

LAB CHRONICLE

OrderID:	Q3155	OrderDate:	9/19/2025 1:05:00 PM
Client:	Kleinfelder	Project:	Tanner G. Duckrey Public School
Contact:	Mark Warchol	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3155-01	COMP-1	SOIL			09/18/25 09:55			09/19/25
			Ammonia	SM4500-NH3		09/19/25	09/22/25 12:32	
			Anions Group1	9056A			09/22/25 10:31	
			Hexavalent Chromium	7196A		09/23/25	09/23/25 13:14	
			Trivalent Chromium	6010D			09/24/25 15:37	
Q3155-02	COMP-2	SOIL			09/18/25 10:40			09/19/25
			Ammonia	SM4500-NH3		09/19/25	09/22/25 12:42	
			Anions Group1	9056A			09/22/25 11:36	
			Hexavalent Chromium	7196A		09/23/25	09/23/25 13:14	
			Trivalent Chromium	6010D			09/24/25 15:50	
Q3155-03	COMP-3	SOIL			09/18/25 11:30			09/19/25
			Ammonia	SM4500-NH3		09/19/25	09/22/25 12:42	
			Anions Group1	9056A			09/22/25 11:57	
			Hexavalent Chromium	7196A		09/23/25	09/23/25 13:15	
			Trivalent Chromium	6010D			09/24/25 15:54	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/18/25 09:55
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-1	SDG No.:	Q3155
Lab Sample ID:	Q3155-01	Matrix:	SOIL
		% Solid:	87.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.40	U	1	2.40	5.50	mg/Kg	09/19/25 15:45	09/22/25 12:32	SM 4500-NH3 B plus G-21
Chloride	16.6		1	3.90	13.6	mg/Kg		09/22/25 10:31	9056A
Fluoride	3.70	J	1	2.00	9.10	mg/Kg		09/22/25 10:31	9056A
Sulfate	31.3	J	1	9.90	68.1	mg/Kg		09/22/25 10:31	9056A
Hexavalent Chromium	0.078	U	1	0.078	0.45	mg/Kg	09/23/25 08:45	09/23/25 13:14	7196A
Trivalent Chromium	24.9		1	0.57	0.57	mg/Kg		09/24/25 15:37	6010D

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:	Kleinfelder	Date Collected:	09/18/25 10:40
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-2	SDG No.:	Q3155
Lab Sample ID:	Q3155-02	Matrix:	SOIL
		% Solid:	91.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.40	U	1	2.40	5.40	mg/Kg	09/19/25 15:45	09/22/25 12:42	SM 4500-NH3 B plus G-21
Chloride	4.30	J	1	3.80	13.1	mg/Kg		09/22/25 11:36	9056A
Fluoride	3.20	J	1	1.90	8.70	mg/Kg		09/22/25 11:36	9056A
Sulfate	20.9	J	1	9.60	65.3	mg/Kg		09/22/25 11:36	9056A
Hexavalent Chromium	0.076	U	1	0.076	0.43	mg/Kg	09/23/25 08:45	09/23/25 13:14	7196A
Trivalent Chromium	17.7		1	0.55	0.55	mg/Kg		09/24/25 15:50	6010D

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:	Kleinfelder	Date Collected:	09/18/25 11:30
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-3	SDG No.:	Q3155
Lab Sample ID:	Q3155-03	Matrix:	SOIL
		% Solid:	91.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.30	U	1	2.30	5.30	mg/Kg	09/19/25 15:45	09/22/25 12:42	SM 4500-NH3 B plus G-21
Chloride	4.30	J	1	3.80	13.0	mg/Kg		09/22/25 11:57	9056A
Fluoride	2.90	J	1	1.90	8.70	mg/Kg		09/22/25 11:57	9056A
Sulfate	17.9	J	1	9.50	65.1	mg/Kg		09/22/25 11:57	9056A
Hexavalent Chromium	0.076	U	1	0.076	0.43	mg/Kg	09/23/25 08:45	09/23/25 13:15	7196A
Trivalent Chromium	18.3		1	0.55	0.55	mg/Kg		09/24/25 15:54	6010D

Comments: _____

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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: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137254

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	9.9	10	99	90-110	09/22/2025
Chloride	mg/L	2.9	3	97	90-110	09/22/2025
Fluoride	mg/L	2	2	100	90-110	09/22/2025
Nitrite	mg/L	2.9	3	97	90-110	09/22/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/22/2025
Sulfate	mg/L	14.6	15	97	90-110	09/22/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	09/22/2025
Sample ID: CCV2						
Bromide	mg/L	9.9	10	99	90-110	09/22/2025
Chloride	mg/L	2.9	3	97	90-110	09/22/2025
Fluoride	mg/L	2	2	100	90-110	09/22/2025
Nitrite	mg/L	2.9	3	97	90-110	09/22/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/22/2025
Sulfate	mg/L	14.6	15	97	90-110	09/22/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/22/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137261

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	09/22/2025
Sample ID: CCV1 Ammonia as N	mg/L	1	1	100	90-110	09/22/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	09/22/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	09/22/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137276

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	09/23/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	09/23/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	09/23/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	09/23/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137254

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/22/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/22/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137261

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	09/22/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137276

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	09/23/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025

Preparation Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137254BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	09/22/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	09/22/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	09/22/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	09/22/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	09/22/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	09/22/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	09/22/2025
Sample ID: PB169778BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	2.2	5	09/22/2025
Sample ID: PB169786BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210MS	Percent Solids for Spike Sample:	92.4

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	1350		0.075	U	1390	40	97		09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210MS	Percent Solids for Spike Sample:	92.4

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	41.3		0.075	U	43.3	2	95		09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210MS	Percent Solids for Spike Sample:	92.4

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	35.8		0.075	U	43.3	2	83		09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3155-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	87.8

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/Kg	75-125	58.5		2.40	U	55.8	1	105		09/22/2025
Bromide	mg/Kg	80-120	223		8.00	U	230	1	97		09/22/2025
Chloride	mg/Kg	80-120	86.8		16.6		67.7	1	104		09/22/2025
Fluoride	mg/Kg	80-120	44.0		3.70	J	45.1	1	89		09/22/2025
Nitrite	mg/Kg	80-120	66.1		1.70	U	67.7	1	98		09/22/2025
Nitrate	mg/Kg	80-120	57.3		4.30	J	56.4	1	94		09/22/2025
Sulfate	mg/Kg	80-120	353		31.3	J	340	1	95		09/22/2025
Orthophosphate as P	mg/Kg	80-120	104		7.60	U	110	1	94		09/22/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3155-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	87.8

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/Kg	75-125	57.6		2.40	U	56.4	1	102		09/22/2025
Bromide	mg/Kg	80-120	224		8.00	U	230	1	97		09/22/2025
Chloride	mg/Kg	80-120	86.9		16.6		68.1	1	103		09/22/2025
Fluoride	mg/Kg	80-120	44.9		3.70	J	45.4	1	91		09/22/2025
Nitrite	mg/Kg	80-120	66.4		1.70	U	68.1	1	98		09/22/2025
Nitrate	mg/Kg	80-120	57.6		4.30	J	56.7	1	94		09/22/2025
Sulfate	mg/Kg	80-120	354		31.3	J	340	1	95		09/22/2025
Orthophosphate as P	mg/Kg	80-120	109		7.60	U	110	1	99		09/22/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210DUP	Percent Solids for Spike Sample:	92.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.075	U	0.075	U	1	0		09/23/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3155-01
Client ID:	COMP-1DUP	Percent Solids for Spike Sample:	87.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	2.40	U	2.40	U	1	0		09/22/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3155-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	87.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	223		224		1	0		09/22/2025
Chloride	mg/Kg	+/-15	86.8		86.9		1	0		09/22/2025
Nitrite	mg/Kg	+/-15	66.1		66.4		1	0		09/22/2025
Sulfate	mg/Kg	+/-15	353		354		1	0		09/22/2025
Nitrate	mg/Kg	+/-15	57.3		57.6		1	1		09/22/2025
Fluoride	mg/Kg	+/-15	44.0		44.9		1	2		09/22/2025
Orthophosphate as P	mg/Kg	+/-15	104		109		1	5		09/22/2025
Ammonia as N	mg/Kg	+/-20	58.5		57.6		1	2		09/22/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Run No.: LB137254

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137254BSS							
Bromide	mg/Kg	200	196		98	1	90-110	09/22/2025
Chloride	mg/Kg	60	57.8		96	1	90-110	09/22/2025
Fluoride	mg/Kg	40	39.2		98	1	90-110	09/22/2025
Nitrite	mg/Kg	60	58.4		97	1	90-110	09/22/2025
Nitrate	mg/Kg	50	47.6		95	1	90-110	09/22/2025
Sulfate	mg/Kg	300	290		97	1	90-110	09/22/2025
Orthophosphate as P	mg/Kg	100	99.2		99	1	90-110	09/22/2025

Laboratory Control Sample Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Run No.:	LB137261

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169778BS							
Ammonia as N	mg/Kg	50	48.6		97	1	90-110	09/22/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Run No.: LB137276

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169786BS							
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	09/23/2025