

LAB CHRONICLE

OrderID:	Q1889	OrderDate:	4/25/2025 11:06:00 AM
Client:	Kleinfelder	Project:	Mitchell School
Contact:	Mark Warchol	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1889-01	COMP-1	SOIL			04/24/25 10:15			04/25/25
			Ammonia	SM4500-NH3		04/30/25	04/30/25 13:51	
			Anions Group1	9056A			04/28/25 16:03	
			Hexavalent Chromium	7196A		04/28/25	04/28/25 12:30	
			Trivalent Chromium	6010D			04/30/25 20:31	
Q1889-02	COMP-2	SOIL			04/24/25 10:45			04/25/25
			Ammonia	SM4500-NH3		04/30/25	04/30/25 13:51	
			Anions Group1	9056A			04/28/25 16:24	
			Hexavalent Chromium	7196A		04/28/25	04/28/25 12:31	
			Trivalent Chromium	6010D			04/30/25 20:35	
Q1889-03	COMP-3	SOIL			04/24/25 11:25			04/25/25
			Ammonia	SM4500-NH3		04/30/25	04/30/25 13:51	
			Anions Group1	9056A			04/28/25 16:46	
			Hexavalent Chromium	7196A		04/28/25	04/28/25 12:32	
			Trivalent Chromium	6010D			04/30/25 20:39	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/24/25 10:15
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-1	SDG No.:	Q1889
Lab Sample ID:	Q1889-01	Matrix:	SOIL
		% Solid:	82.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	5.50	J	1	2.60	5.90	mg/Kg	04/30/25 09:25	04/30/25 13:51	SM 4500-NH3 B plus G-11
Chloride	25.6		1	4.20	14.5	mg/Kg		04/28/25 16:03	9056A
Fluoride	3.40	J	1	2.10	9.70	mg/Kg		04/28/25 16:03	9056A
Sulfate	18.5	J	1	10.6	72.6	mg/Kg		04/28/25 16:03	9056A
Hexavalent Chromium	0.084	U	1	0.084	0.48	mg/Kg	04/28/25 08:50	04/28/25 12:30	7196A
Trivalent Chromium	17.8		1	0.61	0.61	mg/Kg		04/30/25 20:31	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:	04/24/25 10:45
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-2	SDG No.:	Q1889
Lab Sample ID:	Q1889-02	Matrix:	SOIL
		% Solid:	80.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.60	U	1	2.60	6.00	mg/Kg	04/30/25 09:25	04/30/25 13:51	SM 4500-NH3 B plus G-11
Chloride	4.70	J	1	4.30	14.8	mg/Kg		04/28/25 16:24	9056A
Fluoride	3.80	J	1	2.20	9.80	mg/Kg		04/28/25 16:24	9056A
Sulfate	27.8	J	1	10.8	73.8	mg/Kg		04/28/25 16:24	9056A
Hexavalent Chromium	0.14	J	1	0.085	0.48	mg/Kg	04/28/25 08:50	04/28/25 12:31	7196A
Trivalent Chromium	20.3		1	0.62	0.62	mg/Kg		04/30/25 20:35	6010D

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

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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:	04/24/25 11:25
Project:	Mitchell School	Date Received:	04/25/25
Client Sample ID:	COMP-3	SDG No.:	Q1889
Lab Sample ID:	Q1889-03	Matrix:	SOIL
		% Solid:	80.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.70	U	1	2.70	6.10	mg/Kg	04/30/25 09:25	04/30/25 13:51	SM 4500-NH3 B plus G-11
Chloride	5.00	J	1	4.30	14.8	mg/Kg		04/28/25 16:46	9056A
Fluoride	10.3		1	2.20	9.90	mg/Kg		04/28/25 16:46	9056A
Sulfate	34.4	J	1	10.8	73.9	mg/Kg		04/28/25 16:46	9056A
Hexavalent Chromium	0.15	J	1	0.085	0.49	mg/Kg	04/28/25 08:50	04/28/25 12:32	7196A
Trivalent Chromium	20.6		1	0.62	0.62	mg/Kg		04/30/25 20:39	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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135573

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	04/22/2025
Chloride	mg/L	3.1	3	103	90-110	04/22/2025
Fluoride	mg/L	2	2	100	90-110	04/22/2025
Nitrite	mg/L	3.1	3	103	90-110	04/22/2025
Nitrate	mg/L	2.6	2.5	104	90-110	04/22/2025
Sulfate	mg/L	15.1	15	101	90-110	04/22/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	04/22/2025
Sample ID: CCV1						
Bromide	mg/L	10.5	10	105	90-110	04/28/2025
Chloride	mg/L	3.2	3	107	90-110	04/28/2025
Fluoride	mg/L	2.1	2	105	90-110	04/28/2025
Nitrite	mg/L	3.1	3	103	90-110	04/28/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/28/2025
Sulfate	mg/L	15.4	15	103	90-110	04/28/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	04/28/2025
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	04/28/2025
Chloride	mg/L	3.2	3	107	90-110	04/28/2025
Fluoride	mg/L	2.1	2	105	90-110	04/28/2025
Nitrite	mg/L	3.2	3	107	90-110	04/28/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/28/2025
Sulfate	mg/L	15.4	15	103	90-110	04/28/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	04/28/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135578

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	04/28/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.490	0.5	98	90-110	04/28/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.490	0.5	98	90-110	04/28/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	04/28/2025
Sample ID: CCV4 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	04/28/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135612

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.92	1	92	90-110	04/30/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.94	1	94	90-110	04/30/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	04/30/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.97	1	97	90-110	04/30/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135612

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135573

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	04/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/22/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/28/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/28/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/28/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/28/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/28/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/28/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/28/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/28/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/28/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/28/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/28/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/28/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/28/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/28/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135578

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	04/28/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/28/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/28/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/28/2025
Sample ID: CCB4 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/28/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

RunNo.: LB135612

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	04/30/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/30/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/30/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/30/2025

Preparation Blank Summary

Client: Kleinfelder

SDG No.: Q1889

Project: Mitchell School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135573BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	04/28/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	04/28/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	04/28/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	04/28/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	04/28/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	04/28/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	04/28/2025
Sample ID: PB167730BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	04/28/2025
Sample ID: PB167793BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	2.2	5	04/30/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1878-01
Client ID:	TR-4-042425MS	Percent Solids for Spike Sample:	98.9

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	1270		0.070	U	1300	40	98		04/28/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1878-01
Client ID:	TR-4-042425MS	Percent Solids for Spike Sample:	98.9

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	38.6		0.070	U	40.4	2	96		04/28/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1878-01
Client ID:	TR-4-042425MS	Percent Solids for Spike Sample:	98.9

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	32.6		0.070	U	40.4	2	81		04/28/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	82.5

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	63.1		5.50	J	58.8	1	98		04/30/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	82.5

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	65.5		5.50	J	59.4	1	101		04/30/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-03
Client ID:	COMP-3MS	Percent Solids for Spike Sample:	80.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	252		8.70	U	250	1	101		04/28/2025
Chloride	mg/Kg	80-120	79.3		5.00	J	74.1	1	100		04/28/2025
Fluoride	mg/Kg	80-120	53.2		10.3		49.4	1	87		04/28/2025
Nitrite	mg/Kg	80-120	75.1		1.90	U	74.1	1	101		04/28/2025
Nitrate	mg/Kg	80-120	63.3		2.40	J	61.7	1	99		04/28/2025
Sulfate	mg/Kg	80-120	393		34.4	J	370	1	97		04/28/2025
Orthophosphate as P	mg/Kg	80-120	98.8		8.20	U	120	1	82		04/28/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-03
Client ID:	COMP-3MSD	Percent Solids for Spike Sample:	80.7

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	252		8.70	U	250	1	101		04/28/2025
Chloride	mg/Kg	80-120	79.3		5.00	J	73.9	1	101		04/28/2025
Fluoride	mg/Kg	80-120	53.7		10.3		49.3	1	88		04/28/2025
Nitrite	mg/Kg	80-120	75.2		1.90	U	73.9	1	102		04/28/2025
Nitrate	mg/Kg	80-120	63.3		2.40	J	61.6	1	99		04/28/2025
Sulfate	mg/Kg	80-120	394		34.4	J	370	1	97		04/28/2025
Orthophosphate as P	mg/Kg	80-120	99.1		8.20	U	120	1	83		04/28/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1878-01
Client ID:	TR-4-042425DUP	Percent Solids for Spike Sample:	98.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.070	U	0.070	U	1	0		04/28/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-01
Client ID:	COMP-1DUP	Percent Solids for Spike Sample:	82.5

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	5.50	J	5.60	J	1	2		04/30/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	82.5

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	63.1		65.5		1	4		04/30/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1889
Project:	Mitchell School	Sample ID:	Q1889-03
Client ID:	COMP-3MSD	Percent Solids for Spike Sample:	80.7

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	252		252		1	0		04/28/2025
Chloride	mg/Kg	+/-15	79.3		79.3		1	0		04/28/2025
Nitrate	mg/Kg	+/-15	63.3		63.3		1	0		04/28/2025
Nitrite	mg/Kg	+/-15	75.1		75.2		1	0		04/28/2025
Orthophosphate as P	mg/Kg	+/-15	98.8		99.1		1	0		04/28/2025
Sulfate	mg/Kg	+/-15	393		394		1	0		04/28/2025
Fluoride	mg/Kg	+/-15	53.2		53.7		1	1		04/28/2025

Laboratory Control Sample Summary

Client: Kleinfelder
Project: Mitchell School

SDG No.: Q1889
Run No.: LB135573

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135573BSS							
Bromide	mg/Kg	200	211		106	1	90-110	04/28/2025
Chloride	mg/Kg	60	63.6		106	1	90-110	04/28/2025
Fluoride	mg/Kg	40	41.5		104	1	90-110	04/28/2025
Nitrite	mg/Kg	60	63.2		105	1	90-110	04/28/2025
Nitrate	mg/Kg	50	53.6		107	1	90-110	04/28/2025
Sulfate	mg/Kg	300	308		103	1	90-110	04/28/2025
Orthophosphate as P	mg/Kg	100	105		105	1	90-110	04/28/2025

Laboratory Control Sample Summary

Client: Kleinfelder
Project: Mitchell School

SDG No.: Q1889
Run No.: LB135578

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167730BS							
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	04/28/2025

Laboratory Control Sample Summary

Client: Kleinfelder
Project: Mitchell School

SDG No.: Q1889
Run No.: LB135612

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167793BS							
Ammonia as N	mg/Kg	50	47.5		95	1	90-110	04/30/2025