.00200									

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: LCS-23631	SampType: LCS	TestCode: 200.8	Units: mg/L	Prep Date: 5/13/2024	RunNo: 54045						
Client ID: LCSW	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699428						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0497	0.00200	0.0500	0	99.5	85	115				
Zinc	0.0515	0.00200	0.0500	0	103	85	115				

Sample ID: 2405027-001BDUP		SampType: DUP		TestCode: 200.8		Units: mg/L		Prep Date: 5/13/2024			RunNo: 54045		
Client ID: BatchQC		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/14/2024			SeqNo: 699430		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper		0.00350		0.00200						0.00343	2.04	20	
Zinc		0.00708		0.00200						0.00714	0.868	20	

Sample ID: 2405027-001BMS	SampType: MS	TestCode: 200.8	Units: mg/L	Prep Date: 5/13/2024	RunNo: 54045						
Client ID: BatchQC	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699431						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0487	0.00200	0.0500	0.00343	90.5	70	130				
Zinc	0.0486	0.00200	0.0500	0.00714	83.0	70	130				

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0496	0.00200	0.0500	0	99.2	90	110				
Zinc	0.0494	0.00200	0.0500	0	98.8	90	110				

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	ND	0.00200									
Lead	ND	0.000100									
Zinc	ND	0.00200									

Sample ID: 2405027-001BMSD	SampType: MSD	TestCode: 200.8	Units: mg/L	Prep Date: 5/13/2024	RunNo: 54045						
Client ID: BatchQC	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699434						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0485	0.00200	0.0500	0.00343	90.0	70	130	0.0487	0.513	20	
Zinc	0.0477	0.00200	0.0500	0.00714	81.1	70	130	0.0486	1.88	20	

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/14/2024	SeqNo: 699436						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0502	0.00200	0.0500	0	100	90	110				
Zinc	0.0498	0.00200	0.0500	0	99.7	90	110				

Sample ID: ICV	SampType: ICV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: ICV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699647						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0476	0.000500	0.0500	0	95.3	90	110				B
Iron	4.61	0.0500	5.00	0	92.2	90	110				
Lead	0.0469	0.000100	0.0500	0	93.7	90	110				
Zinc	0.0489	0.00200	0.0500	0	97.8	90	110				

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699650						
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: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: CCB		SampType: CCB		TestCode: 200.8		Units: mg/L		Prep Date:			RunNo: 54045		
Client ID: CCB		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/15/2024			SeqNo: 699650		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699654						
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	95.5	90	110				B
Iron	4.75	0.0500	5.00	0	95.1	90	110				
Lead	0.0472	0.000100	0.0500	0	94.4	90	110				
Zinc	0.0486	0.00200	0.0500	0	97.1	90	110				

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699655						
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: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: MB-23631	SampType: MBLK	TestCode: 200.8	Units: mg/L	Prep Date: 5/13/2024	RunNo: 54045						
Client ID: PBW	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699656						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	ND	0.0500									
Lead	ND	0.000100									

Sample ID: LCS-23631	SampType: LCS	TestCode: 200.8	Units: mg/L	Prep Date: 5/13/2024	RunNo: 54045						
Client ID: LCSW	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699657						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	4.49	0.0500	5.00	0	89.9	85	115				
Lead	0.0476	0.000100	0.0500	0	95.2	85	115				

Sample ID: 2405027-001BDUP		SampType: DUP		TestCode: 200.8		Units: mg/L		Prep Date: 5/13/2024		RunNo: 54045	
Client ID: BatchQC		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/15/2024		SeqNo: 699659	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	0.199	0.0500						0.196	1.59	20	
Lead	0.00702	0.000100						0.00706	0.665	20	

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: 2405027-001BMS		SampType: MS		TestCode: 200.8		Units: mg/L		Prep Date: 5/13/2024		RunNo: 54045	
Client ID: BatchQC		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/15/2024		SeqNo: 699660	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	5.00	0.0500	5.00	0.196	96.1	70	130				
Lead	0.0566	0.000100	0.0500	0.00706	99.1	70	130				

Sample ID: 2405027-001BMSD	SampType: MSD	TestCode: 200.8	Units: mg/L	Prep Date: 5/13/2024	RunNo: 54045						
Client ID: BatchQC	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699661						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	4.95	0.0500	5.00	0.196	95.1	70	130	5.00	1.02	20	
Lead	0.0560	0.000100	0.0500	0.00706	97.9	70	130	0.0566	1.13	20	

Sample ID: CCV	SampType: CCV	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699666						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0488	0.000500	0.0500	0	97.5	90	110				B
Iron	4.77	0.0500	5.00	0	95.5	90	110				
Lead	0.0475	0.000100	0.0500	0	95.0	90	110				
Zinc	0.0484	0.00200	0.0500	0	96.8	90	110				

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699667						
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: 54045						
Client ID: CCV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699678						
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	98.4	90	110				B
Iron	4.81	0.0500	5.00	0	96.2	90	110				
Lead	0.0471	0.000100	0.0500	0	94.1	90	110				
Zinc	0.0477	0.00200	0.0500	0	95.5	90	110				

Sample ID: CCB		SampType: CCB		TestCode: 200.8		Units: mg/L		Prep Date:			RunNo: 54045		
Client ID: CCB		Batch ID: 23631		TestNo: E200.8		E200.8		Analysis Date: 5/15/2024			SeqNo: 699679		
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: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699679						
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: 54045						
Client ID: CCV	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699683						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Copper	0.0493	0.000500	0.0500	0	98.7	90	110				B
Iron	4.74	0.0500	5.00	0	94.8	90	110				
Lead	0.0468	0.000100	0.0500	0	93.6	90	110				
Zinc	0.0478	0.00200	0.0500	0	95.6	90	110				

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699684						
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: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: 200.8

Sample ID: CCB	SampType: CCB	TestCode: 200.8	Units: mg/L	Prep Date:	RunNo: 54045						
Client ID: CCB	Batch ID: 23631	TestNo: E200.8	E200.8	Analysis Date: 5/15/2024	SeqNo: 699684						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: BOD_CWA

Sample ID: 2405080-001ADUP		SampType: DUP		TestCode: BOD_CWA		Units: mg/L		Prep Date:			RunNo: 54009		
Client ID: BatchQC		Batch ID: R54009		TestNo: SM5210B		Analysis Date: 5/8/2024			SeqNo: 698846				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD, 5 Day		7.40		2.00						7.30	1.36	20	

Sample ID: MB-R54009	SampType: MBLK	TestCode: BOD_CWA	Units: mg/L	Prep Date:	RunNo: 54009						
Client ID: PBW	Batch ID: R54009	TestNo: SM5210B		Analysis Date: 5/8/2024	SeqNo: 698855						
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-R54009		SampType: LCS		TestCode: BOD_CWA		Units: mg/L		Prep Date:			RunNo: 54009		
Client ID: LCSW		Batch ID: R54009		TestNo: SM5210B		Analysis Date: 5/8/2024			SeqNo: 698856				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
BOD, 5 Day		185.0	2.00	198.0	0	93.4	84	116					

Sample ID: 2405072-001ADUP		SampType: DUP		TestCode: BOD_CWA		Units: mg/L		Prep Date:			RunNo: 54009		
Client ID: BatchQC		Batch ID: R54009		TestNo: SM5210B		Analysis Date: 5/8/2024			SeqNo: 698860				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
BOD, 5 Day		16.70		2.00						15.20	9.40	20	

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: BOD_CWA

Sample ID: 2405072-001ADUP	SampType: DUP	TestCode: BOD_CWA	Units: mg/L	Prep Date:	RunNo: 54009						
Client ID: BatchQC	Batch ID: R54009	TestNo: SM5210B	Analysis Date: 5/8/2024	SeqNo: 698860							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: COLIF

Sample ID: MB-R53930	SampType: MBLK	TestCode: COLIF	Units: MPN/100ml	Prep Date:	RunNo: 53930						
Client ID: PBW	Batch ID: R53930	TestNo: SM 9223B	Analysis Date: 5/6/2024	SeqNo: 697806							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
E. COLI	ND	1.00									

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: P-TOTAL

Sample ID: MB-R53948	SampType: MBLK	TestCode: P-TOTAL	Units: mg/L	Prep Date:	RunNo: 53948						
Client ID: PBW	Batch ID: R53948	TestNo: E365.3		Analysis Date: 5/7/2024	SeqNo: 698094						
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-R53948	SampType: LCS	TestCode: P-TOTAL	Units: mg/L	Prep Date:	RunNo: 53948						
Client ID: LCSW	Batch ID: R53948	TestNo: E365.3		Analysis Date: 5/7/2024	SeqNo: 698095						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total	0.985	0.0200	1.000	0	98.5	90	110				

Sample ID: 2405011-001CMS		SampType: MS		TestCode: P-TOTAL		Units: mg/L		Prep Date:			RunNo: 53948		
Client ID: BatchQC		Batch ID: R53948		TestNo: E365.3		Analysis Date: 5/7/2024			SeqNo: 698099				
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total		0.521		0.0200	0.5000	0	104	80	120				

Sample ID: 2405011-001CMSD		SampType: MSD	TestCode: P-TOTAL		Units: mg/L	Prep Date:			RunNo: 53948		
Client ID: BatchQC		Batch ID: R53948	TestNo: E365.3			Analysis Date: 5/7/2024			SeqNo: 698100		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total	0.528	0.0200	0.5000	0	106	80	120	0.5211	1.35	20	

Qualifiers: B Analyte detected in the associated Method Blank 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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: P-TOTAL

Sample ID: 2405011-001CMSD		SampType: MSD		TestCode: P-TOTAL		Units: mg/L		Prep Date:			RunNo: 53948	
Client ID: BatchQC		Batch ID: R53948		TestNo: E365.3		Analysis Date: 5/7/2024			SeqNo: 698100			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Sample ID: CCV-R53948	SampType: CCV	TestCode: P-TOTAL	Units: mg/L	Prep Date:	RunNo: 53948						
Client ID: CCV	Batch ID: R53948	TestNo: E365.3	Analysis Date: 5/7/2024	SeqNo: 698103							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total	0.978	0.0200	1.000	0	97.8	90	110				

Sample ID: CCB-R53948	SampType: CCB	TestCode: P-TOTAL	Units: mg/L	Prep Date:	RunNo: 53948						
Client ID: CCB	Batch ID: R53948	TestNo: E365.3	Analysis Date: 5/7/2024	SeqNo: 698104							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phosphorus, Total	ND	0.0200									

Qualifiers: B Analyte detected in the associated Method Blank
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#: 2405052
5/16/2024

Client: The Standard Steel Companies
Project: TSSC

TestCode: TSS_WW

Sample ID: MB-R53987	SampType: MBLK	TestCode: TSS_WW	Units: mg/L	Prep Date:	RunNo: 53987						
Client ID: PBW	Batch ID: R53987	TestNo: M2540 D		Analysis Date: 5/9/2024	SeqNo: 698589						
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-R53987	SampType: LCS	TestCode: TSS_WW	Units: mg/L	Prep Date:	RunNo: 53987						
Client ID: LCSW	Batch ID: R53987	TestNo: M2540 D		Analysis Date: 5/9/2024	SeqNo: 698590						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Suspended Solids	102	10.0	100.0	0	102	80	120				

Sample ID: 2405067-003ADUP		SampType: DUP		TestCode: TSS_WW		Units: mg/L		Prep Date:			RunNo: 53987		
Client ID: BatchQC		Batch ID: R53987		TestNo: M2540 D		Analysis Date: 5/9/2024			SeqNo: 698597				
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: 2405086-001ADUP		SampType: DUP		TestCode: TSS_WW		Units: mg/L		Prep Date:		RunNo: 53987			
Client ID: BatchQC		Batch ID: R53987		TestNo: M2540 D				Analysis Date: 5/9/2024		SeqNo: 698603			
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: B Analyte detected in the associated Method Blank 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#: 2405052
5/16/2024

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

Sample ID: 2405086-001ADUP		SampType: DUP		TestCode: TSS_WW		Units: mg/L		Prep Date:			RunNo: 53987	
Client ID: BatchQC		Batch ID: R53987		TestNo: M2540 D		Analysis Date: 5/9/2024			SeqNo: 698603			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: B Analyte detected in the associated Method Blank
S Spike Recovery outside accepted recovery limits
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits



Specialty Analytical
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Website: www.specialtyanalytical.com

Sample Receipt Checklist

Client Name TSSC

Work Order Number 2405052

RcptNo: 1

Date and Time Receive 5/6/2024 10:44:09 AM

Received by: Marty French

Completed by

Reviewed by:

Completed Date: 5/6/2024 10:44:55 AM

Reviewed Date: 5/6/2024 2:53:45 PM

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 1.3 °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



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Sample Receipt Checklist

Client Name TSSC

Work Order Number 2405052

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
2405052-001A	MP-003	Container-01 of 01	Bottle					
2405052-001B	MP-003	Container-01 of 01	Bottle					
2405052-001C	MP-003	Container-01 of 01	Bottle					
2405052-001D	MP-003	Container-01 of 01	Bottle					


**Specialty
Analytical**

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 Clackamas, OR 97015
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 Fax: 503-607-1336

Chain of Custody Record

 Client: **TSSC**

 Date: **5/6/24**
 Project Name: **TSSC**

 Page: **22** of **26**
 Project No: **TSSC**

 Laboratory Project No (Internal): **2405052**
 Temperature on Receipt: **1.2** °C
 Cooling: **Ice** Shipped Via: **overnight**

 Address: **1745 NE Columbia Blvd**

 Collected by: **Gege Martin**

 Custody Seal: **Y/N** Intact / Broken Cooler / Bottle

 City, State, Zip: **Portland OR 97211**

 State Collected: **OR** WA OTHER

 MDL **TIER IV** EDD

 Telephone: **971-826-5578**

Report To (PM):

 Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 60 days)

 AP Email: **gmartin@standardsteel.com** PM Email: **gmartin@standardsteel.com**

Sample Name	Sample Date	Sample Time	Sample Matrix*	# of Containers	Requested Tests	Comments
1 MP-CO3	5/6/24	8:05	SW	4	TOTAL Copper TOTAL Lead TOTAL ZINC TSS BOD 5 TOTAL Phosphorus Total Coli. Total Iron	
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: **V**

3 Day:

2 Day:

Next Day:

Same Day:

Expedited turn-around requests should be coordinated in advance

Requisitioned

Date/Time

Received

Date/Time

Requisitioned

Date/Time

Received

Date/Time

Requisitioned

Date/Time

Received

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: 5/6/24 7:33 AM

Calibration Solution 4.01 S.U. 3.9

Calibration Solution 7.00 S.U. 6.9

Calibration Solution 10.01 S.U. 10.3

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		<u>5/6/24</u>	<u>5/6/24</u>
Monitoring Point 003	<u>7.8</u>	<u>5/6/24 7:54 AM</u>	<u>5/6/24 7:59 AM</u>
Calibrated and Measured By:		Signature:	



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Definition Only

WO#: 2405052
Date: 5/16/2024

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.



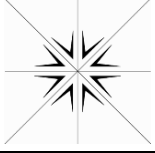
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Definition Only

WO#: 2405052
Date: 5/16/2024

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#: **2405052**

Date: **5/16/2024**

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.