

Cover Page

Order ID : Q3644

Project ID : Quartz Plant - Stormwater Bench Monitoring

Client : Dal Tile - Quartz Plant

Lab Sample Number

Q3644-01
Q3644-02
Q3644-03
Q3644-04

Client Sample Number

OUTFALL-001
OUTFALL-002
OUTFALL-003
OUTFALL-004

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Dal Tile - Quartz Plant

Project Name: Quartz Plant - Stormwater Bench Monitoring

Project # N/A

Order ID # Q3644

Test Name: TSS

A. Number of Samples and Date of Receipt:

4 Water samples were received on 11/14/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: TSS. This data package contains results for TSS.

C. Analytical Techniques:

The analysis of TSS was based on method SM2540 D.

D. QA/ QC Samples:

The Holding Times were met for all samples except for OUTFALL-001 of TSS, for OUTFALL-002 of TSS, for OUTFALL-003 of TSS and for OUTFALL-004 of TSS as samples were Receive out of holding time.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3644

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/19/2025

LAB CHRONICLE

OrderID: Q3644	OrderDate: 11/14/2025 10:56:03 AM
Client: Dal Tile - Quartz Plant	Project: Quartz Plant - Stormwater Bench Monitoring
Contact: Tony Patterson	Location: D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3644-01	OUTFALL-001	WATER	TSS	SM2540 D	11/07/25 10:42		11/14/25 14:00	11/14/25
Q3644-02	OUTFALL-002	WATER	TSS	SM2540 D	11/07/25 10:43		11/14/25 14:00	11/14/25
Q3644-03	OUTFALL-003	WATER	TSS	SM2540 D	11/07/25 10:36		11/14/25 14:00	11/14/25
Q3644-04	OUTFALL-004	WATER	TSS	SM2540 D	11/07/25 11:05		11/14/25 14:00	11/14/25



SAMPLE DATA

Report of Analysis

Client:	Dal Tile - Quartz Plant	Date Collected:	11/07/25 10:42
Project:	Quartz Plant - Stormwater Bench Monitoring	Date Received:	11/14/25
Client Sample ID:	OUTFALL-001	SDG No.:	Q3644
Lab Sample ID:	Q3644-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	11.4		1	1.00	4.00	mg/L		11/14/25 14:00	SM 2540 D-20

Comments: _____

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:	Dal Tile - Quartz Plant	Date Collected:	11/07/25 10:43
Project:	Quartz Plant - Stormwater Bench Monitoring	Date Received:	11/14/25
Client Sample ID:	OUTFALL-002	SDG No.:	Q3644
Lab Sample ID:	Q3644-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	5.60		1	1.00	4.00	mg/L		11/14/25 14:00	SM 2540 D-20

Comments: _____

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:	Dal Tile - Quartz Plant	Date Collected:	11/07/25 10:36
Project:	Quartz Plant - Stormwater Bench Monitoring	Date Received:	11/14/25
Client Sample ID:	OUTFALL-003	SDG No.:	Q3644
Lab Sample ID:	Q3644-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	9.40		1	1.00	4.00	mg/L		11/14/25 14:00	SM 2540 D-20

Comments: _____

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:	Dal Tile - Quartz Plant	Date Collected:	11/07/25 11:05
Project:	Quartz Plant - Stormwater Bench Monitoring	Date Received:	11/14/25
Client Sample ID:	OUTFALL-004	SDG No.:	Q3644
Lab Sample ID:	Q3644-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	25.4		1	1.00	4.00	mg/L		11/14/25 14:00	SM 2540 D-20

Comments: _____

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



QC RESULT SUMMARY

Preparation Blank Summary

Client: Dal Tile - Quartz Plant

SDG No.: Q3644

Project: Quartz Plant - Stormwater Bench Monitoring

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB137913BL						
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/14/2025

Duplicate Sample Summary

Client:	Dal Tile - Quartz Plant	SDG No.:	Q3644
Project:	Quartz Plant - Stormwater Bench Monitoring	Sample ID:	Q3630-05
Client ID:	DSN003DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	4.00		4.00		1	0		11/14/2025

Laboratory Control Sample Summary

Client:	Dal Tile - Quartz Plant	SDG No.:	Q3644
Project:	Quartz Plant - Stormwater Bench Monitoring	Run No.:	LB137913

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137913BS							
TSS	mg/L	550	538		98	1	90-110	11/14/2025



RAW DATA

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: JIGNESH

Date: 11/14/2025

Run Number: LB137913

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 11/14/2025 14:00 **TEMP1 OUT:** 103 °C 11/14/2025 15:00
TEMP2 IN: 104 °C 11/14/2025 15:30 **TEMP2 OUT:** 103 °C 11/14/2025 16:35
TEMP3 IN: 104 °C 11/17/2025 12:30 **TEMP3 OUT:** 103 °C 11/17/2025 14:00
TEMP4 IN: 104 °C 11/17/2025 14:30 **TEMP4 OUT:** 103 °C 11/17/2025 16:10

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB137913BL	LB137913BL	1.3562	1.3563	100	1.3563	1.3563	1.3563	0.0000	0
2	LB137913BS	LB137913BS	1.4742	1.4742	100	1.5280	1.5280	1.5280	0.0538	538
3	Q3608-02	Comp	1.4970	1.4970	500	1.5353	1.5353	1.5353	0.0383	76.6
4	Q3616-05	Composite	1.4676	1.4676	700	1.4901	1.4901	1.4901	0.0225	32.1
5	Q3629-01	TOWER-1	1.4972	1.4973	2000	1.5183	1.5183	1.5183	0.0210	10.5
6	Q3630-01	DSN002	1.4550	1.4551	1000	1.4652	1.4652	1.4652	0.0101	10.1
7	Q3630-03	DSN001	1.4832	1.4832	1000	1.5257	1.5257	1.5257	0.0425	42.5
8	Q3630-05	DSN003	1.4867	1.4867	1000	1.4907	1.4907	1.4907	0.0040	4
9	Q3630-05DUP	DSN003DUP	1.4838	1.4838	1000	1.4878	1.4878	1.4878	0.0040	4
10	Q3644-01	OUTFALL-001	1.4739	1.4739	800	1.4830	1.4830	1.4830	0.0091	11.4
11	Q3644-02	OUTFALL-002	1.4851	1.4851	800	1.4896	1.4896	1.4896	0.0045	5.6
12	Q3644-03	OUTFALL-003	1.4905	1.4905	700	1.4971	1.4971	1.4971	0.0066	9.4
13	Q3644-04	OUTFALL-004	1.4909	1.4909	800	1.5112	1.5112	1.5112	0.0203	25.4

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: JIGNESH

Date: 11/14/2025

Run Number: LB137913

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 11/14/2025 14:00 **TEMP1 OUT:** 103 °C 11/14/2025 15:00
TEMP2 IN: 104 °C 11/14/2025 15:30 **TEMP2 OUT:** 103 °C 11/14/2025 16:35
TEMP3 IN: 104 °C 11/17/2025 12:30 **TEMP3 OUT:** 103 °C 11/17/2025 14:00
TEMP4 IN: 104 °C 11/17/2025 14:30 **TEMP4 OUT:** 103 °C 11/17/2025 16:10

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L

A = Sample Volume (ml)
 B = Final Empty Dish Weight (g)
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)
 D = Weight (g)

Weight (g) = C - B

Result mg/L = $\frac{D}{A} \times 1000 \times 1000$

WORKLIST(Hardcopy Internal Chain)

137913

WorkList Name : tss q3658

WorkList ID : 193151

Department : Wet-Chemistry

Date : 11-17-2025 09:37:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3608-02	Comp	Water	TSS	Cool 4 deg C	ARAM01	A11	11/12/2025	SM2540 D
Q3616-05	Composite	Water	TSS	Cool 4 deg C	DALT01	D31	11/11/2025	SM2540 D
Q3629-01	TOWER-1	Water	TSS	Cool 4 deg C	PSEG04	D41	11/13/2025	SM2540 D
Q3630-01	DSN002	Water	TSS	Cool 4 deg C	PSEG04	D41	11/13/2025	SM2540 D
Q3630-03	DSN001	Water	TSS	Cool 4 deg C	PSEG04	D41	11/13/2025	SM2540 D
Q3630-05	DSN003	Water	TSS	Cool 4 deg C	PSEG04	D41	11/13/2025	SM2540 D
Q3644-01	OUTFALL-001	Water	TSS	Cool 4 deg C	DALT02	D41	11/14/2025	SM2540 D
Q3644-02	OUTFALL-002	Water	TSS	Cool 4 deg C	DALT02	D41	11/14/2025	SM2540 D
Q3644-03	OUTFALL-003	Water	TSS	Cool 4 deg C	DALT02	D41	11/14/2025	SM2540 D
Q3644-04	OUTFALL-004	Water	TSS	Cool 4 deg C	DALT02	D41	11/14/2025	SM2540 D

Date/Time 11-17-25 09:45
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11-17-25
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137913

Review By	JIGNESH	Review On	11/18/2025 11:30:52 AM
Supervise By	Iwona	Supervise On	11/20/2025 12:24:14 PM
SubDirectory	LB137913	Test	TSS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137913BL	LB137913BL	MB	11/17/25 12:30		JIGNESH	OK
2	LB137913BS	LB137913BS	LCS	11/17/25 12:30		JIGNESH	OK
3	Q3608-02	Comp	SAM	11/17/25 12:30		JIGNESH	OK
4	Q3616-05	Composite	SAM	11/17/25 12:30		JIGNESH	OK
5	Q3629-01	TOWER-1	SAM	11/17/25 12:30		JIGNESH	OK
6	Q3630-01	DSN002	SAM	11/17/25 12:30		JIGNESH	OK
7	Q3630-03	DSN001	SAM	11/17/25 12:30		JIGNESH	OK
8	Q3630-05	DSN003	SAM	11/17/25 12:30		JIGNESH	OK
9	Q3630-05DUP	DSN003DUP	DUP	11/17/25 12:30		JIGNESH	OK
10	Q3644-01	OUTFALL-001	SAM	11/17/25 12:30		JIGNESH	OK
11	Q3644-02	OUTFALL-002	SAM	11/17/25 12:30		JIGNESH	OK
12	Q3644-03	OUTFALL-003	SAM	11/17/25 12:30		JIGNESH	OK
13	Q3644-04	OUTFALL-004	SAM	11/17/25 12:30		JIGNESH	OK

Prep Standard - Chemical Standard Summary

Order ID : Q3644

Test : TSS

Prepbatch ID :

Sequence ID/Qc Batch ID: LB137913,

Standard ID :

Chemical ID :

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
				/	/	



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: DAL-Tile Quartz
ADDRESS: 1665 Old Columbia Rd
CITY: Dickson STATE: TN ZIP: 37085
ATTENTION: Tony Patterson
PHONE: 214 309 4003 FAX:

PROJECT NAME: Annual SW sample
PROJECT NO.: 2025 LOCATION: Quartz
PROJECT MANAGER: Tony Patterson
e-mail: Tony.Patterson@daltile.com
PHONE: 629-294-0951 FAX:

BILL TO: PO#: ADDRESS: CITY: STATE: ZIP: ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

TSS

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1. <u>Outfall 001</u>	<u>Outfall 001</u>	<u>W</u>		<u>X</u>	<u>11-7-25</u>	<u>1042</u>	<u>1</u>	<u>X</u>									
2. <u>Outfall 002</u>	<u>Outfall 002</u>	<u>W</u>		<u>X</u>	<u>11-7-25</u>	<u>1043</u>	<u>4</u>	<u>X</u>									
3. <u>Outfall 003</u>	<u>Outfall 003</u>	<u>W</u>		<u>X</u>	<u>11-7-25</u>	<u>1036</u>	<u>1</u>	<u>X</u>									
4. <u>Outfall 004</u>	<u>Outfall 004</u>	<u>W</u>		<u>X</u>	<u>11-7-25</u>	<u>1105</u>	<u>1</u>	<u>X</u>									
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.1°C + 0.5 = 2.6°C</u>
1. <u>[Signature]</u>	<u>11.12.25/3:32PM</u>	1. <u>[Signature]</u>	Comments: <u>IF - Gunk</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>	<u>11/14/25</u>	2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <u>[Signature]</u>		3. <u>[Signature]</u>	

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312