

LAB CHRONICLE

OrderID:	P5382	OrderDate:	12/23/2024 11:39:00 AM
Client:	Kleinfelder	Project:	Comegys School
Contact:	Mark Warchol	Location:	N31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5382-01	COMP-1	SOIL			12/20/24 09:15			12/23/24
			Ammonia	SM4500-NH3		12/26/24	12/26/24 11:58	
			Anions Group1	9056A			12/26/24 11:19	
			Hexavalent Chromium	7196A		12/26/24	12/26/24 12:24	
			Trivalent Chromium	6010D			12/30/24 15:06	
P5382-02	COMP-2	SOIL			12/20/24 09:50			12/23/24
			Ammonia	SM4500-NH3		12/26/24	12/26/24 11:58	
			Anions Group1	9056A			12/26/24 12:24	
			Hexavalent Chromium	7196A		12/26/24	12/26/24 12:25	
			Trivalent Chromium	6010D			12/30/24 15:11	
P5382-03	COMP-3	SOIL			12/20/24 10:35			12/23/24
			Ammonia	SM4500-NH3		12/26/24	12/26/24 11:58	
			Anions Group1	9056A			12/26/24 12:45	
			Hexavalent Chromium	7196A		12/26/24	12/26/24 12:26	
			Trivalent Chromium	6010D			12/30/24 15:15	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24 09:15
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-1	SDG No.:	P5382
Lab Sample ID:	P5382-01	Matrix:	SOIL
		% Solid:	82.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.70	J	1	1.10	5.90	mg/Kg	12/26/24 08:30	12/26/24 11:58	SM 4500-NH3 B plus G-11
Chloride	7.00	J	1	0.12	14.4	mg/Kg		12/26/24 11:19	9056A
Fluoride	6.80	J	1	0.46	9.60	mg/Kg		12/26/24 11:19	9056A
Sulfate	40.6	J	1	0.73	72.2	mg/Kg		12/26/24 11:19	9056A
Hexavalent Chromium	0.095	U	1	0.095	0.48	mg/Kg	12/26/24 09:10	12/26/24 12:24	7196A
Trivalent Chromium	29.3		1	0.60	0.60	mg/Kg		12/30/24 15:06	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:	12/20/24 09:50
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-2	SDG No.:	P5382
Lab Sample ID:	P5382-02	Matrix:	SOIL
		% Solid:	82.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	3.00	J	1	1.00	5.80	mg/Kg	12/26/24 08:30	12/26/24 11:58	SM 4500-NH3 B plus G-11
Chloride	9.70	J	1	0.12	14.5	mg/Kg		12/26/24 12:24	9056A
Fluoride	8.60	J	1	0.46	9.70	mg/Kg		12/26/24 12:24	9056A
Sulfate	35.5	J	1	0.74	72.6	mg/Kg		12/26/24 12:24	9056A
Hexavalent Chromium	0.094	U	1	0.094	0.48	mg/Kg	12/26/24 09:10	12/26/24 12:25	7196A
Trivalent Chromium	14.4		1	0.61	0.61	mg/Kg		12/30/24 15:11	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:	12/20/24 10:35
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3	SDG No.:	P5382
Lab Sample ID:	P5382-03	Matrix:	SOIL
		% Solid:	82.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.50	J	1	1.10	6.00	mg/Kg	12/26/24 08:30	12/26/24 11:58	SM 4500-NH3 B plus G-11
Chloride	7.20	J	1	0.12	14.4	mg/Kg		12/26/24 12:45	9056A
Fluoride	6.90	J	1	0.46	9.60	mg/Kg		12/26/24 12:45	9056A
Sulfate	33.3	J	1	0.73	72.2	mg/Kg		12/26/24 12:45	9056A
Hexavalent Chromium	0.094	U	1	0.094	0.48	mg/Kg	12/26/24 09:10	12/26/24 12:26	7196A
Trivalent Chromium	18.7		1	0.60	0.60	mg/Kg		12/30/24 15:15	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.: P5382

Project: Comegys School

RunNo.: LB134081

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	12/18/2024
Chloride	mg/L	3.1	3	103	90-110	12/18/2024
Fluoride	mg/L	2	2	100	90-110	12/18/2024
Nitrite	mg/L	3.1	3	103	90-110	12/18/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/18/2024
Sulfate	mg/L	15.3	15	102	90-110	12/18/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	12/18/2024
Sample ID: CCV1						
Bromide	mg/L	10.4	10	104	90-110	12/26/2024
Chloride	mg/L	3.1	3	103	90-110	12/26/2024
Fluoride	mg/L	2.1	2	105	90-110	12/26/2024
Nitrite	mg/L	3.1	3	103	90-110	12/26/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/26/2024
Sulfate	mg/L	15.7	15	105	90-110	12/26/2024
Orthophosphate as P	mg/L	4.9	5	98	90-110	12/26/2024
Sample ID: CCV2						
Bromide	mg/L	10.4	10	104	90-110	12/26/2024
Chloride	mg/L	3.1	3	103	90-110	12/26/2024
Fluoride	mg/L	2.1	2	105	90-110	12/26/2024
Nitrite	mg/L	3.1	3	103	90-110	12/26/2024
Nitrate	mg/L	2.6	2.5	104	90-110	12/26/2024
Sulfate	mg/L	15.5	15	103	90-110	12/26/2024
Orthophosphate as P	mg/L	5.3	5	106	90-110	12/26/2024

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: P5382

Project: Comegys School

RunNo.: LB134085

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	12/26/2024
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	12/26/2024
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.499	0.5	100	90-110	12/26/2024

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: P5382

Project: Comegys School

RunNo.: LB134087

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	12/26/2024
Sample ID: CCV1 Ammonia as N	mg/L	0.98	1	98	90-110	12/26/2024
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	12/26/2024
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	12/26/2024
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	12/26/2024

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: P5382

Project: Comegys School

RunNo.: LB134081

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/18/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/18/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/18/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/18/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/18/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/18/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/18/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/26/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/26/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/26/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/26/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/26/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/26/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/26/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	12/26/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/26/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	12/26/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	12/26/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	12/26/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	12/26/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	12/26/2024

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: P5382

Project: Comegys School

RunNo.: LB134085

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/26/2024
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/26/2024
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	12/26/2024

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: P5382

Project: Comegys School

RunNo.: LB134087

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	12/26/2024
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	12/26/2024
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	12/26/2024
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	12/26/2024
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	12/26/2024

Preparation Blank Summary

Client: Kleinfelder

SDG No.: P5382

Project: Comegys School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134081BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	12/26/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	12/26/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	12/26/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	12/26/2024
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	12/26/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	12/26/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	12/26/2024
Sample ID: PB165837BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	0.9	5	12/26/2024
Sample ID: PB165838BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	12/26/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P5382
Project:	Comegys School	Sample ID:	P5382-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	82.8

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	61.7		1.70	J	59.2	1	101		12/26/2024
Bromide	mg/Kg	80-120	256		0.59	U	240	1	107		12/26/2024
Chloride	mg/Kg	80-120	80.6		7.00	J	72	1	102		12/26/2024
Fluoride	mg/Kg	80-120	51.7		6.80	J	48	1	94		12/26/2024
Nitrite	mg/Kg	80-120	76.4		0.23	U	72	1	106		12/26/2024
Nitrate	mg/Kg	80-120	63.9		4.40	J	60	1	99		12/26/2024
Sulfate	mg/Kg	80-120	393		40.6	J	360	1	98		12/26/2024
Orthophosphate as P	mg/Kg	80-120	111		0.29	U	120	1	92		12/26/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P5382
Project:	Comegys School	Sample ID:	P5382-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	82.8

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	59.5		1.70	J	58.6	1	99		12/26/2024
Bromide	mg/Kg	80-120	255		0.59	U	240	1	106		12/26/2024
Chloride	mg/Kg	80-120	81.4		7.00	J	72	1	103		12/26/2024
Fluoride	mg/Kg	80-120	52.1		6.80	J	48	1	94		12/26/2024
Nitrite	mg/Kg	80-120	76.4		0.23	U	72	1	106		12/26/2024
Nitrate	mg/Kg	80-120	64.1		4.40	J	60	1	99		12/26/2024
Sulfate	mg/Kg	80-120	393		40.6	J	360	1	98		12/26/2024
Orthophosphate as P	mg/Kg	80-120	107		0.29	U	120	1	89		12/26/2024

Matrix Spike Summary

Client:

Kleinfelder

Project:

Comegys School

Client ID:

OK-02-12232024MS

SDG No.:

P5382

Sample ID:

P5383-01

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	1360		0.085	U	1390	40	98		12/26/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P5382
Project:	Comegys School	Sample ID:	P5383-01
Client ID:	OK-02-12232024MS	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	41.7		0.085	U	43.3	2	96		12/26/2024

Matrix Spike Summary

Client:

Kleinfelder

Project:

Comegys School

Client ID:

OK-02-12232024MS

SDG No.:

P5382

Sample ID:

P5383-01

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	34.7		0.085	U	43.3	2	80		12/26/2024

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	P5382
Project:	Comegys School	Sample ID:	P5382-01
Client ID:	COMP-1DUP	Percent Solids for Spike Sample:	82.8

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	1.70	J	1.50	J	1	12		12/26/2024

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	P5382
Project:	Comegys School	Sample ID:	P5382-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	82.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	256		255		1	0		12/26/2024
Nitrate	mg/Kg	+/-15	63.9		64.1		1	0		12/26/2024
Nitrite	mg/Kg	+/-15	76.4		76.4		1	0		12/26/2024
Sulfate	mg/Kg	+/-15	393		393		1	0		12/26/2024
Chloride	mg/Kg	+/-15	80.6		81.4		1	1		12/26/2024
Fluoride	mg/Kg	+/-15	51.7		52.1		1	1		12/26/2024
Orthophosphate as P	mg/Kg	+/-15	111		107		1	4		12/26/2024
Ammonia as N	mg/Kg	+/-20	61.7		59.5		1	4		12/26/2024

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	P5382
Project:	Comegys School	Sample ID:	P5383-01
Client ID:	OK-02-12232024DUP	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	0.085	U	0.085	U	1	0		12/26/2024

Laboratory Control Sample Summary

Client: Kleinfelder
Project: Comegys School

SDG No.: P5382
Run No.: LB134081

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134081BSS							
Bromide	mg/Kg	200	209		104	1	90-110	12/26/2024
Chloride	mg/Kg	60	62.4		104	1	90-110	12/26/2024
Fluoride	mg/Kg	40	41.6		104	1	90-110	12/26/2024
Nitrite	mg/Kg	60	62.3		104	1	90-110	12/26/2024
Nitrate	mg/Kg	50	52.0		104	1	90-110	12/26/2024
Sulfate	mg/Kg	300	312		104	1	90-110	12/26/2024
Orthophosphate as P	mg/Kg	100	103		103	1	90-110	12/26/2024

Laboratory Control Sample Summary

Client: Kleinfelder
Project: Comegys School

SDG No.: P5382
Run No.: LB134087

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165837BS							
Ammonia as N	mg/Kg	50	49.6		99	1	90-110	12/26/2024

Laboratory Control Sample Summary

Client: Kleinfelder
Project: Comegys School

SDG No.: P5382
Run No.: LB134085

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165838BS							
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	12/26/2024