

LAB CHRONICLE

OrderID:	Q1859	OrderDate:	4/22/2025 2:55:00 PM
Client:	Kleinfelder	Project:	Lincoln High School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1859-01	COMP-1	SOIL			04/18/25 08:55			04/22/25
			Ammonia	SM4500-NH3		04/24/25	04/25/25 11:59	
			Anions Group1	9056A			04/23/25 12:53	
			Hexavalent Chromium	7196A		04/23/25	04/23/25 13:54	
			Trivalent Chromium	6010D			04/23/25 17:39	
Q1859-02	COMP-2	SOIL			04/18/25 09:40			04/22/25
			Ammonia	SM4500-NH3		04/24/25	04/25/25 11:59	
			Anions Group1	9056A			04/23/25 13:15	
			Hexavalent Chromium	7196A		04/23/25	04/23/25 13:55	
			Trivalent Chromium	6010D			04/23/25 17:43	
Q1859-03	COMP-3	SOIL			04/18/25 10:20			04/22/25
			Ammonia	SM4500-NH3		04/24/25	04/25/25 11:59	
			Anions Group1	9056A			04/23/25 13:36	
			Hexavalent Chromium	7196A		04/23/25	04/23/25 13:56	
			Trivalent Chromium	6010D			04/23/25 17:47	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25 08:55
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-1	SDG No.:	Q1859
Lab Sample ID:	Q1859-01	Matrix:	SOIL
		% Solid:	79.6

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	6.20	mg/Kg	04/24/25 13:00	04/25/25 11:59	SM 4500-NH3 B plus G-11
Chloride	4.80	J	1	4.40	15.0	mg/Kg		04/23/25 12:53	9056A
Fluoride	4.70	J	1	2.20	10.0	mg/Kg		04/23/25 12:53	9056A
Sulfate	18.0	J	1	11.0	75.2	mg/Kg		04/23/25 12:53	9056A
Hexavalent Chromium	0.087	U	1	0.087	0.50	mg/Kg	04/23/25 09:30	04/23/25 13:54	7196A
Trivalent Chromium	16.7		1	0.63	0.63	mg/Kg		04/23/25 17:39	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25 09:40
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-2	SDG No.:	Q1859
Lab Sample ID:	Q1859-02	Matrix:	SOIL
		% Solid:	83.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	26.7		1	2.50	5.80	mg/Kg	04/24/25 13:00	04/25/25 11:59	SM 4500-NH3 B plus G-11
Chloride	88.7		1	4.20	14.4	mg/Kg		04/23/25 13:15	9056A
Fluoride	7.90	J	1	2.10	9.60	mg/Kg		04/23/25 13:15	9056A
Sulfate	94.5		1	10.5	71.8	mg/Kg		04/23/25 13:15	9056A
Hexavalent Chromium	0.083	U	1	0.083	0.47	mg/Kg	04/23/25 09:30	04/23/25 13:55	7196A
Trivalent Chromium	16.9		1	0.60	0.60	mg/Kg		04/23/25 17:43	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:	04/18/25 10:20
Project:	Lincoln High School	Date Received:	04/22/25
Client Sample ID:	COMP-3	SDG No.:	Q1859
Lab Sample ID:	Q1859-03	Matrix:	SOIL
		% Solid:	85.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.50	U	1	2.50	5.80	mg/Kg	04/24/25 13:00	04/25/25 11:59	SM 4500-NH3 B plus G-11
Chloride	77.9		1	4.00	13.9	mg/Kg		04/23/25 13:36	9056A
Fluoride	7.80	J	1	2.00	9.30	mg/Kg		04/23/25 13:36	9056A
Sulfate	73.1		1	10.1	69.4	mg/Kg		04/23/25 13:36	9056A
Hexavalent Chromium	0.081	U	1	0.081	0.46	mg/Kg	04/23/25 09:30	04/23/25 13:56	7196A
Trivalent Chromium	16.5		1	0.58	0.58	mg/Kg		04/23/25 17:47	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.: Q1859

Project: Lincoln High School

RunNo.: LB135527

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	10.7	10	107	90-110	04/23/2025
Chloride	mg/L	3.2	3	107	90-110	04/23/2025
Fluoride	mg/L	2.1	2	105	90-110	04/23/2025
Nitrite	mg/L	3.2	3	107	90-110	04/23/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/23/2025
Sulfate	mg/L	15.6	15	104	90-110	04/23/2025
Orthophosphate as P	mg/L	5.4	5	108	90-110	04/23/2025
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	04/23/2025
Chloride	mg/L	3.2	3	107	90-110	04/23/2025
Fluoride	mg/L	2.1	2	105	90-110	04/23/2025
Nitrite	mg/L	3.2	3	107	90-110	04/23/2025
Nitrate	mg/L	2.7	2.5	108	90-110	04/23/2025
Sulfate	mg/L	15.5	15	103	90-110	04/23/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	04/23/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

RunNo.: LB135535

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.494	0.5	99	90-110	04/23/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	04/23/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	04/23/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	04/23/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

RunNo.: LB135559

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.94	1	94	90-110	04/25/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.95	1	95	90-110	04/25/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.99	1	99	90-110	04/25/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.93	1	93	90-110	04/25/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.99	1	99	90-110	04/25/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

RunNo.: LB135559

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.: Q1859

Project: Lincoln High School

RunNo.: LB135527

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	04/23/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/23/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/23/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/23/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/23/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/23/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/23/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	04/23/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	04/23/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	04/23/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	04/23/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	04/23/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	04/23/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	04/23/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

RunNo.: LB135535

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	04/23/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/23/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/23/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	04/23/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

RunNo.: LB135559

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	04/25/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/25/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/25/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/25/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	04/25/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

RunNo.: LB135559

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB135527BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	04/23/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	04/23/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	04/23/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	04/23/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	04/23/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	04/23/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	04/23/2025
Sample ID: PB167705BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	04/23/2025
Sample ID: PB167731BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	2.2	5	04/25/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1852-01
Client ID:	ETGI-354MS	Percent Solids for Spike Sample:	92.5

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	1310		0.074	U	1390	40	94		04/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1852-01
Client ID:	ETGI-354MS	Percent Solids for Spike Sample:	92.5

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	39.8		0.074	U	43.2	2	92		04/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1852-01
Client ID:	ETGI-354MS	Percent Solids for Spike Sample:	92.5

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	32.9		0.074	U	43.2	2	76		04/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1858-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	83.9

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	54.5		2.60	U	57.9	1	94		04/25/2025
Bromide	mg/Kg	80-120	251		8.30	U	240	1	105		04/23/2025
Chloride	mg/Kg	80-120	106		34.6		71.1	1	100		04/23/2025
Fluoride	mg/Kg	80-120	43.1		2.10	J	47.4	1	86		04/23/2025
Nitrite	mg/Kg	80-120	74.9		1.80	U	71.1	1	105		04/23/2025
Nitrate	mg/Kg	80-120	70.8		10.9	J	59.2	1	101		04/23/2025
Sulfate	mg/Kg	80-120	873		553		360	1	89		04/23/2025
Orthophosphate as P	mg/Kg	80-120	85.9		7.90	U	120	1	72	*	04/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1858-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	83.9

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	55.5		2.60	U	58.4	1	95		04/25/2025
Bromide	mg/Kg	80-120	252		8.30	U	240	1	105		04/23/2025
Chloride	mg/Kg	80-120	106		34.6		71.4	1	100		04/23/2025
Fluoride	mg/Kg	80-120	42.5		2.10	J	47.6	1	85		04/23/2025
Nitrite	mg/Kg	80-120	75.2		1.80	U	71.4	1	105		04/23/2025
Nitrate	mg/Kg	80-120	70.9		10.9	J	59.5	1	101		04/23/2025
Sulfate	mg/Kg	80-120	877		553		360	1	90		04/23/2025
Orthophosphate as P	mg/Kg	80-120	86.9		7.90	U	120	1	72	*	04/23/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1852-01
Client ID:	ETGI-354DUP	Percent Solids for Spike Sample:	92.5

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.074	U	0.074	U	1	0		04/23/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1858-01
Client ID:	COMP-1DUP	Percent Solids for Spike Sample:	83.9

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	2.60	U	2.60	U	1	0		04/25/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q1859
Project:	Lincoln High School	Sample ID:	Q1858-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	83.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	251		252		1	0		04/23/2025
Chloride	mg/Kg	+/-15	106		106		1	0		04/23/2025
Nitrate	mg/Kg	+/-15	70.8		70.9		1	0		04/23/2025
Nitrite	mg/Kg	+/-15	74.9		75.2		1	0		04/23/2025
Sulfate	mg/Kg	+/-15	873		877		1	0		04/23/2025
Fluoride	mg/Kg	+/-15	43.1		42.5		1	1		04/23/2025
Orthophosphate as P	mg/Kg	+/-15	85.9		86.9		1	1		04/23/2025
Ammonia as N	mg/Kg	+/-20	54.5		55.5		1	2		04/25/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

Run No.: LB135527

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135527BSS							
Bromide	mg/Kg	200	212		106	1	90-110	04/23/2025
Chloride	mg/Kg	60	64.0		107	1	90-110	04/23/2025
Fluoride	mg/Kg	40	41.8		104	1	90-110	04/23/2025
Nitrite	mg/Kg	60	63.2		105	1	90-110	04/23/2025
Nitrate	mg/Kg	50	53.9		108	1	90-110	04/23/2025
Sulfate	mg/Kg	300	309		103	1	90-110	04/23/2025
Orthophosphate as P	mg/Kg	100	106		106	1	90-110	04/23/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

Run No.: LB135535

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167705BS							
Hexavalent Chromium	mg/Kg	20	20.2		101	1	84-110	04/23/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q1859

Project: Lincoln High School

Run No.: LB135559

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB167731BS							
Ammonia as N	mg/Kg	50	47.1		94	1	90-110	04/25/2025