

LAB CHRONICLE

OrderID:	Q2600	OrderDate:	7/14/2025 2:21:01 PM
Client:	T&A Construction Inc	Project:	Kingsland Point Park Water Main
Contact:	Garrett Johnson	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2600-01	TRENCH	SOIL			07/14/25 13:00			07/14/25
			Cyanide	9012B		07/16/25	07/16/25 10:31	
			Hexavalent Chromium	7196A		07/16/25	07/16/25 16:04	
			pH	9045D			07/15/25 09:15	
Q2600-02	TRENCH	SOIL			07/14/25 13:00			07/14/25
			Ignitability	1030			07/15/25 14:15	
Q2600-05	STOCK-PILE	SOIL			07/14/25 13:10			07/14/25
			Cyanide	9012B		07/16/25	07/16/25 10:31	
			Hexavalent Chromium	7196A		07/16/25	07/16/25 16:05	
			pH	9045D			07/15/25 09:25	
Q2600-06	STOCK-PILE	SOIL			07/14/25 13:10			07/14/25
			Ignitability	1030			07/15/25 14:23	
Q2600-09	END-OF-TRENCH	SOIL			07/14/25 13:20			07/14/25
			Cyanide	9012B		07/16/25	07/16/25 10:31	

LAB CHRONICLE							
Q2600-10	END-OF-TRENCH	SOIL	Hexavalent Chromium	7196A	07/16/25	07/16/25	07/14/25
			pH	9045D		16:06	
						07/15/25	
						09:30	
					07/14/25		
					13:20		
			Ignitability	1030		07/15/25	
						14:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25 13:00
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-01	Matrix:	SOIL
		% Solid:	75.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.076	J	1	0.053	0.32	mg/Kg	07/16/25 08:10	07/16/25 10:31	9012B
Hexavalent Chromium	0.092	U	1	0.092	0.53	mg/Kg	07/16/25 12:40	07/16/25 16:04	7196A
pH	7.55	H	1	0	0	pH		07/15/25 09:15	9045D

Comments: pH result reported at temperature 24.6 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25 13:00
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ignitability	NO		1	0	0	oC		07/15/25 14:15	1030

Comments: _____

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J = Estimated Value

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N =Spiked sample recovery not within control limits

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25 13:10
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-05	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.051	U	1	0.051	0.30	mg/Kg	07/16/25 08:10	07/16/25 10:31	9012B
Hexavalent Chromium	0.084	U	1	0.084	0.48	mg/Kg	07/16/25 12:40	07/16/25 16:05	7196A
pH	7.68	H	1	0	0	pH		07/15/25 09:25	9045D

Comments: pH result reported at temperature 24.4 °C

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Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25 13:10
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	STOCK-PILE	SDG No.:	Q2600
Lab Sample ID:	Q2600-06	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ignitability	NO		1	0	0	oC		07/15/25 14:23	1030

Comments:

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Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25 13:20
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-09	Matrix:	SOIL
		% Solid:	85.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Cyanide	0.047	J	1	0.047	0.28	mg/Kg	07/16/25 08:10	07/16/25 10:31	9012B
Hexavalent Chromium	0.080	U	1	0.080	0.46	mg/Kg	07/16/25 12:40	07/16/25 16:06	7196A
pH	7.24	H	1	0	0	pH		07/15/25 09:30	9045D

Comments: pH result reported at temperature 24.1 °C

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B = Analyte Found in Associated Method Blank

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OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	T&A Construction Inc	Date Collected:	07/14/25 13:20
Project:	Kingsland Point Park Water Main	Date Received:	07/14/25
Client Sample ID:	END-OF-TRENCH	SDG No.:	Q2600
Lab Sample ID:	Q2600-10	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ignitability	NO		1	0	0	oC		07/15/25 14:30	1030

Comments: _____

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MDL = Method Detection Limit

LOD = Limit of Detection

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OR = Over Range

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: T&A Construction Inc

SDG No.: Q2600

Project: Kingsland Point Park Water Main

RunNo.: LB136472

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.01	7	100	90-110	07/15/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	07/15/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	07/15/2025

Initial and Continuing Calibration Verification

Client: T&A Construction Inc

SDG No.: Q2600

Project: Kingsland Point Park Water Main

RunNo.: LB136498

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Cyanide	mg/L	0.094	0.099	95	90-110	07/16/2025
Sample ID: CCV1 Cyanide	mg/L	0.24	0.25	96	90-110	07/16/2025
Sample ID: CCV2 Cyanide	mg/L	0.24	0.25	96	90-110	07/16/2025
Sample ID: CCV3 Cyanide	mg/L	0.25	0.25	100	90-110	07/16/2025

Initial and Continuing Calibration Verification

Client: T&A Construction Inc

SDG No.: Q2600

Project: Kingsland Point Park Water Main

RunNo.: LB136507

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	07/16/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	07/16/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.495	0.5	99	90-110	07/16/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	07/16/2025

Initial and Continuing Calibration Blank Summary

Client: T&A Construction Inc
Project: Kingsland Point Park Water Main

SDG No.: Q2600
RunNo.: LB136498

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/16/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/16/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/16/2025
Sample ID: CCB3 Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	07/16/2025

Initial and Continuing Calibration Blank Summary

Client: T&A Construction Inc

SDG No.: Q2600

Project: Kingsland Point Park Water Main

RunNo.: LB136507

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	07/16/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	07/16/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	07/16/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	07/16/2025

Preparation Blank Summary

Client: T&A Construction Inc

SDG No.: Q2600

Project: Kingsland Point Park Water Main

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB168862BL Cyanide	mg/Kg	< 0.1250	0.1250	U	0.042	0.25	07/16/2025
Sample ID: PB168870BL Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	07/16/2025

Matrix Spike Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2598-01
Client ID:	OK-01-071425MS	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1280		0.071	U	1330	40	96		07/16/2025

Matrix Spike Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2598-01
Client ID:	OK-01-071425MS	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	37.1		0.071	U	41.3	2	90		07/16/2025

Matrix Spike Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2598-01
Client ID:	OK-01-071425MS	Percent Solids for Spike Sample:	96.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	31.2		0.071	U	41.3	2	76		07/16/2025

Matrix Spike Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2600-09
Client ID:	END-OF-TRENCHMS	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	2.10		0.047	J	2.3	1	89		07/16/2025

Matrix Spike Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2600-09
Client ID:	END-OF-TRENCHMSD	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/Kg	75-125	1.90		0.047	J	2.3	1	81		07/16/2025

Duplicate Sample Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2592-01
Client ID:	WC-SOIL-20250711DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
pH	pH	+/-20	6.94		6.96		1	0.29		07/15/2025

Duplicate Sample Summary

Client: T&A Construction Inc Project: Kingsland Point Park Water Main Client ID: OK-01-071425DUP	SDG No.: Q2600 Sample ID: Q2598-01 Percent Solids for Spike Sample: 96.8
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.071	U	0.071	U	1	0		07/16/2025

Duplicate Sample Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2600-09
Client ID:	END-OF-TRENCHDUP	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	0.047	J	0.047	U	1	200	*	07/16/2025

Duplicate Sample Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2600-09
Client ID:	END-OF-TRENCHMSD	Percent Solids for Spike Sample:	85.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Cyanide	mg/Kg	+/-20	2.10		1.90		1	10		07/16/2025

Duplicate Sample Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Sample ID:	Q2605-04
Client ID:	V897DUP	Percent Solids for Spike Sample:	100

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		07/15/2025

Laboratory Control Sample Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Run No.:	LB136498

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168862BS							
Cyanide	mg/Kg	5	4.80		96	1	85-115	07/16/2025

Laboratory Control Sample Summary

Client:	T&A Construction Inc	SDG No.:	Q2600
Project:	Kingsland Point Park Water Main	Run No.:	LB136507

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB168870BS							
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	07/16/2025