

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : WASTE WATER - DICKSON PLANT

DAL-TILE

187 Warren G. Medley Drive

Dickson, TN - 37055

Phone No: 214-309-4003

ORDER ID : Q3616

ATTENTION : James Eagles



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3616

Project ID : Waste Water - Dickson Plant

Client : Dal-Tile

Lab Sample Number

Q3616-01
Q3616-02
Q3616-03
Q3616-04
Q3616-05

Client Sample Number

OIL AND GREASE-1
OIL AND GREASE-2
OIL AND GREASE-3
CYANIDE
Composite

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 :

APPROVED

By Sohil Jodhani, QA/QC Director at 9:20 am, Nov 24, 2025

Date: 11/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Dal-Tile

Project Name: Waste Water - Dickson Plant

Project # N/A

Order ID # Q3616

Test Name: Mercury, Metals ICP-Group1,Ammonia,BOD5,Cyanide,Hexavalent Chromium,Oil and Grease,Phosphorus-Total,TSS

A. Number of Samples and Date of Receipt:

5 Water samples were received on 11/12/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-Group1,Ammonia,BOD5,Cyanide,Hexavalent Chromium,Oil and Grease,Phosphorus-Total,TSS. This data package contains results for Mercury(7470A), Metals 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 except following Mercury,Metals ICP-Group1 : The Matrix Spike (1010-BMS) analysis met criteria for all compounds except for Mercury due to Sample matrix interference.

Wetchem : The Matrix Spike (CYANIDEMS) analysis met criteria for all compounds except for Cyanide due to Sample Matrix interference.

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The MSD recoveries met the requirements for all compounds except following Wetchem : The Matrix Spike Duplicate (CYANIDEMSD) analysis met criteria for all compounds except for Cyanide due to Sample matrix interference.

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.

Wetchem : Sample CYANIDE was diluted due to high concentrations for Cyanide & Sample Composite was diluted due to high concentrations for Ammonia as N.

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 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 Q3616 therefore Lab reported MS-MSD from Q3578.

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

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 Sample was filtered in the Lab within the same day of sample receipt, and analyzed within 24 hours from collection.

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 _____

APPROVED

By Sohil Jodhani, QA/QC Director at 9:21 am, Nov 24, 2025

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 #: Q3616

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 Castody

✓

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: 11/21/2025

LAB CHRONICLE

OrderID:	Q3616	OrderDate:	11/12/2025 1:11:35 PM
Client:	Dal-Tile	Project:	Waste Water - Dickson Plant
Contact:	James Eagles	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3616-05	Composite	Water			11/11/25			11/12/25
			Mercury	7470A		11/14/25	11/17/25	
			Metals ICP-Group1	6010D		11/13/25	11/13/25	

Hit Summary Sheet
SW-846

SDG No.: Q3616 **Order ID:** Q3616
Client: Dal-Tile **Project ID:** Waste Water - Dickson Plant

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Composite								
Q3616-05	Composite	Water	Arsenic	47.8		2.56	10.0	ug/L
Q3616-05	Composite	Water	Cadmium	0.27	J	0.25	3.00	ug/L
Q3616-05	Composite	Water	Chromium	91.4		1.06	5.00	ug/L
Q3616-05	Composite	Water	Copper	8.98	J	2.30	10.0	ug/L
Q3616-05	Composite	Water	Lead	9.88		1.15	6.00	ug/L
Q3616-05	Composite	Water	Mercury	4.26		0.076	0.20	ug/L
Q3616-05	Composite	Water	Nickel	12.1	J	1.53	20.0	ug/L
Q3616-05	Composite	Water	Selenium	563		4.82	10.0	ug/L
Q3616-05	Composite	Water	Zinc	414		8.33	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	Dal-Tile	Date Collected:	11/11/25
Project:	Waste Water - Dickson Plant	Date Received:	11/12/25
Client Sample ID:	Composite	SDG No.:	Q3616
Lab Sample ID:	Q3616-05	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	47.8		1	2.56	10.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-43-9	Cadmium	0.27	J	1	0.25	3.00	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-47-3	Chromium	91.4		1	1.06	5.00	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-50-8	Copper	8.98	J	1	2.30	10.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7439-92-1	Lead	9.88		1	1.15	6.00	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7439-97-6	Mercury	4.26	N	1	0.076	0.20	ug/L	11/14/25 12:40	11/17/25 13:25	7470A	M7470A
7440-02-0	Nickel	12.1	J	1	1.53	20.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7782-49-2	Selenium	563		1	4.82	10.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A
7440-66-6	Zinc	414		1	8.33	20.0	ug/L	11/13/25 10:50	11/13/25 18:00	6010D	M3010A

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

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV117	Mercury	4.19	4.0	105	90 - 110	CV	11/17/2025	12:54	LB137914

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile

SDG No.: Q3616

Contract: DALT01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Mercury	5.03	5.0	101	90 - 110	CV	11/17/2025	13:06	LB137914
CCV02	Mercury	5.02	5.0	100	90 - 110	CV	11/17/2025	13:39	LB137914
CCV03	Mercury	5.11	5.0	102	90 - 110	CV	11/17/2025	13:52	LB137914

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile
Contract: DALT01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3616
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	4010	4000	100	90 - 110	P	11/13/2025	13:12	LB137889
	Cadmium	1990	2000	99	90 - 110	P	11/13/2025	13:12	LB137889
	Chromium	793	800	99	90 - 110	P	11/13/2025	13:12	LB137889
	Copper	999	1000	100	90 - 110	P	11/13/2025	13:12	LB137889
	Lead	3920	4000	98	90 - 110	P	11/13/2025	13:12	LB137889
	Nickel	1950	2000	97	90 - 110	P	11/13/2025	13:12	LB137889
	Selenium	4000	4000	100	90 - 110	P	11/13/2025	13:12	LB137889
	Zinc	1940	2000	97	90 - 110	P	11/13/2025	13:12	LB137889

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>Dal-Tile</u>	SDG No.:	<u>Q3616</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	19.4	20.0	97	80 - 120	P	11/13/2025	13:16	LB137889
	Cadmium	6.14	6.0	102	80 - 120	P	11/13/2025	13:16	LB137889
	Chromium	9.82	10.0	98	80 - 120	P	11/13/2025	13:16	LB137889
	Copper	22.5	20.0	112	80 - 120	P	11/13/2025	13:16	LB137889
	Lead	12.0	12.0	100	80 - 120	P	11/13/2025	13:16	LB137889
	Nickel	40.8	40.0	102	80 - 120	P	11/13/2025	13:16	LB137889
	Selenium	23.9	20.0	120	80 - 120	P	11/13/2025	13:16	LB137889
	Zinc	42.2	40.0	106	80 - 120	P	11/13/2025	13:16	LB137889

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile
Contract: DALT01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3616
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4930	5000	99	90 - 110	P	11/13/2025	13:46	LB137889
	Cadmium	2470	2500	99	90 - 110	P	11/13/2025	13:46	LB137889
	Chromium	1000	1000	100	90 - 110	P	11/13/2025	13:46	LB137889
	Copper	1240	1250	99	90 - 110	P	11/13/2025	13:46	LB137889
	Lead	4930	5000	99	90 - 110	P	11/13/2025	13:46	LB137889
	Nickel	2470	2500	99	90 - 110	P	11/13/2025	13:46	LB137889
	Selenium	5000	5000	100	90 - 110	P	11/13/2025	13:46	LB137889
	Zinc	2490	2500	100	90 - 110	P	11/13/2025	13:46	LB137889
CCV02	Arsenic	4900	5000	98	90 - 110	P	11/13/2025	14:35	LB137889
	Cadmium	2410	2500	96	90 - 110	P	11/13/2025	14:35	LB137889
	Chromium	973	1000	97	90 - 110	P	11/13/2025	14:35	LB137889
	Copper	1220	1250	98	90 - 110	P	11/13/2025	14:35	LB137889
	Lead	4830	5000	96	90 - 110	P	11/13/2025	14:35	LB137889
	Nickel	2420	2500	97	90 - 110	P	11/13/2025	14:35	LB137889
	Selenium	4960	5000	99	90 - 110	P	11/13/2025	14:35	LB137889
	Zinc	2470	2500	99	90 - 110	P	11/13/2025	14:35	LB137889
CCV03	Arsenic	4890	5000	98	90 - 110	P	11/13/2025	15:48	LB137889
	Cadmium	2420	2500	97	90 - 110	P	11/13/2025	15:48	LB137889
	Chromium	982	1000	98	90 - 110	P	11/13/2025	15:48	LB137889
	Copper	1220	1250	98	90 - 110	P	11/13/2025	15:48	LB137889
	Lead	4860	5000	97	90 - 110	P	11/13/2025	15:48	LB137889
	Nickel	2420	2500	97	90 - 110	P	11/13/2025	15:48	LB137889
	Selenium	4910	5000	98	90 - 110	P	11/13/2025	15:48	LB137889
	Zinc	2490	2500	100	90 - 110	P	11/13/2025	15:48	LB137889
CCV04	Arsenic	5010	5000	100	90 - 110	P	11/13/2025	16:36	LB137889
	Cadmium	2500	2500	100	90 - 110	P	11/13/2025	16:36	LB137889
	Chromium	1020	1000	102	90 - 110	P	11/13/2025	16:36	LB137889
	Copper	1260	1250	101	90 - 110	P	11/13/2025	16:36	LB137889
	Lead	5010	5000	100	90 - 110	P	11/13/2025	16:36	LB137889
	Nickel	2490	2500	100	90 - 110	P	11/13/2025	16:36	LB137889
	Selenium	5040	5000	101	90 - 110	P	11/13/2025	16:36	LB137889
	Zinc	2580	2500	103	90 - 110	P	11/13/2025	16:36	LB137889
CCV05	Arsenic	4900	5000	98	90 - 110	P	11/13/2025	17:27	LB137889
	Cadmium	2420	2500	97	90 - 110	P	11/13/2025	17:27	LB137889

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Dal-Tile
Contract: DALT01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3616
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Chromium	983	1000	98	90 - 110	P	11/13/2025	17:27	LB137889
	Copper	1230	1250	98	90 - 110	P	11/13/2025	17:27	LB137889
	Lead	4860	5000	97	90 - 110	P	11/13/2025	17:27	LB137889
	Nickel	2420	2500	97	90 - 110	P	11/13/2025	17:27	LB137889
	Selenium	4910	5000	98	90 - 110	P	11/13/2025	17:27	LB137889
	Zinc	2510	2500	100	90 - 110	P	11/13/2025	17:27	LB137889
CCV06	Arsenic	4940	5000	99	90 - 110	P	11/13/2025	18:17	LB137889
	Cadmium	2440	2500	98	90 - 110	P	11/13/2025	18:17	LB137889
	Chromium	1010	1000	101	90 - 110	P	11/13/2025	18:17	LB137889
	Copper	1240	1250	99	90 - 110	P	11/13/2025	18:17	LB137889
	Lead	4900	5000	98	90 - 110	P	11/13/2025	18:17	LB137889
	Nickel	2440	2500	98	90 - 110	P	11/13/2025	18:17	LB137889
CCV07	Selenium	4940	5000	99	90 - 110	P	11/13/2025	18:17	LB137889
	Zinc	2580	2500	103	90 - 110	P	11/13/2025	18:17	LB137889
	Arsenic	5010	5000	100	90 - 110	P	11/13/2025	18:38	LB137889
	Cadmium	2470	2500	99	90 - 110	P	11/13/2025	18:38	LB137889
	Chromium	1010	1000	101	90 - 110	P	11/13/2025	18:38	LB137889
	Copper	1260	1250	100	90 - 110	P	11/13/2025	18:38	LB137889
	Lead	4960	5000	99	90 - 110	P	11/13/2025	18:38	LB137889
	Nickel	2470	2500	99	90 - 110	P	11/13/2025	18:38	LB137889
	Selenium	4990	5000	100	90 - 110	P	11/13/2025	18:38	LB137889
	Zinc	2610	2500	104	90 - 110	P	11/13/2025	18:38	LB137889

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Dal-Tile **SDG No.:** Q3616
Contract: DALT01 **Lab Code:** ACE
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	22.3	20.0	111	65 - 135	P	11/13/2025	13:25	LB137889
	Cadmium	6.14	6.0	102	65 - 135	P	11/13/2025	13:25	LB137889
	Chromium	10.3	10.0	103	65 - 135	P	11/13/2025	13:25	LB137889
	Copper	22.9	20.0	115	65 - 135	P	11/13/2025	13:25	LB137889
	Lead	14.4	12.0	120	65 - 135	P	11/13/2025	13:25	LB137889
	Nickel	41.1	40.0	103	65 - 135	P	11/13/2025	13:25	LB137889
	Selenium	25.8	20.0	129	65 - 135	P	11/13/2025	13:25	LB137889
	Zinc	42.5	40.0	106	65 - 135	P	11/13/2025	13:25	LB137889
CRA	Mercury	0.22	0.2	108	70 - 130	CV	11/17/2025	13:11	LB137914



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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>Dal-Tile</u>	SDG No.:	<u>Q3616</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
ICB117	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	12:56	LB137914

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile **SDG No.:** Q3616
Contract: DALT01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	13:08	LB137914
CCB02	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	13:41	LB137914
CCB03	Mercury	0.076	+/-0.2	U	0.20	CV	11/17/2025	13:55	LB137914

A

B

C

D

E

F

G

H

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

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	11/13/2025	13:21	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	13:21	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	13:21	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	13:21	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	13:21	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	13:21	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	13:21	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	13:21	LB137889

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

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	11/13/2025	13:50	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	13:50	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	13:50	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	13:50	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	13:50	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	13:50	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	13:50	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	13:50	LB137889
CCB02	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	14:39	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	14:39	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	14:39	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	14:39	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	14:39	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	14:39	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	14:39	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	14:39	LB137889
CCB03	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	15:51	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	15:51	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	15:51	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	15:51	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	15:51	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	15:51	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	15:51	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	15:51	LB137889
CCB04	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	16:40	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	16:40	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	16:40	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	16:40	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	16:40	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	16:40	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	16:40	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	16:40	LB137889
CCB05	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	17:31	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	17:31	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	17:31	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	17:31	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	17:31	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	17:31	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	17:31	LB137889

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Dal-Tile **SDG No.:** Q3616
Contract: DALT01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB05	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	17:31	LB137889
CCB06	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	18:25	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	18:25	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	18:25	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	18:25	LB137889
	Lead	2.30	+/-6	U	12.0	P	11/13/2025	18:25	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	18:25	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	18:25	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	18:25	LB137889
CCB07	Arsenic	5.12	+/-10	U	20.0	P	11/13/2025	18:42	LB137889
	Cadmium	0.50	+/-3	U	6.00	P	11/13/2025	18:42	LB137889
	Chromium	2.12	+/-5	U	10.0	P	11/13/2025	18:42	LB137889
	Copper	4.60	+/-10	U	20.0	P	11/13/2025	18:42	LB137889
	Lead	3.19	+/-6	J	12.0	P	11/13/2025	18:42	LB137889
	Nickel	3.06	+/-20	U	40.0	P	11/13/2025	18:42	LB137889
	Selenium	9.64	+/-10	U	20.0	P	11/13/2025	18:42	LB137889
	Zinc	16.7	+/-20	U	40.0	P	11/13/2025	18:42	LB137889

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170561BL		WATER		Batch Number:	PB170561		Prep Date:	11/14/2025	
	Mercury	0.076	<0.2	U	0.20	CV	11/17/2025	13:20	LB137914

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Dal-Tile

SDG No.: Q3616

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB170531BL	WATER			Batch Number:	PB170531		Prep Date:	11/13/2025	
	Arsenic	2.56	<5	U	10.0	P	11/13/2025	17:51	LB137889
	Cadmium	0.25	<1.5	U	3.00	P	11/13/2025	17:51	LB137889
	Chromium	1.06	<2.5	U	5.00	P	11/13/2025	17:51	LB137889
	Copper	2.30	<5	U	10.0	P	11/13/2025	17:51	LB137889
	Lead	1.15	<3	U	6.00	P	11/13/2025	17:51	LB137889
	Nickel	1.53	<10	U	20.0	P	11/13/2025	17:51	LB137889
	Selenium	4.82	<5	U	10.0	P	11/13/2025	17:51	LB137889
	Zinc	8.33	<10	U	20.0	P	11/13/2025	17:51	LB137889

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Dal-Tile</u>	SDG No.: <u>Q3616</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	7.42			-20	20	11/13/2025	13:29	LB137889
	Cadmium	-0.18	1.0	18	-5	7	11/13/2025	13:29	LB137889
	Chromium	49.7	52.0	96	42	62	11/13/2025	13:29	LB137889
	Copper	2.75	2.0	138	-18	22	11/13/2025	13:29	LB137889
	Lead	-8.14			-12	12	11/13/2025	13:29	LB137889
	Nickel	6.06	2.0	303	-38	42	11/13/2025	13:29	LB137889
	Selenium	-5.23			-20	20	11/13/2025	13:29	LB137889
	Zinc	1.59			-40	40	11/13/2025	13:29	LB137889
ICSAB01	Arsenic	110	104	106	88.4	120	11/13/2025	13:33	LB137889
	Cadmium	982	972	101	826	1120	11/13/2025	13:33	LB137889
	Chromium	555	542	102	460	624	11/13/2025	13:33	LB137889
	Copper	487	511	95	434	588	11/13/2025	13:33	LB137889
	Lead	42.2	49.0	86	37	61	11/13/2025	13:33	LB137889
	Nickel	1000	954	105	810	1100	11/13/2025	13:33	LB137889
	Selenium	54.7	46.0	119	26	66	11/13/2025	13:33	LB137889
	Zinc	1010	952	106	809	1095	11/13/2025	13:33	LB137889



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3616</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3616-05</u>	client id: <u>CompositeMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3616-05MS</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
Arsenic	ug/L	75 - 125	462		47.8		400	104		P
Cadmium	ug/L	75 - 125	102		0.27	J	100	102		P
Chromium	ug/L	75 - 125	274		91.4		200	91		P
Copper	ug/L	75 - 125	143		8.98	J	150	89		P
Lead	ug/L	75 - 125	490		9.88		500	96		P
Nickel	ug/L	75 - 125	263		12.1	J	250	100		P
Selenium	ug/L	75 - 125	1580		563		1000	102		P
Zinc	ug/L	75 - 125	486		414		100	72		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Dal-Tile</u>	level: <u>low</u>	sdg no.: <u>Q3616</u>
contract: <u>DALT01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3616-05</u>	client id: <u>CompositeMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3616-05MSD</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	461		47.8		400	103		P
Cadmium	ug/L	75 - 125	102		0.27	J	100	101		P
Chromium	ug/L	75 - 125	281		91.4		200	95		P
Copper	ug/L	75 - 125	143		8.98	J	150	89		P
Lead	ug/L	75 - 125	489		9.88		500	96		P
Nickel	ug/L	75 - 125	264		12.1	J	250	101		P
Selenium	ug/L	75 - 125	1580		563		1000	101		P
Zinc	ug/L	75 - 125	524		414		100	109		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client:	Dal-Tile	level:	low	sdg no.:	Q3616
contract:	DALT01			lab code:	ACE
matrix:	Water	sample id:	Q3620-02	client id:	1010-BMS
Percent Solids for Sample:	NA	Spiked ID:	Q3620-02MS	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	2.88		0.098	J	4.0	70	N	CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Dal-Tile **level:** low **sdg no.:** Q3616
contract: DALT01 **lab code:** ACE
matrix: Water **sample id:** Q3620-02 **client id:** 1010-BMSD

Percent Solids for Sample: NA **Spiked ID:** Q3620-02MSD **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	3.08		0.098	J	4.0	75		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	Dal-Tile	SDG No.:	Q3616
Contract:	DALT01	Lab Code:	ACE
Matrix:	Water	Level:	LOW
		Client ID:	1010-BA
Sample ID:	Q3620-02	Spiked ID:	Q3620-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.10		0.098	J	4.00	100		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3616-05</u>	Client ID:	<u>CompositeDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3616-05DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	47.8		49.0		2		P
Cadmium	ug/L	20	0.27	J	3.00	U	200.0		P
Chromium	ug/L	20	91.4		90.9		1		P
Copper	ug/L	20	8.98	J	8.93	J	1		P
Lead	ug/L	20	9.88		9.14		8		P
Nickel	ug/L	20	12.1	J	12.1	J	0		P
Selenium	ug/L	20	563		566		1		P
Zinc	ug/L	20	414		413		0		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: Dal-Tile **Level:** LOW **SDG No.:** Q3616
Contract: DALT01 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3616-05MS **Client ID:** CompositeMSD
Percent Solids for Sample: NA **Duplicate ID** Q3616-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	462		461		0		P
Cadmium	ug/L	20	102		102		0		P
Chromium	ug/L	20	274		281		3		P
Copper	ug/L	20	143		143		0		P
Lead	ug/L	20	490		489		0		P
Nickel	ug/L	20	263		264		0		P
Selenium	ug/L	20	1580		1580		0		P
Zinc	ug/L	20	486		524		8		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</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3620-02</u>	Client ID:	<u>1010-BDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3620-02DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.098	J	0.077	J	24		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</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3620-02MS</u>	Client ID:	<u>1010-BMSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3620-02MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.88		3.08		7		CV

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

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170531BS							
Arsenic	ug/L	400	379		95	80 - 120	P
Cadmium	ug/L	100	93.6		94	80 - 120	P
Chromium	ug/L	200	201		100	80 - 120	P
Copper	ug/L	150	153		102	80 - 120	P
Lead	ug/L	500	465		93	80 - 120	P
Nickel	ug/L	250	242		97	80 - 120	P
Selenium	ug/L	1000	944		94	80 - 120	P
Zinc	ug/L	100	103		103	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Dal-Tile</u>	SDG No.:	<u>Q3616</u>
Contract:	<u>DALT01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB170561BS Mercury	ug/L	4.0	3.87		97	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

CompositeL

Lab Name: Alliance **Contract:** DALT01
Lab Code: ACE **Lb No.:** lb137889 **Lab Sample ID :** Q3616-05L **SDG No.:** Q3616
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
Arsenic	47.8		52.4		10			P
Cadmium	0.27	J	15.0	U	100.0			P
Chromium	91.4		91.4		0			P
Copper	8.98	J	50.0	U	100.0			P
Lead	9.88		14.0	J	41			P
Nickel	12.1	J	11.3	J	7			P
Selenium	563		506		10			P
Zinc	414		385		7			P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

1010-BL

Lab Name: Alliance **Contract:** DALT01
Lab Code: ACE **Lb No.:** lb137914 **Lab Sample ID :** Q3620-02L **SDG No.:** Q3616
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	0.098 J	1.00 U	100.0		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

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

A

B

C

D

E

F

G

H

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: Dal-Tile

SDG No.: Q3616

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

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SAMPLE PREPARATION SUMMARY

Client: Dal-Tile **SDG No.:** Q3616
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: PB170531							
PB170531BL	PB170531BL	MB	WATER	11/13/2025	50.0	25.0	
PB170531BS	PB170531BS	LCS	WATER	11/13/2025	50.0	25.0	
Q3616-05	Composite	SAM	WATER	11/13/2025	50.0	25.0	
Q3616-05DUP	CompositeDUP	DUP	WATER	11/13/2025	50.0	25.0	
Q3616-05MS	CompositeMS	MS	WATER	11/13/2025	50.0	25.0	
Q3616-05MSD	CompositeMSD	MSD	WATER	11/13/2025	50.0	25.0	

Metals
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SAMPLE PREPARATION SUMMARY

Client: Dal-Tile **SDG No.:** Q3616
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: PB170561							
PB170561BL	PB170561BL	MB	WATER	11/14/2025	30.0	30.0	
PB170561BS	PB170561BS	LCS	WATER	11/14/2025	30.0	30.0	
Q3616-05	Composite	SAM	WATER	11/14/2025	30.0	30.0	
Q3620-02DUP	1010-BDUP	DUP	WATER	11/14/2025	30.0	30.0	
Q3620-02MS	1010-BMS	MS	WATER	11/14/2025	30.0	30.0	
Q3620-02MSD	1010-BMSD	MSD	WATER	11/14/2025	30.0	30.0	

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ANALYSIS RUN LOG

Client: Dal-Tile

Contract: DALT01

Lab code: ACE

Sdg no.: Q3616

Instrument id number: _____

Method: _____

Run number: LB137889

Start date: 11/13/2025

End date: 11/13/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1246	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1251	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1255	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1259	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1303	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1307	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1312	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1316	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1321	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1325	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1329	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1333	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1346	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1350	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1435	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1439	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1548	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1551	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1636	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1640	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1727	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1731	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170531BL	PB170531BL	1	1751	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB170531BS	PB170531BS	1	1756	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05	Composite	1	1800	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05DUP	CompositeDUP	1	1804	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05L	CompositeL	5	1808	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05MS	CompositeMS	1	1813	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1817	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1825	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
Q3616-05MSD	CompositeMSD	1	1833	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1838	As,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1842	As,Cd,Cr,Cu,Ni,Pb,Se,Zn

metals
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ANALYSIS RUN LOG

Client: Dal-Tile

Contract: DALT01

Lab code: ACE

Sdg no.: Q3616

Instrument id number: _____

Method: _____

Run number: LB137914

Start date: 11/17/2025

End date: 11/17/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1236	HG
S0.2	S0.2	1	1239	HG
S2.5	S2.5	1	1241	HG
S5	S5	1	1243	HG
S7.5	S7.5	1	1248	HG
S10	S10	1	1251	HG
ICV117	ICV117	1	1254	HG
ICB117	ICB117	1	1256	HG
CCV01	CCV01	1	1306	HG
CCB01	CCB01	1	1308	HG
CRA	CRA	1	1311	HG
PB170561BL	PB170561BL	1	1320	HG
PB170561BS	PB170561BS	1	1322	HG
Q3616-05	Composite	1	1325	HG
Q3620-02DUP	1010-BDUP	1	1332	HG
Q3620-02MS	1010-BMS	1	1334	HG
CCV02	CCV02	1	1339	HG
CCB02	CCB02	1	1341	HG
Q3620-02MSD	1010-BMSD	1	1343	HG
Q3620-02L	1010-BL	5	1348	HG
Q3620-02A	1010-BA	1	1350	HG
CCV03	CCV03	1	1352	HG
CCB03	CCB03	1	1355	HG

LAB CHRONICLE

OrderID:	Q3616	OrderDate:	11/12/2025 1:11:35 PM
Client:	Dal-Tile	Project:	Waste Water - Dickson Plant
Contact:	James Eagles	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3616-01	OIL AND GREASE-1	WATER			11/11/25 13:24			11/12/25
			Oil and Grease	1664A			11/13/25 10:00	
Q3616-02	OIL AND GREASE-2	WATER			11/11/25 13:59			11/12/25
			Oil and Grease	1664A			11/13/25 10:00	
Q3616-03	OIL AND GREASE-3	WATER			11/11/25 14:01			11/12/25
			Oil and Grease	1664A			11/13/25 10:00	
Q3616-04	CYANIDE	WATER			11/11/25 13:20			11/12/25
			Cyanide	SM4500-CN C,E		11/14/25	11/14/25 13:38	
Q3616-04DL	CYANIDEDL	WATER			11/11/25 13:20			11/12/25
			Cyanide	SM4500-CN C,E		11/14/25	11/14/25 14:21	
Q3616-05	Composite	WATER			11/11/25 13:36			11/12/25
			Ammonia	SM4500-NH3		11/17/25	11/17/25 13:09	
			BOD5	SM5210 B			11/13/25 12:15	
			Hexavalent Chromium	7196A			11/12/25 12:44	

LAB CHRONICLE

Q3616-05DL	Composite DL	WATER	Phosphorus-Total	365.3	11/21/25	11/21/25	11/11/25 13:36	11/12/25
			TSS	SM2540 D		13:27		
						11/17/25		
						12:30		
			Ammonia	SM4500-NH3	11/17/25	11/17/25		
						14:45		



SAMPLE DATA

Report of Analysis

Client: Dal-Tile
Project: Waste Water - Dickson Plant
Client Sample ID: OIL AND GREASE-1
Lab Sample ID: Q3616-01

Date Collected: 11/11/25 13:24
Date Received: 11/12/25
SDG No.: Q3616
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	11.4		1	0.29	5.00	mg/L		11/13/25 10:00	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
Project: Waste Water - Dickson Plant
Client Sample ID: OIL AND GREASE-2
Lab Sample ID: Q3616-02

Date Collected: 11/11/25 13:59
Date Received: 11/12/25
SDG No.: Q3616
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	4.10	J	1	0.29	5.00	mg/L		11/13/25 10:00	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
Project: Waste Water - Dickson Plant
Client Sample ID: OIL AND GREASE-3
Lab Sample ID: Q3616-03

Date Collected: 11/11/25 14:01
Date Received: 11/12/25
SDG No.: Q3616
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	3.50	J	1	0.29	5.00	mg/L		11/13/25 10:00	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	Date Collected:	11/11/25 13:20
Project:	Waste Water - Dickson Plant	Date Received:	11/12/25
Client Sample ID:	CYANIDE	SDG No.:	Q3616
Lab Sample ID:	Q3616-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.68	OR	1	0.0012	0.0050	mg/L	11/14/25 08:10	11/14/25 13:38	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	Date Collected:	11/11/25 13:20
Project:	Waste Water - Dickson Plant	Date Received:	11/12/25
Client Sample ID:	CYANIDEDL	SDG No.:	Q3616
Lab Sample ID:	Q3616-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.65	D	2	0.0024	0.010	mg/L	11/14/25 08:10	11/14/25 14:21	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
Project: Waste Water - Dickson Plant
Client Sample ID: Composite
Lab Sample ID: Q3616-05

Date Collected: 11/11/25 13:36
Date Received: 11/12/25
SDG No.: Q3616
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.90	OR	1	0.030	0.10	mg/L	11/17/25 08:45	11/17/25 13:09	SM 4500-NH3 B plus G-21
BOD5	286		1	0.20	2.00	mg/L		11/13/25 12:15	SM 5210 B-16
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		11/12/25 12:44	7196A
Phosphorus, Total	0.18		1	0.0050	0.050	mg/L	11/21/25 10:20	11/21/25 13:27	365.3
TSS	32.1		1	1.00	4.00	mg/L		11/17/25 12:30	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	Date Collected:	11/11/25 13:36
Project:	Waste Water - Dickson Plant	Date Received:	11/12/25
Client Sample ID:	CompositeDL	SDG No.:	Q3616
Lab Sample ID:	Q3616-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	4.70	D	5	0.15	0.50	mg/L	11/17/25 08:45	11/17/25 14:45	SM 4500-NH3 B plus G-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

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB137875

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	11/12/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	11/12/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	11/12/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB137905

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.094	0.099	95	85-115	11/14/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.24	0.25	96	90-110	11/14/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.25	0.25	100	90-110	11/14/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.24	0.25	96	90-110	11/14/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB137922

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	11/17/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.95	1	95	90-110	11/17/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.95	1	95	90-110	11/17/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	11/17/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.97	1	97	90-110	11/17/2025

Initial and Continuing Calibration Verification

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB138013

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.494	0.50	99	90-110	11/21/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.526	0.50	105	90-110	11/21/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.517	0.50	103	90-110	11/21/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB137875

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	11/12/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/12/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	11/12/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB137905

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	11/14/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/14/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/14/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/14/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

RunNo.: LB137922

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	11/17/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/17/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/17/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/17/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	11/17/2025

Initial and Continuing Calibration Blank Summary

Client: Dal-Tile	SDG No.: Q3616
Project: Waste Water - Dickson Plant	RunNo.: LB138013

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.006	0.0250	J	0.0045	0.05	11/21/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.006	0.0250	J	0.0045	0.05	11/21/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	< 0.0250	0.0250	U	0.0045	0.05	11/21/2025

Preparation Blank Summary

Client: Dal-Tile

SDG No.: Q3616

Project: Waste Water - Dickson Plant

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137875BL Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	11/12/2025
Sample ID: LB137877BL Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	11/13/2025
Sample ID: LB137907BL BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	11/13/2025
Sample ID: LB137913BL TSS	mg/L	< 2.0000	2.0000	U	1	4	11/17/2025
Sample ID: PB170548BL Cyanide	mg/L	< 0.0025	0.0025	U	0.0012	0.005	11/14/2025
Sample ID: PB170582BL Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	11/17/2025
Sample ID: PB170686BL Phosphorus, Total	mg/L	0.008	0.0250	J	0.005	0.05	11/21/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3578-01
Client ID:	MH-1172025MS	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	115		94.2		20.0	1	102		11/13/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3578-01
Client ID:	MH-1172025MSD	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	113		94.2		20.0	1	95		11/13/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3616-04
Client ID:	CYANIDEMS	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	0.70	OR	0.68	OR	0.04	1	50	*	11/14/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3616-04
Client ID:	CYANIDEMSD	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	0.70	OR	0.68	OR	0.04	1	50	*	11/14/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3616-05
Client ID:	CompositeMS	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	0.66		0.18		0.5	1	97		11/21/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3616-05
Client ID:	CompositeMSD	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	0.67		0.18		0.5	1	98		11/21/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3630-01
Client ID:	DSN002MS	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	1.70		0.73		1	1	97		11/17/2025

Matrix Spike Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3630-01
Client ID:	DSN002MSD	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	1.70		0.73		1	1	97		11/17/2025

Duplicate Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3578-01
Client ID:	MH-1172025MSD	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	115		113		1	1.23		11/13/2025

Duplicate Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3608-02
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	158		168		1	6.13		11/13/2025

Duplicate Sample Summary

Client: Dal-Tile	SDG No.: Q3616
Project: Waste Water - Dickson Plant	Sample ID: Q3616-04
Client ID: CYANIDEDUP	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	0.68	OR	0.68	OR	1	0		11/14/2025
Cyanide	mg/L	+/-20	0.65	D	0.66	D	2	2		11/14/2025

Duplicate Sample Summary

Client: Dal-Tile Project: Waste Water - Dickson Plant Client ID: CYANIDEMSD	SDG No.: Q3616 Sample ID: Q3616-04 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.70	OR	0.70	OR	1	0		11/14/2025

Duplicate Sample Summary

Client: Dal-Tile Project: Waste Water - Dickson Plant Client ID: CompositeDUP	SDG No.: Q3616 Sample ID: Q3616-05 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Phosphorus, Total	mg/L	+/-20	0.18		0.17		1	1.72		11/21/2025

Duplicate Sample Summary

Client: Dal-Tile Project: Waste Water - Dickson Plant Client ID: CompositeMSD	SDG No.: Q3616 Sample ID: Q3616-05 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Phosphorus, Total	mg/L	+/-20	0.66		0.67		1	0.45		11/21/2025

Duplicate Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3630-01
Client ID:	DSN002DUP	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	0.73		0.71		1	3		11/17/2025

Duplicate Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Sample ID:	Q3630-01
Client ID:	DSN002MSD	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	1.70		1.70		1	0		11/17/2025

Duplicate Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	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		11/17/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Run No.:	LB137875

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137875BS							
Hexavalent Chromium	mg/L	0.5	0.50		100	1	90-111	11/12/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Run No.:	LB137877

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137877BS							
Oil and Grease	mg/L	20.0	18.2		91	1	78-114	11/13/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Run No.:	LB137907

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137907BS							
BOD5	mg/L	198	190		96	1	84.6-115.4	11/13/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	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	11/17/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Run No.:	LB137905

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170548BS							
Cyanide	mg/L	0.1	0.096		96	1	85-115	11/14/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Run No.:	LB137922

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170582BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	11/17/2025

Laboratory Control Sample Summary

Client:	Dal-Tile	SDG No.:	Q3616
Project:	Waste Water - Dickson Plant	Run No.:	LB138013

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170686BS							
Phosphorus, Total	mg/L	0.50	0.47		95	1	90-110	11/21/2025



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING 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:

PROJECT NAME: Wastewater Sampling
PROJECT NO.: EHS-2025-1026 LOCATION: Dickson, TN
PROJECT MANAGER: James Eagles
e-mail: james.eagles@allianceetg.com
PHONE: 601-415-6913 FAX:

BILL TO: ATG-Baytown 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	2	3	4	5	6	7	8	9
1664A	1664A	1664A	1664A	1664A	1664A	1664A	1664A	1664A

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		C	E	E							
1.	Oil & Grease #1	WW		Y	11/11/25	1:24PM	1	X									pH: 6.84
2.	Oil & Grease #2	WW		Y	11/11/25	1:59PM	1	X									pH: 6.89
3.	Oil & Grease #3	WW		Y	11/11/25	2:01PM	1	X									pH: 6.95
4.	Monthly Cyanide	WW		X	11/11/25	1:20PM	1		X								pH: 8.86
5.	Composite #1	WW	X		11/11/25	1:36PM	1			X							pH: 8.81
6.	10 Trip Blank Composite #2	WW	Y		11/11/25	1:41PM	1			X							↓
7.	Trip Blank						1			Y							
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. James Eagles	DATE/TIME: 11/11/25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP	2.1 + 0.2 = 2.1
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME: 11/12/25	RECEIVED BY: 2. [Signature]	Comments:	IF Com #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	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