

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : WASTE WATER

DAL-TILE - DICKSON PLANT
187 Warren G. | Medley Drive

Dickson, TN - 37055

Phone No: 214-309-4003

ORDER ID : Q3258

ATTENTION : MIchel Gil



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3258

Project ID : Waste Water

Client : Dal-Tile - Dickson Plant

Lab Sample Number

Q3258-01
Q3258-04
Q3258-05
Q3258-06
Q3258-08
Q3258-09

Client Sample Number

MONTHLY-CYANIDE
ADDITIONAL-CYANIDE-3
OIL-AND-GREASE
COMPOSITE
ADDITIONAL-CYANIDE-1
ADDITIONAL-CYANIDE-2

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: 10/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Dal-Tile - Dickson Plant

Project Name: Waste Water

Project # N/A

Order ID # Q3258

Test Name: Mercury,Metal ICP-Group1Ammonia,BOD5,Cyanide,Hexavalent Chromium,Oil and Grease,Phosphorus-Total,TSS

A. Number of Samples and Date of Receipt:

6 Water samples were received on 10/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury,Metal ICP-Group1Ammonia,BOD5,Cyanide,Hexavalent Chromium,Oil and Grease,Phosphorus-Total,TSS. This data package contains results for Mercury(7470A), Metal ICP-Group1(6010D)Ammonia(SM4500-NH3),BOD5(SM5210 B), Cyanide(SM4500-CN C,E),Hexavalent Chromium(7196A),Oil and Grease(1664A), Phosphorus-Total(365.3),TSS(SM2540 D).

C. Analytical Techniques:

Mercury,Metals ICP-Group1 : The analysis of Metals ICP-Group1 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

Wetchem : The analysis of Oil and Grease was based on method 1664A, The analysis of Phosphorus-Total was based on method 365.3, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of TSS was based on method SM2540 D, The analysis of Cyanide was based on method SM4500-CN C,E, The analysis of Ammonia was based on method SM4500-NH3 and The analysis of BOD5 was based on method SM5210 B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

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The Duplicate analysis met criteria for all compounds.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

Ammonia, BOD5, Cyanide, Hexavalent Chromium, Oil and Grease, Phosphorus-Total, TSS :
As per method, aqueous sample for Hexavalent Chromium analysis should be filtered within 15 minutes of collection time. However, samples were not filtered as per requirement therefore Lab has filtered the samples in-house and analyzed within 24 hours from collection.

Due to limited volume DUP, MS and MSD were not performed for Hexavalent Chromium.

As per method 1664A, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q3258 therefore Lab reported MS-MSD from Q3229

Due to low volume MS and MSD were not performed for PB170085 of Cyanide.

This package has been revised because Sample#08 and Sample#09 added for Cyanide.

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 #: Q3258

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: 10/10/2025

LAB CHRONICLE

OrderID:	Q3258	OrderDate:	10/1/2025 10:50:59 AM
Client:	Dal-Tile - Dickson Plant	Project:	Waste Water
Contact:	Michel Gil	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3258-06	COMPOSITE	Water	Mercury	7470A	09/30/25	10/02/25	10/03/25	10/01/25
			Metals ICP-Group1	6010D		10/02/25	10/03/25	

Hit Summary Sheet
SW-846

SDG No.: Q3258

Order ID: Q3258

Client: Dal-Tile - Dickson Plant

Project ID: Waste Water

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMPOSITE								
Q3258-06	COMPOSITE	Water	Arsenic	57.2		2.56	10.0	ug/L
Q3258-06	COMPOSITE	Water	Chromium	10.8		1.06	5.00	ug/L
Q3258-06	COMPOSITE	Water	Copper	21.5		2.30	10.0	ug/L
Q3258-06	COMPOSITE	Water	Lead	1.17	J	1.15	6.00	ug/L
Q3258-06	COMPOSITE	Water	Mercury	2.85		0.076	0.20	ug/L
Q3258-06	COMPOSITE	Water	Nickel	13.1	J	1.53	20.0	ug/L
Q3258-06	COMPOSITE	Water	Selenium	748		4.82	10.0	ug/L
Q3258-06	COMPOSITE	Water	Zinc	392		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Dal-Tile - Dickson Plant	Date Collected:	09/30/25
Project:	Waste Water	Date Received:	10/01/25
Client Sample ID:	COMPOSITE	SDG No.:	Q3258
Lab Sample ID:	Q3258-06	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	57.2		1	2.56	10.0	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7440-43-9	Cadmium	0.25	U	1	0.25	3.00	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7440-47-3	Chromium	10.8		1	1.06	5.00	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7440-50-8	Copper	21.5		1	2.30	10.0	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7439-92-1	Lead	1.17	J	1	1.15	6.00	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7439-97-6	Mercury	2.85		1	0.076	0.20	ug/L	10/02/25 14:20	10/03/25 11:57	7470A	
7440-02-0	Nickel	13.1	J	1	1.53	20.0	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7782-49-2	Selenium	748		1	4.82	10.0	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010
7440-66-6	Zinc	392		1	8.33	20.0	ug/L	10/02/25 10:20	10/03/25 15:29	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	Metals Group1			

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

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



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile - Dickson Plant
Contract: DALT01
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3258
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV58	Mercury	4.11	4.0	103	90 - 110	CV	10/03/2025	11:12	LB137412

A

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile - Dickson Plant
Contract: DALT01
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

SDG No.: Q3258
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV80	Mercury	5.26	5.0	105	90 - 110	CV	10/03/2025	11:16	LB137412
CCV81	Mercury	5.23	5.0	104	90 - 110	CV	10/03/2025	11:50	LB137412
CCV82	Mercury	4.53	5.0	91	90 - 110	CV	10/03/2025	12:35	LB137412

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>Dal-Tile - Dickson Plant</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>
Initial Calibration Source:	<u>EPA</u>		
Continuing Calibration Source:	<u>Inorganic Ventures</u>		

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3940	4000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Cadmium	1950	2000	98	90 - 110	P	10/03/2025	12:18	LB137426
	Chromium	799	800	100	90 - 110	P	10/03/2025	12:18	LB137426
	Copper	1010	1000	101	90 - 110	P	10/03/2025	12:18	LB137426
	Lead	3840	4000	96	90 - 110	P	10/03/2025	12:18	LB137426
	Nickel	1960	2000	98	90 - 110	P	10/03/2025	12:18	LB137426
	Selenium	3960	4000	99	90 - 110	P	10/03/2025	12:18	LB137426
	Zinc	1980	2000	99	90 - 110	P	10/03/2025	12:18	LB137426

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>Dal-Tile - Dickson Plant</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>
Initial Calibration Source:	<u>EPA</u>		
Continuing Calibration Source:	<u>Inorganic Ventures</u>		

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.0	20.0	110	80 - 120	P	10/03/2025	13:05	LB137426
	Cadmium	6.05	6.0	101	80 - 120	P	10/03/2025	13:05	LB137426
	Chromium	10.4	10.0	104	80 - 120	P	10/03/2025	13:05	LB137426
	Copper	21.3	20.0	107	80 - 120	P	10/03/2025	13:05	LB137426
	Lead	12.8	12.0	107	80 - 120	P	10/03/2025	13:05	LB137426
	Nickel	41.3	40.0	103	80 - 120	P	10/03/2025	13:05	LB137426
	Selenium	19.3	20.0	96	80 - 120	P	10/03/2025	13:05	LB137426
	Zinc	42.4	40.0	106	80 - 120	P	10/03/2025	13:05	LB137426

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile - Dickson Plant

Contract: DALT01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3258

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5030	5000	100	90 - 110	P	10/03/2025	13:37	LB137426
	Cadmium	2490	2500	100	90 - 110	P	10/03/2025	13:37	LB137426
	Chromium	989	1000	99	90 - 110	P	10/03/2025	13:37	LB137426
	Copper	1260	1250	101	90 - 110	P	10/03/2025	13:37	LB137426
	Lead	4940	5000	99	90 - 110	P	10/03/2025	13:37	LB137426
	Nickel	2490	2500	100	90 - 110	P	10/03/2025	13:37	LB137426
	Selenium	5050	5000	101	90 - 110	P	10/03/2025	13:37	LB137426
	Zinc	2480	2500	99	90 - 110	P	10/03/2025	13:37	LB137426
CCV02	Arsenic	4990	5000	100	90 - 110	P	10/03/2025	15:00	LB137426
	Cadmium	2460	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
	Chromium	984	1000	98	90 - 110	P	10/03/2025	15:00	LB137426
	Copper	1240	1250	99	90 - 110	P	10/03/2025	15:00	LB137426
	Lead	4890	5000	98	90 - 110	P	10/03/2025	15:00	LB137426
	Nickel	2450	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
	Selenium	5040	5000	101	90 - 110	P	10/03/2025	15:00	LB137426
	Zinc	2450	2500	98	90 - 110	P	10/03/2025	15:00	LB137426
CCV03	Arsenic	5080	5000	102	90 - 110	P	10/03/2025	15:51	LB137426
	Cadmium	2440	2500	98	90 - 110	P	10/03/2025	15:51	LB137426
	Chromium	972	1000	97	90 - 110	P	10/03/2025	15:51	LB137426
	Copper	1250	1250	100	90 - 110	P	10/03/2025	15:51	LB137426
	Lead	4860	5000	97	90 - 110	P	10/03/2025	15:51	LB137426
	Nickel	2450	2500	98	90 - 110	P	10/03/2025	15:51	LB137426
	Selenium	5170	5000	103	90 - 110	P	10/03/2025	15:51	LB137426
	Zinc	2490	2500	100	90 - 110	P	10/03/2025	15:51	LB137426
CCV04	Arsenic	4930	5000	99	90 - 110	P	10/03/2025	16:45	LB137426
	Cadmium	2360	2500	94	90 - 110	P	10/03/2025	16:45	LB137426
	Chromium	938	1000	94	90 - 110	P	10/03/2025	16:45	LB137426
	Copper	1210	1250	97	90 - 110	P	10/03/2025	16:45	LB137426
	Lead	4700	5000	94	90 - 110	P	10/03/2025	16:45	LB137426
	Nickel	2370	2500	95	90 - 110	P	10/03/2025	16:45	LB137426
	Selenium	5060	5000	101	90 - 110	P	10/03/2025	16:45	LB137426
	Zinc	2420	2500	97	90 - 110	P	10/03/2025	16:45	LB137426

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client:	<u>Dal-Tile - Dickson Plant</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>
Initial Calibration Source:	<u></u>		
Continuing Calibration Source:	<u></u>		

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.18	0.2	90	70 - 130	CV	10/03/2025	11:21	LB137412
CRI01	Arsenic	21.4	20.0	107	65 - 135	P	10/03/2025	13:16	LB137426
	Cadmium	6.04	6.0	101	65 - 135	P	10/03/2025	13:16	LB137426
	Chromium	9.90	10.0	99	65 - 135	P	10/03/2025	13:16	LB137426
	Copper	21.2	20.0	106	65 - 135	P	10/03/2025	13:16	LB137426
	Lead	10.2	12.0	85	65 - 135	P	10/03/2025	13:16	LB137426
	Nickel	40.9	40.0	102	65 - 135	P	10/03/2025	13:16	LB137426
	Selenium	21.2	20.0	106	65 - 135	P	10/03/2025	13:16	LB137426
	Zinc	42.0	40.0	105	65 - 135	P	10/03/2025	13:16	LB137426



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB58	Mercury	0.076	+/-0.2	U	0.20	CV	10/03/2025	11:14	LB137412

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile - Dickson Plant **SDG No.:** Q3258
Contract: DALT01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB80	Mercury	0.076	+/-0.2	U	0.20	CV	10/03/2025	11:18	LB137412
CCB81	Mercury	0.076	+/-0.2	U	0.20	CV	10/03/2025	11:53	LB137412
CCB82	Mercury	0.076	+/-0.2	U	0.20	CV	10/03/2025	12:40	LB137412

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile - Dickson Plant **SDG No.:** Q3258
Contract: DALT01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	13:12	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	13:12	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	13:12	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	13:12	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	13:12	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	13:12	LB137426

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile - Dickson Plant **SDG No.:** Q3258
Contract: DALT01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	13:41	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	13:41	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	13:41	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	13:41	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	13:41	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	13:41	LB137426
CCB02	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	15:04	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	15:04	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	15:04	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	15:04	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	15:04	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	15:04	LB137426
CCB03	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	16:00	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	16:00	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	16:00	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	16:00	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	16:00	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	16:00	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	16:00	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	16:00	LB137426
CCB04	Arsenic	5.12	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Cadmium	0.50	+/-3	U	6.00	P	10/03/2025	16:49	LB137426
	Chromium	2.12	+/-5	U	10.0	P	10/03/2025	16:49	LB137426
	Copper	4.60	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Lead	2.30	+/-6	U	12.0	P	10/03/2025	16:49	LB137426
	Nickel	3.06	+/-20	U	40.0	P	10/03/2025	16:49	LB137426
	Selenium	9.64	+/-10	U	20.0	P	10/03/2025	16:49	LB137426
	Zinc	16.7	+/-20	U	40.0	P	10/03/2025	16:49	LB137426

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169961BL		WATER		Batch Number:	PB169961		Prep Date:	10/02/2025	
	Mercury	0.076	<0.2	U	0.20	CV	10/03/2025	11:34	LB137412

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169958BL	WATER			Batch Number:	PB169958		Prep Date:	10/02/2025	
	Arsenic	2.56	<5	U	10.0	P	10/03/2025	14:16	LB137426
	Cadmium	0.25	<1.5	U	3.00	P	10/03/2025	14:16	LB137426
	Chromium	1.06	<2.5	U	5.00	P	10/03/2025	14:16	LB137426
	Copper	2.30	<5	U	10.0	P	10/03/2025	14:16	LB137426
	Lead	1.15	<3	U	6.00	P	10/03/2025	14:16	LB137426
	Nickel	1.53	<10	U	20.0	P	10/03/2025	14:16	LB137426
	Selenium	4.82	<5	U	10.0	P	10/03/2025	14:16	LB137426
	Zinc	8.33	<10	U	20.0	P	10/03/2025	14:16	LB137426

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Dal-Tile - Dickson Plant</u>	SDG No.: <u>Q3258</u>
Contract: <u>DALT01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	8.41			-20	20	10/03/2025	13:20	LB137426
	Cadmium	0.91	1.0	91	-5	7	10/03/2025	13:20	LB137426
	Chromium	46.6	52.0	90	42	62	10/03/2025	13:20	LB137426
	Copper	3.06	2.0	153	-18	22	10/03/2025	13:20	LB137426
	Lead	0.97			-12	12	10/03/2025	13:20	LB137426
	Nickel	3.93	2.0	196	-38	42	10/03/2025	13:20	LB137426
	Selenium	9.27			-20	20	10/03/2025	13:20	LB137426
	Zinc	1.66			-40	40	10/03/2025	13:20	LB137426
ICSAB01	Arsenic	110	104	106	88.4	120	10/03/2025	13:25	LB137426
	Cadmium	980	972	101	826	1120	10/03/2025	13:25	LB137426
	Chromium	553	542	102	460	624	10/03/2025	13:25	LB137426
	Copper	484	511	95	434	588	10/03/2025	13:25	LB137426
	Lead	49.1	49.0	100	37	61	10/03/2025	13:25	LB137426
	Nickel	981	954	103	810	1100	10/03/2025	13:25	LB137426
	Selenium	56.4	46.0	123	26	66	10/03/2025	13:25	LB137426
	Zinc	1030	952	108	809	1095	10/03/2025	13:25	LB137426



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Dal-Tile - Dickson Plant</u>	level: <u>low</u>	sdg no.: <u>Q3258</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3252-05</u>	client id: <u>AUD-25-0161MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3252-05MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.66		0.20	U	4.0	92		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Dal-Tile - Dickson Plant</u>	level:	<u>low</u>	sdg no.:	<u>Q3258</u>
contract:	<u>DALT01</u>			lab code:	<u>ACE</u>
matrix:	<u>Water</u>	sample id:	<u>Q3252-05</u>	client id:	<u>AUD-25-0161MSD</u>
Percent Solids for Sample:	NA	Spiked ID:	Q3252-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	3.85		0.20	U	4.0	96		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Dal-Tile - Dickson Plant</u>	level: <u>low</u>	sdg no.: <u>Q3258</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3263-02</u>	client id: <u>266380MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3263-02MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	382		10.0	U	400	96		P
Cadmium	ug/L	75 - 125	88.3		3.00	U	100	88		P
Chromium	ug/L	75 - 125	188		5.00	U	200	94		P
Copper	ug/L	75 - 125	141		10.0	U	150	94		P
Lead	ug/L	75 - 125	430		6.00	U	500	86		P
Nickel	ug/L	75 - 125	233		6.71	J	250	90		P
Selenium	ug/L	75 - 125	961		10.0	U	1000	96		P
Zinc	ug/L	75 - 125	173		75.6		100	97		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Dal-Tile - Dickson Plant</u>	level: <u>low</u>	sdg no.: <u>Q3258</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3263-02</u>	client id: <u>266380MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3263-02MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	381		10.0	U	400	95		P
Cadmium	ug/L	75 - 125	88.0		3.00	U	100	88		P
Chromium	ug/L	75 - 125	185		5.00	U	200	92		P
Copper	ug/L	75 - 125	140		10.0	U	150	93		P
Lead	ug/L	75 - 125	430		6.00	U	500	86		P
Nickel	ug/L	75 - 125	232		6.71	J	250	90		P
Selenium	ug/L	75 - 125	956		10.0	U	1000	96		P
Zinc	ug/L	75 - 125	173		75.6		100	97		P

Metals
- 5b -

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Matrix:

Level: LOW

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3252-05</u>	Client ID:	<u>AUD-25-0161DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3252-05DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	U	0.20	U			CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3252-05MS</u>	Client ID:	<u>AUD-25-0161MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3252-05MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.66		3.85		5		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3263-02</u>	Client ID:	<u>266380DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3263-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	10.0	U	10.0	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Chromium	ug/L	20	5.00	U	5.00	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Lead	ug/L	20	6.00	U	6.00	U			P
Nickel	ug/L	20	6.71	J	7.09	J	6		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Zinc	ug/L	20	75.6		80.4		6		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3263-02MS</u>	Client ID:	<u>266380MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3263-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	382		381		0		P
Cadmium	ug/L	20	88.3		88.0		0		P
Chromium	ug/L	20	188		185		2		P
Copper	ug/L	20	141		140		1		P
Lead	ug/L	20	430		430		0		P
Nickel	ug/L	20	233		232		0		P
Selenium	ug/L	20	961		956		1		P
Zinc	ug/L	20	173		173		0		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169958BS							
Arsenic	ug/L	400	384		96	80 - 120	P
Cadmium	ug/L	100	94.8		95	80 - 120	P
Chromium	ug/L	200	208		104	80 - 120	P
Copper	ug/L	150	150		100	80 - 120	P
Lead	ug/L	500	466		93	80 - 120	P
Nickel	ug/L	250	247		99	80 - 120	P
Selenium	ug/L	1000	971		97	80 - 120	P
Zinc	ug/L	100	99.5		100	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Dal-Tile - Dickson Plant</u>	SDG No.:	<u>Q3258</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169961BS Mercury	ug/L	4.0	4.10		102	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

AUD-25-0161L

Lab Name: Alliance **Contract:** DALT01
Lab Code: ACE **Lb No.:** lb137412 **Lab Sample ID :** Q3252-05L **SDG No.:** Q3258
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.20 U	1.00 U			CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

266380L

Lab Name: Alliance **Contract:** DALT01
Lab Code: ACE **Lb No.:** lb137426 **Lab Sample ID :** Q3263-02L **SDG No.:** Q3258
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Arsenic	10.0	U	50.0	U			P
Cadmium	3.00	U	15.0	U			P
Chromium	5.00	U	25.0	U			P
Copper	10.0	U	50.0	U			P
Lead	6.00	U	30.0	U			P
Nickel	6.71	J	8.80	J	31		P
Selenium	10.0	U	50.0	U			P
Zinc	75.6		86.3	J	14		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals
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SAMPLE PREPARATION SUMMARY

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169958							
PB169958BL	PB169958BL	MB	WATER	10/02/2025	50.0	25.0	
PB169958BS	PB169958BS	LCS	WATER	10/02/2025	50.0	25.0	
Q3258-06	COMPOSITE	SAM	WATER	10/02/2025	50.0	25.0	
Q3263-02DUP	266380DUP	DUP	WATER	10/02/2025	50.0	25.0	
Q3263-02MS	266380MS	MS	WATER	10/02/2025	50.0	25.0	
Q3263-02MSD	266380MSD	MSD	WATER	10/02/2025	50.0	25.0	

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Contract: DALT01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169961							
PB169961BL	PB169961BL	MB	WATER	10/02/2025	30.0	30.0	
PB169961BS	PB169961BS	LCS	WATER	10/02/2025	30.0	30.0	
Q3252-05DUP	AUD-25-0161DUP	DUP	WATER	10/02/2025	30.0	30.0	
Q3252-05MS	AUD-25-0161MS	MS	WATER	10/02/2025	30.0	30.0	
Q3252-05MSD	AUD-25-0161MSD	MSD	WATER	10/02/2025	30.0	30.0	
Q3258-06	COMPOSITE	SAM	WATER	10/02/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Dal-Tile - Dickson Plant

Contract: DALT01

Lab code: ACE

Sdg no.: Q3258

Instrument id number: _____

Method: _____

Run number: LB137412

Start date: 10/03/2025

End date: 10/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1056	HG
S0.2	S0.2	1	1059	HG
S2.5	S2.5	1	1101	HG
S5	S5	1	1103	HG
S7.5	S7.5	1	1106	HG
S10	S10	1	1108	HG
ICV58	ICV58	1	1112	HG
ICB58	ICB58	1	1114	HG
CCV80	CCV80	1	1116	HG
CCB80	CCB80	1	1118	HG
CRA	CRA	1	1121	HG
PB169961BL	PB169961BL	1	1134	HG
PB169961BS	PB169961BS	1	1136	HG
Q3252-05DUP	AUD-25-0161DUP	1	1146	HG
Q3252-05MS	AUD-25-0161MS	1	1148	HG
CCV81	CCV81	1	1150	HG
CCB81	CCB81	1	1153	HG
Q3252-05MSD	AUD-25-0161MSD	1	1155	HG
Q3258-06	COMPOSITE	1	1157	HG
Q3252-05L	AUD-25-0161L	5	1216	HG
CCV82	CCV82	1	1235	HG
CCB82	CCB82	1	1240	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Dal-Tile - Dickson Plant

Contract: DALT01

Lab code: ACE

Sdg no.: Q3258

Instrument id number: _____

Method: _____

Run number: LB137426

Start date: 10/03/2025

End date: 10/03/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1153	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1158	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1202	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1206	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1210	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1214	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1218	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1305	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1312	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1316	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1320	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1325	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1337	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1341	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB169958BL	PB169958BL	1	1416	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB169958BS	PB169958BS	1	1420	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1500	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1504	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3258-06	COMPOSITE	1	1529	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3263-02DUP	266380DUP	1	1542	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3263-02L	266380L	5	1546	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1551	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1600	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3263-02MS	266380MS	1	1604	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3263-02MSD	266380MSD	1	1608	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1645	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1649	As,Cd,Cr,Cu,Ni,Pb,Se,Zn

LAB CHRONICLE

OrderID:	Q3258	OrderDate:	10/1/2025 10:50:59 AM
Client:	Dal-Tile - Dickson Plant	Project:	Waste Water
Contact:	Michel Gil	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3258-01	MONTHLY-CYANIDE	WATER			09/29/25 14:21			10/01/25
			Cyanide	SM4500-CN C,E		10/06/25	10/06/25 14:43	
Q3258-04	ADDITIONAL-CYANIDE -3	WATER			09/30/25 14:47			10/01/25
			Cyanide	SM4500-CN C,E		10/06/25	10/06/25 14:51	
Q3258-05	OIL-AND-GREASE	WATER			09/30/25 15:05			10/01/25
			Oil and Grease	1664A			10/03/25 10:35	
Q3258-06	COMPOSITE	WATER			09/30/25 15:12			10/01/25
			Ammonia	SM4500-NH3		10/02/25	10/03/25 10:29	
			BOD5	SM5210 B			10/01/25 17:40	
			Hexavalent Chromium	7196A			10/01/25 12:47	
			Phosphorus-Total	365.3		10/09/25	10/09/25 13:29	
			TSS	SM2540 D			10/03/25 13:30	
Q3258-08	ADDITIONAL-CYANIDE -1	WATER			09/30/25 14:47			10/01/25
			Cyanide	SM4500-CN C,E		10/14/25	10/14/25 11:18	

LAB CHRONICLE

Q3258-09	ADDITIONAL-CYANIDE -2	WATER			09/30/25 14:47		10/01/25
			Cyanide	SM4500-CN C,E		10/14/25	10/14/25 11:18



SAMPLE DATA

Report of Analysis

Client: Dal-Tile - Dickson Plant
Project: Waste Water
Client Sample ID: MONTHLY-CYANIDE
Lab Sample ID: Q3258-01

Date Collected: 09/29/25 14:21
Date Received: 10/01/25
SDG No.: Q3258
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.25		1	0.0012	0.0050	mg/L	10/06/25 11:05	10/06/25 14:43	SM 4500-CN C-21 plus E-21

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 - Dickson Plant
Project: Waste Water
Client Sample ID: ADDITIONAL-CYANIDE-3
Lab Sample ID: Q3258-04

Date Collected: 09/30/25 14:47
Date Received: 10/01/25
SDG No.: Q3258
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0024	J	1	0.0012	0.0050	mg/L	10/06/25 11:05	10/06/25 14:51	SM 4500-CN C-21 plus E-21

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 - Dickson Plant
Project: Waste Water
Client Sample ID: OIL-AND-GREASE
Lab Sample ID: Q3258-05

Date Collected: 09/30/25 15:05
Date Received: 10/01/25
SDG No.: Q3258
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	3.60	J	1	0.29	5.00	mg/L		10/03/25 10:35	1664A

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 - Dickson Plant
Project: Waste Water
Client Sample ID: COMPOSITE
Lab Sample ID: Q3258-06

Date Collected: 09/30/25 15:12
Date Received: 10/01/25
SDG No.: Q3258
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.32		1	0.030	0.10	mg/L	10/02/25 14:10	10/03/25 10:29	SM 4500-NH3 B plus G-21
BOD5	349		1	0.20	2.00	mg/L		10/01/25 17:40	SM 5210 B-16
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		10/01/25 12:47	7196A
Phosphorus, Total	0.021	J	1	0.0050	0.050	mg/L	10/09/25 09:40	10/09/25 13:29	365.3
TSS	26.2		1	1.00	4.00	mg/L		10/03/25 13:30	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 - Dickson Plant	Date Collected:	09/30/25 14:47
Project:	Waste Water	Date Received:	10/01/25
Client Sample ID:	ADDITIONAL-CYANIDE-1	SDG No.:	Q3258
Lab Sample ID:	Q3258-08	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0033	J	1	0.0012	0.0050	mg/L	10/14/25 08:30	10/14/25 11:18	SM 4500-CN C-21 plus E-21

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 - Dickson Plant
Project: Waste Water
Client Sample ID: ADDITIONAL-CYANIDE-2
Lab Sample ID: Q3258-09

Date Collected: 09/30/25 14:47
Date Received: 10/01/25
SDG No.: Q3258
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.0035	J	1	0.0012	0.0050	mg/L	10/14/25 08:30	10/14/25 11:18	SM 4500-CN C-21 plus E-21

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

Initial and Continuing Calibration Verification

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137386

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	10/01/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	10/01/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.504	0.5	101	90-110	10/01/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137417

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.98	1	98	90-110	10/03/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	10/03/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	10/03/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	10/03/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.98	1	98	90-110	10/03/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137435

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.095	0.099	96	85-115	10/06/2025
Sample ID: CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	10/06/2025
Sample ID: CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	10/06/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137481

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.489	0.50	98	90-110	10/09/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.506	0.50	101	90-110	10/09/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.502	0.50	100	90-110	10/09/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137517

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Cyanide	ICV1	mg/L	0.096	0.099	97	85-115	10/14/2025
Sample ID: Cyanide	CCV1	mg/L	0.24	0.25	96	90-110	10/14/2025
Sample ID: Cyanide	CCV2	mg/L	0.24	0.25	96	90-110	10/14/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137386

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/01/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/01/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	10/01/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137417

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/03/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137435

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/06/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/06/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/06/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137481

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	10/09/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	10/09/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.005	0.0250	J	0.0045	0.05	10/09/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

RunNo.: LB137517

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/14/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/14/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/14/2025

Preparation Blank Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137386BL Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	10/01/2025
Sample ID: LB137388BL BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	10/01/2025
Sample ID: LB137413BL Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	10/03/2025
Sample ID: LB137419BL TSS	mg/L	1	2.0000	J	1	4	10/03/2025
Sample ID: PB169946BL Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	10/03/2025
Sample ID: PB169962BL Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/06/2025
Sample ID: PB170046BL Phosphorus, Total	mg/L	0.007	0.0250	J	0.005	0.05	10/09/2025
Sample ID: PB170085BL Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	10/14/2025

Matrix Spike Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3229-01
Client ID:	MH-9-26-25MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	192		172		20.0	1	101		10/03/2025

Matrix Spike Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3229-01
Client ID:	MH-9-26-25MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	192		172		20.0	1	102		10/03/2025

Matrix Spike Summary

Client:

Dal-Tile - Dickson Plant

SDG No.:

Q3258

Project:

Waste Water

Sample ID:

Q3234-01

Client ID:

DA-1MS

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.51		0.043	J	0.5	1	93		10/09/2025

Matrix Spike Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3234-01
Client ID:	DA-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Phosphorus, Total	mg/L	90-110	0.50		0.043	J	0.5	1	92		10/09/2025

Matrix Spike Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Sample ID: Q3258-01

Client ID: MONTHLY-CYANIDE MS

Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.28		0.25		0.04	1	75		10/06/2025

Matrix Spike Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3258-01
Client ID:	MONTHLY-CYANIDE MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.28		0.25		0.04	1	75		10/06/2025

Matrix Spike Summary

Client:

Dal-Tile - Dickson Plant

SDG No.:

Q3258

Project:

Waste Water

Sample ID:

Q3263-02

Client ID:

266380MS

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		10/03/2025

Matrix Spike Summary

Client:

Dal-Tile - Dickson Plant

SDG No.:

Q3258

Project:

Waste Water

Sample ID:

Q3263-02

Client ID:

266380MSD

Percent Solids for Spike Sample:

0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		10/03/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3229-01
Client ID:	MH-9-26-25MSD	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
Oil and Grease	mg/L	+/-18	192		192		1	0.05		10/03/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3234-01
Client ID:	DA-1DUP	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
Phosphorus, Total	mg/L	+/-20	0.043	J	0.042	J	1	2.35		10/09/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3234-01
Client ID:	DA-1MSD	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
Phosphorus, Total	mg/L	+/-20	0.51		0.50		1	0.99		10/09/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3258-01
Client ID:	MONTHLY-CYANIDE DUP	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
Cyanide	mg/L	+/-20	0.25		0.24		1	4		10/06/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3258-01
Client ID:	MONTHLY-CYANIDE MSD	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
Cyanide	mg/L	+/-20	0.28		0.28		1	0		10/06/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3258-08
Client ID:	ADDITIONAL-CYANIDE-1DUP	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
Cyanide	mg/L	+/-20	0.0033	J	0.0034	J	1	3		10/14/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3260-02
Client ID:	COMPDUP	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
BOD5	mg/L	+/-20	3020		2930		1	2.83		10/01/2025
TSS	mg/L	+/-5	481		480		1	0.21		10/03/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3263-02
Client ID:	266380DUP	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
Ammonia as N	mg/L	+/-20	0.030	U	0.030	U	1	0		10/03/2025

Duplicate Sample Summary

Client:	Dal-Tile - Dickson Plant	SDG No.:	Q3258
Project:	Waste Water	Sample ID:	Q3263-02
Client ID:	266380MSD	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
Ammonia as N	mg/L	+/-20	1.00		1.00		1	0		10/03/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137386

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137386BS							
Hexavalent Chromium	mg/L	0.5	0.51		103	1	90-111	10/01/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137388

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137388BS							
BOD5	mg/L	198	181		92	1	84.6-115.4	10/01/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137413

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137413BS							
Oil and Grease	mg/L	20.0	16.8		84	1	78-114	10/03/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137419

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137419BS							
TSS	mg/L	550	532		97	1	90-110	10/03/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137417

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169946BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	10/03/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137435

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169962BS							
Cyanide	mg/L	0.1	0.096		96	1	85-115	10/06/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137481

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170046BS							
Phosphorus, Total	mg/L	0.50	0.48		97	1	90-110	10/09/2025

Laboratory Control Sample Summary

Client: Dal-Tile - Dickson Plant

SDG No.: Q3258

Project: Waste Water

Run No.: LB137517

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170085BS							
Cyanide	mg/L	0.1	0.097		97	1	85-115	10/14/2025



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Dal-Tile LLC - Dickson Plant
ADDRESS: 187 Warren G. Medley Drive
CITY Dickson STATE: TN ZIP: 37055
ATTENTION: Michel Gil
PHONE: 214-309-4003 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: White Water Sampling
PROJECT NO.: EM-2025-1026 LOCATION: Nashville, TN
PROJECT MANAGER: James Engler
e-mail: jane.engler@alliance-tg.com
PHONE: 601-415-6413 FAX:

CLIENT BILLING INFORMATION

BILL TO: ATG-Dyblow AEM PO#:
ADDRESS: 400 Texas 146
CITY Baytown STATE: TX ZIP: 77520
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 _____

1. 10/25/25
2. 10/25/25
3. 10/25/25
4. 10/25/25
5. 10/25/25
6. 10/25/25
7. 10/25/25
8. 10/25/25
9. 10/25/25

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		B	C	E	F	C	E	E	C		
1.	Monthly Cyanide	WW		X	9/29	2:10PM	1			X							10/25/25
2.	Additional Cyanide	WW		X	9/30	2:47	3			X							10/25/25
3.	Oil & Grease	WW		X	9/30	3:05	1		X								10/25/25
4.	Mercury	WW	X		9/30		1	X									
5.	Hexavalent Chromium	WW	X		9/30		1			X							10/25/25
6.	Ammonia Conc'd Sample	WW	X		9/30	3:20PM	1				X						10/25/25
7.	Free Cyanide Sample	WW	X		9/30	3:10PM	1					X					
8.	BOOS Conc'd Sample	WW	X		9/30	3:10PM	1							X			
9.	Total Phosphorus	WW	X		9/30		1								X		
10.	True Blank						1										

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: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.2°C</u> °C
1. <u>James Engler</u>	<u>10/25/25</u>	1. <u>Franklin</u> 9/25/25	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>UPS</u>	<u>10-1-25</u> <u>1025</u>	2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.		3.	

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