

LAB CHRONICLE

OrderID: Q3852	OrderDate: 12/12/2025 10:58:00 AM
Client: Pacific Commercial Services Inc.	Project: Red Hill Pipeline Demo
Contact: Wendi Zheng	Location: G12

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3852-01	TK 9&10 12"	SOIL			12/10/25 08:00			12/12/25
			Corrosivity	9045D				
			Ignitability	1030				
Q3852-02	AI COVE 11 12"	SOIL			12/10/25 08:15			12/12/25
			Corrosivity	9045D				
			Ignitability	1030				
Q3852-03	AI COVE 15&16 12"	SOIL			12/10/25 08:30			12/12/25
			Corrosivity	9045D				
			Ignitability	1030				
Q3852-04	TK 9&10 20"	SOIL			12/10/25 08:45			12/12/25
			Corrosivity	9045D				
			Ignitability	1030				
Q3852-05	AI COVE 16 20"	SOIL			12/10/25 09:00			12/12/25
			Corrosivity	9045D				

LAB CHRONICLE

Q3852-06	TK 7&8 20"	SOIL	Ignitability	1030		12/16/25 10:47	
					12/10/25 09:15		12/12/25
			Corrosivity	9045D		12/15/25 10:37	
			Ignitability	1030		12/16/25 10:55	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client: Pacific Commercial Services Inc.
Project: Red Hill Pipeline Demo
Client Sample ID: TK 9&10 12"
Lab Sample ID: Q3852-01

Date Collected: 12/10/25 08:00
Date Received: 12/12/25
SDG No.: Q3852
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.19	H	1	0	0	0	pH		12/15/25 09:44	9045D
Ignitability	NO		1	0	0	0	oC		12/16/25 10:10	1030

Comments: pH result reported at temperature 21.5 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client: Pacific Commercial Services Inc.
Project: Red Hill Pipeline Demo
Client Sample ID: AI COVE 11 12"
Lab Sample ID: Q3852-02

Date Collected: 12/10/25 08:15
Date Received: 12/12/25
SDG No.: Q3852
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.28	H	1	0	0	0	pH		12/15/25 09:50	9045D
Ignitability	NO		1	0	0	0	oC		12/16/25 10:24	1030

Comments: pH result reported at temperature 21.7 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client: Pacific Commercial Services Inc.
Project: Red Hill Pipeline Demo
Client Sample ID: AI COVE 15&16 12"
Lab Sample ID: Q3852-03

Date Collected: 12/10/25 08:30
Date Received: 12/12/25
SDG No.: Q3852
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.11	H	1	0	0	0	pH		12/15/25 10:00	9045D
Ignitability	NO		1	0	0	0	oC		12/16/25 10:32	1030

Comments: pH result reported at temperature 21.7 °C

U = Not Detected

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LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client: Pacific Commercial Services Inc.
Project: Red Hill Pipeline Demo
Client Sample ID: TK 9&10 20"
Lab Sample ID: Q3852-04

Date Collected: 12/10/25 08:45
Date Received: 12/12/25
SDG No.: Q3852
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.21	H	1	0	0	0	pH		12/15/25 10:10	9045D
Ignitability	NO		1	0	0	0	oC		12/16/25 10:40	1030

Comments: pH result reported at temperature 21.9 °C

U = Not Detected

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client: Pacific Commercial Services Inc.
Project: Red Hill Pipeline Demo
Client Sample ID: AI COVE 16 20"
Lab Sample ID: Q3852-05

Date Collected: 12/10/25 09:00
Date Received: 12/12/25
SDG No.: Q3852
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.42	H	1	0	0	0	pH		12/15/25 10:30	9045D
Ignitability	NO		1	0	0	0	oC		12/16/25 10:47	1030

Comments: pH result reported at temperature 21.7 °C

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MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

Report of Analysis

Client: Pacific Commercial Services Inc.
Project: Red Hill Pipeline Demo
Client Sample ID: TK 7&8 20"
Lab Sample ID: Q3852-06

Date Collected: 12/10/25 09:15
Date Received: 12/12/25
SDG No.: Q3852
Matrix: SOIL
% Solid: 100

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	5.14	H	1	0	0	0	pH		12/15/25 10:37	9045D
Ignitability	NO		1	0	0	0	oC		12/16/25 10:55	1030

Comments: pH result reported at temperature 21.5 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Pacific Commercial Services Inc.

SDG No.: Q3852

Project: Red Hill Pipeline Demo

RunNo.: LB138215

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	6.99	7	100	90-110	12/15/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	12/15/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	12/15/2025

Duplicate Sample Summary

Client:	Pacific Commercial Services Inc.	SDG No.:	Q3852
Project:	Red Hill Pipeline Demo	Sample ID:	Q3852-01
Client ID:	TK 9&10 12"DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		12/16/2025

Duplicate Sample Summary

Client:	Pacific Commercial Services Inc.	SDG No.:	Q3852
Project:	Red Hill Pipeline Demo	Sample ID:	Q3862-04
Client ID:	TP02-MH09-WCDUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Corrosivity	pH	+/-20	10.7		10.7		1	0.19		12/15/2025

Duplicate Sample Summary

Client:	Pacific Commercial Services Inc.	SDG No.:	Q3852
Project:	Red Hill Pipeline Demo	Sample ID:	Q3881-03
Client ID:	DM-X-76DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		12/16/2025