284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : HARRINGTON SCHOOL

KLEINFELDER

180 Sheree Boulevard, Suite 3800

Exton, PA - 19341

Phone No: 610-594-1444

ORDER ID : P4675

ATTENTION : Mark Warchol

Laboratory Certification ID # 20012

Table Of Contents for P4675

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : P4675

Project ID : Harrington School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
P4675-01	COMP-1
P4675-02	COMP-2
P4675-03	COMP-3
P4675-04	COMP-4
P4675-05	COMP-5
P4675-06	COMP-6

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/14/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

Kleinfelder
Project Name: Harrington School
Project # N/A
Chemtech Project # P4675
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 11/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements except for COMP-5, as corrective action sample reanalyzed but did not purged therefore VIAL A reported as final.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID VY020133.D met the requirements except for Isopropylbenzene is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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CASE NARRATIVE

Kleinfelder
Project Name: Harrington School
Project # N/A
Chemtech Project # P4675
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 11/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PB164639BS [Terphenyl-d14 - 107%] surrogate is marginally biased high, therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements except for COMP-4, COMP-4MS and COMP-4MSD, Internal standard failure in sample COMP-4 confirm with its MS and MSD therefore no corrective action taken.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .

The Blank Spike for {PB164639BS} with File ID: BE101474.D met requirements for all samples except for Anthracene[112%], Benzo(a)anthracene[112%], Benzo(a)pyrene[112%], Chrysene[106%], Indeno(1,2,3-cd)pyrene[106%] and Phenanthrene[106%] are failing high and associate sample having hit of some analyte but below CRQL therefore no corrective action taken.

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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

Kleinfelder
Project Name: Harrington School
Project # N/A
Chemtech Project # P4675
Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 11/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for PESTICIDE Group1.

C. Analytical Techniques:
The analysis was performed on instrument ECD_L. The front column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11 The rear column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. .The analysis of PESTICIDE Group1s was based on method 8081B and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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CASE NARRATIVE

Kleinfelder
Project Name: Harrington School
Project # N/A
Chemtech Project # P4675
Test Name: PCB Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 11/01/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for PCB Group1.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCB Group1s was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

E. Additional Comments:
The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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CASE NARRATIVE

Kleinfelder
Project Name: Harrington School
Project # N/A
Chemtech Project # P4675
Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 11/01/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for Metals ICP-Group1,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-Group1 was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (OK-01-11012024MS) analysis met criteria for all samples except for Antimony, Barium, Boron, Zinc due to matrix interference.
The Matrix Spike Duplicate (OK-01-11012024MSD) analysis met criteria for all samples except for Antimony, Barium, Boron, Zinc due to matrix interference..
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution(OK-01-11012024L) met criteria for all samples except for Iron and Manganese due to unknown interference.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

Kleinfelder
Project Name: Harrington School
Project # N/A
Chemtech Project # P4675
Test Name: Hexavalent Chromium,Ammonia,Trivalent Chromium,Anions Group1

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 11/01/2024.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Hexavalent Chromium, Mercury, Metals Group1, Metals ICP-Group1, PCB Group1, PESTICIDE Group1, SVOCMS Group1, Trivalent Chromium and VOCMS Group1. This data package contains results for Hexavalent Chromium,Ammonia,Trivalent Chromium,Anions Group1.

C. Analytical Techniques:
The analysis of Trivalent Chromium was based on method 6010D, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Anions Group1 was based on method 9056A and The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate (COMP-1DUP) analysis met criteria for all samples except for Ammonia as N but sample and Duplicate results are below reporting limits.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4675

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/14/2024

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			VOCMS Group1	8260D			11/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1	SDG No.:	P4675
Lab Sample ID:	P4675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	77.9
Sample Wt/Vol:	4.12 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020141.D	1		11/04/24 14:36	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	7.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	7.80	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.80	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.80	ug/Kg
108-88-3	Toluene	1.00	U	1.00	7.80	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.80	ug/Kg
1330-20-7	Total Xylenes	3.20	U	3.20	23.4	ug/Kg
98-82-8	Isopropylbenzene	1.00	U	1.00	7.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.8		50 - 163	118%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	49.4		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	7.713			
540-36-3	1,4-Difluorobenzene	355000	8.616			
3114-55-4	Chlorobenzene-d5	330000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-2	SDG No.:	P4675
Lab Sample ID:	P4675-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.7
Sample Wt/Vol:	4.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020142.D	1		11/04/24 15:00	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	6.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.80	ug/Kg
71-43-2	Benzene	0.98	U	0.98	6.80	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.80	ug/Kg
108-88-3	Toluene	0.91	U	0.91	6.80	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	6.80	ug/Kg
1330-20-7	Total Xylenes	2.75	U	2.75	20.4	ug/Kg
98-82-8	Isopropylbenzene	0.91	U	0.91	6.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	168000	7.713			
540-36-3	1,4-Difluorobenzene	353000	8.616			
3114-55-4	Chlorobenzene-d5	334000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-3	SDG No.:	P4675
Lab Sample ID:	P4675-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.8
Sample Wt/Vol:	4.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020143.D	1		11/04/24 15:23	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	6.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.70	ug/Kg
71-43-2	Benzene	0.97	U	0.97	6.70	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.70	ug/Kg
108-88-3	Toluene	0.90	U	0.90	6.70	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.70	ug/Kg
1330-20-7	Total Xylenes	2.74	U	2.74	20.2	ug/Kg
98-82-8	Isopropylbenzene	0.90	U	0.90	6.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		50 - 163	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	50.0		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		29 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.713			
540-36-3	1,4-Difluorobenzene	337000	8.615			
3114-55-4	Chlorobenzene-d5	316000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4	SDG No.:	P4675
Lab Sample ID:	P4675-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.9
Sample Wt/Vol:	6.6 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020146.D	1		11/04/24 16:33	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	4.60	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.60	ug/Kg
79-01-6	Trichloroethene	0.69	U	0.69	4.60	ug/Kg
108-88-3	Toluene	0.61	U	0.61	4.60	ug/Kg
100-41-4	Ethyl Benzene	0.57	U	0.57	4.60	ug/Kg
1330-20-7	Total Xylenes	1.84	U	1.84	13.7	ug/Kg
98-82-8	Isopropylbenzene	0.61	U	0.61	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.3		50 - 163	129%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	7.713			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	324000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.346			

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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-5	SDG No.:	P4675
Lab Sample ID:	P4675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.1
Sample Wt/Vol:	6.27 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020145.D	1		11/04/24 16:10	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.59	U	0.59	4.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.90	ug/Kg
71-43-2	Benzene	0.70	U	0.70	4.90	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.90	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.90	ug/Kg
100-41-4	Ethyl Benzene	0.60	U	0.60	4.90	ug/Kg
1330-20-7	Total Xylenes	1.98	U	1.98	14.6	ug/Kg
98-82-8	Isopropylbenzene	0.65	U	0.65	4.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.8		50 - 163	122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	48.7		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		29 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92200	7.707			
540-36-3	1,4-Difluorobenzene	187000	8.616			
3114-55-4	Chlorobenzene-d5	168000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	56600	13.346			

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-6	SDG No.:	P4675
Lab Sample ID:	P4675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.3
Sample Wt/Vol:	6.15 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020144.D	1		11/04/24 15:46	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	2.10	U	2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		50 - 163	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		54 - 147	105%	SPK: 50
2037-26-5	Toluene-d8	49.9		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		29 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	7.713			
540-36-3	1,4-Difluorobenzene	342000	8.615			
3114-55-4	Chlorobenzene-d5	319000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.346			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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QC SUMMARY

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Surrogate Summary

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4675-01	COMP-1	1,2-Dichloroethane-d4	50	58.8	118	50	163
		Dibromofluoromethane	50	53.5	107	54	147
		Toluene-d8	50	49.4	99	58	134
		4-Bromofluorobenzene	50	46.0	92	29	146
P4675-02	COMP-2	1,2-Dichloroethane-d4	50	59.8	120	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	47.7	95	29	146
P4675-03	COMP-3	1,2-Dichloroethane-d4	50	56.8	113	50	163
		Dibromofluoromethane	50	52.3	105	54	147
		Toluene-d8	50	50.0	100	58	134
		4-Bromofluorobenzene	50	46.8	94	29	146
P4675-04	COMP-4	1,2-Dichloroethane-d4	50	64.3	129	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	48.5	97	29	146
P4675-05	COMP-5	1,2-Dichloroethane-d4	50	60.8	122	50	163
		Dibromofluoromethane	50	53.9	108	54	147
		Toluene-d8	50	48.7	97	58	134
		4-Bromofluorobenzene	50	43.0	86	29	146
P4675-06	COMP-6	1,2-Dichloroethane-d4	50	57.0	114	50	163
		Dibromofluoromethane	50	52.8	105	54	147
		Toluene-d8	50	49.9	100	58	134
		4-Bromofluorobenzene	50	46.3	93	29	146
VY1104SBL01	VY1104SBL01	1,2-Dichloroethane-d4	50	50.9	102	50	163
		Dibromofluoromethane	50	49.7	99	54	147
		Toluene-d8	50	48.6	97	58	134
		4-Bromofluorobenzene	50	40.5	81	29	146
VY1104SBS01	VY1104SBS01	1,2-Dichloroethane-d4	50	54.6	109	50	163
		Dibromofluoromethane	50	54.8	110	54	147
		Toluene-d8	50	54.6	109	58	134
		4-Bromofluorobenzene	50	54.1	108	29	146
VY1104SBSD01	VY1104SBSD01	1,2-Dichloroethane-d4	50	57.4	115	50	163
		Dibromofluoromethane	50	56.8	114	54	147
		Toluene-d8	50	56.6	113	58	134
		4-Bromofluorobenzene	50	54.9	110	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1104SBS01	cis-1,2-Dichloroethene	20	21.1	ug/Kg	106			82	123	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Benzene	20	20.7	ug/Kg	104			84	121	
	Trichloroethene	20	20.8	ug/Kg	104			83	122	
	Toluene	20	20.9	ug/Kg	104			83	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.3	ug/Kg	103			83	124	
	o-Xylene	20	20.8	ug/Kg	104			83	123	
	Isopropylbenzene	20	21.3	ug/Kg	106			82	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020136.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1104SBSD01	cis-1,2-Dichloroethene	20	23.8	ug/Kg	119	12		82	123	20
	1,1,1-Trichloroethane	20	24.0	ug/Kg	120	12		80	126	20
	Benzene	20	23.4	ug/Kg	117	12		84	121	20
	Trichloroethene	20	23.4	ug/Kg	117	12		83	122	20
	Toluene	20	23.1	ug/Kg	116	11		83	122	20
	Ethyl Benzene	20	23.4	ug/Kg	117	12		82	124	20
	m/p-Xylenes	40	46.9	ug/Kg	117	13		83	124	20
	o-Xylene	20	23.1	ug/Kg	116	11		83	123	20
	Isopropylbenzene	20	24.0	ug/Kg	120	12		82	124	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1104SBL01

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020134.D Lab Sample ID: VY1104SBL01

Date Analyzed: 11/04/2024 Time Analyzed: 11:01

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1104SBS01	VY1104SBS01	VY020135.D	11/04/2024
VY1104SBSD01	VY1104SBSD01	VY020136.D	11/04/2024
COMP-1	P4675-01	VY020141.D	11/04/2024
COMP-2	P4675-02	VY020142.D	11/04/2024
COMP-3	P4675-03	VY020143.D	11/04/2024
COMP-6	P4675-06	VY020144.D	11/04/2024
COMP-5	P4675-05	VY020145.D	11/04/2024
COMP-4	P4675-04	VY020146.D	11/04/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020074.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_Y BFB Injection Time: 12:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.8 (7.8) 1
176	95.0 - 101.0% of mass 174	70.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY020075.D	10/30/2024	12:39
VSTDICC010	VSTDICC010	VY020076.D	10/30/2024	13:02
VSTDICC020	VSTDICC020	VY020077.D	10/30/2024	13:24
VSTDICCC050	VSTDICCC050	VY020078.D	10/30/2024	14:06
VSTDICC100	VSTDICC100	VY020079.D	10/30/2024	14:29
VSTDICC150	VSTDICC150	VY020080.D	10/30/2024	14:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020132.D BFB Injection Date: 11/04/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:51

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.7
75	30.0 - 60.0% of mass 95	59.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	5.9 (7.9) 1
176	95.0 - 101.0% of mass 174	72.4 (97.3) 1
177	5.0 - 9.0% of mass 176	4.7 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020133.D	11/04/2024	09:42
VY1104SBL01	VY1104SBL01	VY020134.D	11/04/2024	11:01
VY1104SBS01	VY1104SBS01	VY020135.D	11/04/2024	11:38
VY1104SBSD01	VY1104SBSD01	VY020136.D	11/04/2024	12:13
COMP-1	P4675-01	VY020141.D	11/04/2024	14:36
COMP-2	P4675-02	VY020142.D	11/04/2024	15:00
COMP-3	P4675-03	VY020143.D	11/04/2024	15:23
COMP-6	P4675-06	VY020144.D	11/04/2024	15:46
COMP-5	P4675-05	VY020145.D	11/04/2024	16:10
COMP-4	P4675-04	VY020146.D	11/04/2024	16:33

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020133.D Date Analyzed: 11/04/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	239824	7.72	426500	8.62	366904	11.42
UPPER LIMIT	479648	8.219	853000	9.122	733808	11.92
LOWER LIMIT	119912	7.219	213250	8.122	183452	10.92
EPA SAMPLE NO.						
COMP-1	171889	7.71	354571	8.62	329986	11.41
COMP-2	168297	7.71	352625	8.62	333602	11.41
COMP-3	160931	7.71	337460	8.62	316034	11.41
COMP-4	157420	7.71	338266	8.62	324300	11.41
COMP-5	92185 *	7.71	187487 *	8.62	168357 *	11.41
COMP-6	163201	7.71	341777	8.62	319250	11.41
VY1104SBL01	190734	7.71	396382	8.62	340703	11.42
VY1104SBS01	236479	7.71	424679	8.62	362446	11.42
VY1104SBSD01	224747	7.71	407852	8.62	348566	11.42

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: VY020133.D Date Analyzed: 11/04/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:42

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	164869	13.352				
UPPER LIMIT	329738	13.852				
LOWER LIMIT	82434.5	12.852				
EPA SAMPLE NO.						
COMP-1	119248	13.35				
COMP-2	121411	13.35				
COMP-3	115374	13.35				
COMP-4	120297	13.35				
COMP-5	56627 *	13.35				
COMP-6	113506	13.35				
VY1104SBL01	108210	13.35				
VY1104SBS01	165041	13.35				
VY1104SBSD01	155977	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	VY1104SBL01	SDG No.:	P4675
Lab Sample ID:	VY1104SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020134.D	1		11/04/24 11:01	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	2.10	U	2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		50 - 163	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	48.6		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.4		29 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	7.713			
540-36-3	1,4-Difluorobenzene	396000	8.622			
3114-55-4	Chlorobenzene-d5	341000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.353			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	VY1104SBS01	SDG No.:	P4675
Lab Sample ID:	VY1104SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020135.D	1		11/04/24 11:38	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	21.1		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.78	5.00	ug/Kg
71-43-2	Benzene	20.7		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.75	5.00	ug/Kg
108-88-3	Toluene	20.9		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	62.1		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		50 - 163	109%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		54 - 147	110%	SPK: 50
2037-26-5	Toluene-d8	54.6		58 - 134	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		29 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	236000	7.713			
540-36-3	1,4-Difluorobenzene	425000	8.622			
3114-55-4	Chlorobenzene-d5	362000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.347			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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B = Analyte Found in Associated Method Blank
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	VY1104SBSD01	SDG No.:	P4675
Lab Sample ID:	VY1104SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020136.D	1		11/04/24 12:13	VY110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	23.8		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	24.0		0.78	5.00	ug/Kg
71-43-2	Benzene	23.4		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	23.4		0.75	5.00	ug/Kg
108-88-3	Toluene	23.1		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	23.4		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	70.0		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	24.0		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	56.6		58 - 134	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		29 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.713			
540-36-3	1,4-Difluorobenzene	408000	8.622			
3114-55-4	Chlorobenzene-d5	349000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: MSVOA_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY020075.D RRF010 = VY020076.D RRF020 = VY020077.D
RRF050 = VY020078.D RRF100 = VY020079.D RRF150 = VY020080.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	7.1
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: MSVOA_Y Calibration Date/Time: 11/04/2024 09:42

Lab File ID: VY020133.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:39 14:52

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.700	0.796		13.71	20
1,1,1-Trichloroethane	1.013	1.146		13.13	20
Benzene	1.433	1.616		12.77	20
Trichloroethene	0.332	0.373		12.35	20
Toluene	0.884	1.023		15.72	20
Ethyl Benzene	1.992	2.300		15.46	20
m/p-Xylenes	0.729	0.853		17.01	20
o-Xylene	0.690	0.798		15.65	20
Isopropylbenzene	3.994	4.804		20.28	20
1,2-Dichloroethane-d4	0.624	0.639		2.4	20
Dibromofluoromethane	0.318	0.337		5.97	20
Toluene-d8	1.265	1.328		4.98	20
4-Bromofluorobenzene	0.411	0.423		2.92	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			SVOCMS Group1	8270E		11/04/24	11/05/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-2								
P4675-02	COMP-2	SOIL	Phenanthrene	140.000	JQ	97.9	200	ug/Kg
P4675-02	COMP-2	SOIL	Pyrene	180.000	J	96.7	200	ug/Kg
P4675-02	COMP-2	SOIL	Benzo(a)anthracene	110.000	JQ	94	200	ug/Kg
P4675-02	COMP-2	SOIL	Chrysene	100.000	JQ	92.6	200	ug/Kg
			Total Svoc :	**530.00**				
			Total Concentration:	**530.00**				

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-1			SDG No.:	P4675
Lab Sample ID:	P4675-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	77.9
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101463.D	1	11/04/24 08:45	11/04/24 19:50	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	110	U	110	220	ug/Kg
86-73-7	Fluorene	110	U	110	220	ug/Kg
85-01-8	Phenanthrene	110	UQ	110	220	ug/Kg
120-12-7	Anthracene	110	UQ	110	220	ug/Kg
129-00-0	Pyrene	110	U	110	220	ug/Kg
56-55-3	Benzo(a)anthracene	100	UQ	100	220	ug/Kg
218-01-9	Chrysene	100	UQ	100	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	UQ	120	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	UQ	100	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	220	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	62.8		20 - 109	63%	SPK: 100
1718-51-0	Terphenyl-d14	67.0		10 - 105	67%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	57400	7.57			
1146-65-2	Naphthalene-d8	246000	10.338			
15067-26-2	Acenaphthene-d10	168000	14.18			
1517-22-2	Phenanthrene-d10	408000	16.912			
1719-03-5	Chrysene-d12	504000	21.072			
1520-96-3	Perylene-d12	686000	23.364			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-1			SDG No.:	P4675
Lab Sample ID:	P4675-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	77.9
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101463.D	1	11/04/24 08:45	11/04/24 19:50	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-2			SDG No.:	P4675
Lab Sample ID:	P4675-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	85.7
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101476.D	1	11/04/24 08:45	11/05/24 13:20	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	96.2	U	96.2	200	ug/Kg
86-73-7	Fluorene	99.6	U	99.6	200	ug/Kg
85-01-8	Phenanthrene	140	JQ	97.9	200	ug/Kg
120-12-7	Anthracene	98.3	UQ	98.3	200	ug/Kg
129-00-0	Pyrene	180	J	96.7	200	ug/Kg
56-55-3	Benzo(a)anthracene	110	JQ	94.0	200	ug/Kg
218-01-9	Chrysene	100	JQ	92.6	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.5	U	94.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	91.0	UQ	91.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93.3	U	93.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	57.5		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.9		20 - 109	62%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	54200	7.57			
1146-65-2	Naphthalene-d8	232000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.18			
1517-22-2	Phenanthrene-d10	378000	16.918			
1719-03-5	Chrysene-d12	469000	21.077			
1520-96-3	Perylene-d12	598000	23.363			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-2			SDG No.:	P4675
Lab Sample ID:	P4675-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	85.7
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101476.D	1	11/04/24 08:45	11/05/24 13:20	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-3			SDG No.:	P4675
Lab Sample ID:	P4675-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101462.D	1	11/04/24 08:45	11/04/24 19:14	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	92.8	U	92.8	190	ug/Kg
86-73-7	Fluorene	96.0	U	96.0	190	ug/Kg
85-01-8	Phenanthrene	94.3	UQ	94.3	190	ug/Kg
120-12-7	Anthracene	94.8	UQ	94.8	190	ug/Kg
129-00-0	Pyrene	93.2	U	93.2	190	ug/Kg
56-55-3	Benzo(a)anthracene	90.6	UQ	90.6	190	ug/Kg
218-01-9	Chrysene	89.3	UQ	89.3	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.1	U	91.1	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	UQ	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.7	UQ	87.7	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.0	U	90.0	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	63.3		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.9		20 - 109	67%	SPK: 100
1718-51-0	Terphenyl-d14	66.4		10 - 105	66%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61200	7.57			
1146-65-2	Naphthalene-d8	261000	10.338			
15067-26-2	Acenaphthene-d10	173000	14.18			
1517-22-2	Phenanthrene-d10	407000	16.912			
1719-03-5	Chrysene-d12	534000	21.072			
1520-96-3	Perylene-d12	731000	23.364			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-3			SDG No.:	P4675
Lab Sample ID:	P4675-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	88.8
Sample Wt/Vol:	30.08	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101462.D	1	11/04/24 08:45	11/04/24 19:14	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4			SDG No.:	P4675
Lab Sample ID:	P4675-04			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101459.D	1	11/04/24 08:45	11/04/24 17:27	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	99.6	U	99.6	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	200	ug/Kg
120-12-7	Anthracene	100	UQ	100	200	ug/Kg
129-00-0	Pyrene	100	U	100	200	ug/Kg
56-55-3	Benzo(a)anthracene	97.3	UQ	97.3	200	ug/Kg
218-01-9	Chrysene	95.8	UQ	95.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.8	U	97.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.1	UQ	94.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.6	U	96.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.6		18 - 107	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.4		20 - 109	88%	SPK: 100
1718-51-0	Terphenyl-d14	83.8		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	61800	7.569			
1146-65-2	Naphthalene-d8	248000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.179			
1517-22-2	Phenanthrene-d10	363000	16.917			
1719-03-5	Chrysene-d12	489000	21.077			
1520-96-3	Perylene-d12	682000	23.363			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4			SDG No.:	P4675
Lab Sample ID:	P4675-04			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101459.D	1	11/04/24 08:45	11/04/24 17:27	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-5			SDG No.:	P4675
Lab Sample ID:	P4675-05			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101477.D	1	11/04/24 08:45	11/05/24 13:56	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	98.2	UQ	98.2	210	ug/Kg
218-01-9	Chrysene	96.7	UQ	96.7	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	98.7	U	98.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.0	UQ	95.0	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	97.4	U	97.4	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	62.6		18 - 107	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		20 - 109	69%	SPK: 100
1718-51-0	Terphenyl-d14	74.7		10 - 105	75%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	56400	7.57			
1146-65-2	Naphthalene-d8	247000	10.337			
15067-26-2	Acenaphthene-d10	169000	14.174			
1517-22-2	Phenanthrene-d10	390000	16.912			
1719-03-5	Chrysene-d12	464000	21.072			
1520-96-3	Perylene-d12	594000	23.363			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-5			SDG No.:	P4675
Lab Sample ID:	P4675-05			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.1
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101477.D	1	11/04/24 08:45	11/05/24 13:56	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-6			SDG No.:	P4675
Lab Sample ID:	P4675-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101478.D	1	11/04/24 08:45	11/05/24 14:32	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	99.1	UQ	99.1	210	ug/Kg
218-01-9	Chrysene	97.6	UQ	97.6	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.6	U	99.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.9	UQ	95.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.3	U	98.3	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	68.0		18 - 107	68%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.0		20 - 109	73%	SPK: 100
1718-51-0	Terphenyl-d14	76.1		10 - 105	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	60100	7.565			
1146-65-2	Naphthalene-d8	260000	10.338			
15067-26-2	Acenaphthene-d10	173000	14.175			
1517-22-2	Phenanthrene-d10	410000	16.913			
1719-03-5	Chrysene-d12	472000	21.072			
1520-96-3	Perylene-d12	609000	23.364			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-6			SDG No.:	P4675
Lab Sample ID:	P4675-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	81.3
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101478.D	1	11/04/24 08:45	11/05/24 14:32	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4675-01	COMP-1	Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	62.8	63		20	109
		Terphenyl-d14	100	67.0	67		10	105
P4675-02	COMP-2	Nitrobenzene-d5	100	57.5	57		18	107
		2-Fluorobiphenyl	100	61.9	62		20	109
		Terphenyl-d14	100	66.4	66		10	105
P4675-03	COMP-3	Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	66.9	67		20	109
		Terphenyl-d14	100	66.4	66		10	105
P4675-04	COMP-4	Nitrobenzene-d5	100	80.6	81		18	107
		2-Fluorobiphenyl	100	88.4	88		20	109
		Terphenyl-d14	100	83.8	84		10	105
P4675-04MS	COMP-4MS	Nitrobenzene-d5	100	72.5	73		18	107
		2-Fluorobiphenyl	100	79.3	79		20	109
		Terphenyl-d14	100	68.4	68		10	105
P4675-04MSD	COMP-4MSD	Nitrobenzene-d5	100	73.2	73		18	107
		2-Fluorobiphenyl	100	79.8	80		20	109
		Terphenyl-d14	100	72.0	72		10	105
P4675-05	COMP-5	Nitrobenzene-d5	100	62.6	63		18	107
		2-Fluorobiphenyl	100	69.2	69		20	109
		Terphenyl-d14	100	74.7	75		10	105
P4675-06	COMP-6	Nitrobenzene-d5	100	68.0	68		18	107
		2-Fluorobiphenyl	100	73.0	73		20	109
		Terphenyl-d14	100	76.1	76		10	105
PB164639BL	PB164639BL	Nitrobenzene-d5	100	91.2	91		18	107
		2-Fluorobiphenyl	100	97.7	98		20	109
		Terphenyl-d14	100	92.8	93		10	105
PB164639BS	PB164639BS	Nitrobenzene-d5	100	101	101		18	107
		2-Fluorobiphenyl	100	108	108		20	109
		Terphenyl-d14	100	107	107	*	10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4675-04MS		**Client Sample ID: COMP-4MS**						**DataFile: BE101460.D**			
Naphthalene	2000	0	2000	ug/Kg	100				72	110	
Fluorene	2000	0	2100	ug/Kg	105				68	116	
Phenanthrene	2000	0	2200	ug/Kg	110				52	128	
Anthracene	2000	0	2300	ug/Kg	115				62	124	
Pyrene	2000	0	1800	ug/Kg	90				26	142	
Benzo(a)anthracene	2000	0	2200	ug/Kg	110				71	114	
Chrysene	2000	0	2200	ug/Kg	110				57	121	
Benzo(b)fluoranthene	2000	0	2000	ug/Kg	100				67	121	
Benzo(a)pyrene	2000	0	2300	ug/Kg	115				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110				40	129	
Benzo(g,h,i)perylene	2000	0	2000	ug/Kg	100				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P4675-04MSD		**Client Sample ID: COMP-4MSD**						**DataFile: BE101461.D**			
Naphthalene	2000	0	2000	ug/Kg	100	0			72	110	20
Fluorene	2000	0	2000	ug/Kg	100	5			68	116	20
Phenanthrene	2000	0	2200	ug/Kg	110	0			52	128	20
Anthracene	2000	0	2300	ug/Kg	115	0			62	124	20
Pyrene	2000	0	1900	ug/Kg	95	5			26	142	20
Benzo(a)anthracene	2000	0	2200	ug/Kg	110	0			71	114	20
Chrysene	2000	0	2200	ug/Kg	110	0			57	121	20
Benzo(b)fluoranthene	2000	0	2000	ug/Kg	100	0			67	121	20
Benzo(a)pyrene	2000	0	2300	ug/Kg	115	0			70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	2200	ug/Kg	110	0			40	129	20
Benzo(g,h,i)perylene	2000	0	2000	ug/Kg	100	0			24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8270E **DataFile:** BE101474.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164639BS	Naphthalene	1700	1600	ug/Kg	94				62	100	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	Phenanthrene	1700	1800	ug/Kg	106		*		59	103	
	Anthracene	1700	1900	ug/Kg	112		*		61	105	
	Pyrene	1700	1700	ug/Kg	100				59	103	
	Benzo(a)anthracene	1700	1900	ug/Kg	112		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164639BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101473.D Lab Sample ID: PB164639BL

Instrument ID: BNA_E Date Extracted: 11/04/2024

Matrix: (soil/water) SOIL Date Analyzed: 11/05/2024

Level: (low/med) LOW Time Analyzed: 11:33

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164639BS	PB164639BS	BE101474.D	11/05/2024
COMP-5	P4675-05	BE101477.D	11/05/2024
COMP-6	P4675-06	BE101478.D	11/05/2024
COMP-1	P4675-01	BE101463.D	11/04/2024
COMP-3	P4675-03	BE101462.D	11/04/2024
COMP-4	P4675-04	BE101459.D	11/04/2024
COMP-4MS	P4675-04MS	BE101460.D	11/04/2024
COMP-4MSD	P4675-04MSD	BE101461.D	11/04/2024
COMP-2	P4675-02	BE101476.D	11/05/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101388.D DFTPP Injection Date: 10/28/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	17.8
68	Less than 2.0% of mass 69	0.3 (1.5) 1
69	Mass 69 relative abundance	18.3
70	Less than 2.0% of mass 69	0.0 (0.1) 1
127	10.0 - 80.0% of mass 198	27.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4
275	10.0 - 60.0% of mass 198	20
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	20.1 (20.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BE101389.D	10/28/2024	11:44
SSTDICC005	SSTDICC005	BE101390.D	10/28/2024	12:23
SSTDICC010	SSTDICC010	BE101391.D	10/28/2024	12:59
SSTDICC020	SSTDICC020	BE101392.D	10/28/2024	13:35
SSTDICCC040	SSTDICCC040	BE101393.D	10/28/2024	14:11
SSTDICC050	SSTDICC050	BE101394.D	10/28/2024	14:49
SSTDICC060	SSTDICC060	BE101395.D	10/28/2024	15:25
SSTDICC080	SSTDICC080	BE101396.D	10/28/2024	16:01

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101452.D DFTPP Injection Date: 11/04/2024

Instrument ID: BNA_E DFTPP Injection Time: 12:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14.6
68	Less than 2.0% of mass 69	0.2 (1.6) 1
69	Mass 69 relative abundance	15.5
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.6
275	10.0 - 60.0% of mass 198	17.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	16.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101453.D	11/04/2024	12:49
COMP-4	P4675-04	BE101459.D	11/04/2024	17:27
COMP-4MS	P4675-04MS	BE101460.D	11/04/2024	18:02
COMP-4MSD	P4675-04MSD	BE101461.D	11/04/2024	18:38
COMP-3	P4675-03	BE101462.D	11/04/2024	19:14
COMP-1	P4675-01	BE101463.D	11/04/2024	19:50

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P4675 SDG NO.: P4675

Lab File ID: BE101471.D DFTPP Injection Date: 11/05/2024

Instrument ID: BNA_E DFTPP Injection Time: 10:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	14
68	Less than 2.0% of mass 69	0.2 (1.5) 1
69	Mass 69 relative abundance	15.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	22
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	3.4
275	10.0 - 60.0% of mass 198	17.6
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	16.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BE101472.D	11/05/2024	10:48
PB164639BL	PB164639BL	BE101473.D	11/05/2024	11:33
PB164639BS	PB164639BS	BE101474.D	11/05/2024	12:09
COMP-2	P4675-02	BE101476.D	11/05/2024	13:20
COMP-5	P4675-05	BE101477.D	11/05/2024	13:56
COMP-6	P4675-06	BE101478.D	11/05/2024	14:32

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/04/2024

Lab File ID: BE101453.D Time Analyzed: 12:49

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	101222	7.57	465351	10.34	319103	14.19
	UPPER LIMIT	202444	8.07	930702	10.843	638206	14.686
	LOWER LIMIT	50611	7.07	232676	9.843	159552	13.686
	EPA SAMPLE NO.						
01	COMP-4	61796	7.57	248097	10.34	157598 *	14.18
02	COMP-1	57409	7.57	246070	10.34	168001	14.18
03	COMP-3	61218	7.57	261412	10.34	173354	14.18
04	COMP-4MS	55119	7.57	225817 *	10.34	137542 *	14.18
05	COMP-4MSD	62622	7.57	255715	10.34	157541 *	14.18

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/04/2024

Lab File ID: BE101453.D Time Analyzed: 12:49

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	704364	16.924	756056	21.084	973527	23.375
	UPPER LIMIT	1408730	17.424	1512110	21.584	1947050	23.875
	LOWER LIMIT	352182	16.424	378028	20.584	486764	22.875
	EPA SAMPLE NO.						
01	COMP-4	362960	16.92	488975	21.08	682027	23.36
02	COMP-1	408296	16.91	504276	21.07	686079	23.36
03	COMP-3	407280	16.91	534040	21.07	731364	23.36
04	COMP-4MS	319377 *	16.92	506438	21.08	716658	23.37
05	COMP-4MSD	337929 *	16.92	477689	21.08	708395	23.37

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	77150	7.57	373279	10.34	260925	14.18
	UPPER LIMIT	154300	8.07	746558	10.838	521850	14.68
	LOWER LIMIT	38575	7.07	186640	9.838	130463	13.68
	EPA SAMPLE NO.						
01	PB164639BL	69685	7.57	281108	10.34	180533	14.18
02	PB164639BS	58093	7.57	260393	10.34	175308	14.18
03	COMP-2	54196	7.57	232476	10.34	158291	14.18
04	COMP-5	56416	7.57	246833	10.34	168866	14.17
05	COMP-6	60105	7.57	260070	10.34	173496	14.18

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/05/2024

Lab File ID: BE101472.D Time Analyzed: 10:48

Instrument ID: BNA_E GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	585617	16.918	614200	21.084	775519	23.369
	UPPER LIMIT	1171230	17.418	1228400	21.584	1551040	23.869
	LOWER LIMIT	292809	16.418	307100	20.584	387760	22.869
	EPA SAMPLE NO.						
01	PB164639BL	412460	16.92	536197	21.08	732979	23.37
02	PB164639BS	370232	16.92	432772	21.08	625016	23.37
03	COMP-2	377849	16.92	468893	21.08	597551	23.36
04	COMP-5	390418	16.91	464212	21.07	593646	23.36
05	COMP-6	409836	16.91	472315	21.07	608790	23.36

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BL			SDG No.:	P4675
Lab Sample ID:	PB164639BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101473.D	1	11/04/24 08:45	11/05/24 11:33	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.2		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.7		20 - 109	98%	SPK: 100
1718-51-0	Terphenyl-d14	92.8		10 - 105	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69700	7.57			
1146-65-2	Naphthalene-d8	281000	10.337			
15067-26-2	Acenaphthene-d10	181000	14.179			
1517-22-2	Phenanthrene-d10	412000	16.917			
1719-03-5	Chrysene-d12	536000	21.077			
1520-96-3	Perylene-d12	733000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BL			SDG No.:	P4675
Lab Sample ID:	PB164639BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101473.D	1	11/04/24 08:45	11/05/24 11:33	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BS			SDG No.:	P4675
Lab Sample ID:	PB164639BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101474.D	1	11/04/24 08:45	11/05/24 12:09	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
85-01-8	Phenanthrene	1800		83.9	170	ug/Kg
120-12-7	Anthracene	1900		84.3	170	ug/Kg
129-00-0	Pyrene	1700		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1900		80.6	170	ug/Kg
218-01-9	Chrysene	1800		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	101		18 - 107	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	108		20 - 109	108%	SPK: 100
1718-51-0	Terphenyl-d14	107	*	10 - 105	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	58100	7.57			
1146-65-2	Naphthalene-d8	260000	10.338			
15067-26-2	Acenaphthene-d10	175000	14.18			
1517-22-2	Phenanthrene-d10	370000	16.918			
1719-03-5	Chrysene-d12	433000	21.078			
1520-96-3	Perylene-d12	625000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Harrington School			Date Received:	
Client Sample ID:	PB164639BS			SDG No.:	P4675
Lab Sample ID:	PB164639BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101474.D	1	11/04/24 08:45	11/05/24 12:09	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MS			SDG No.:	P4675
Lab Sample ID:	P4675-04MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101460.D	1	11/04/24 08:45	11/04/24 18:02	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		99.3	200	ug/Kg
86-73-7	Fluorene	2100		100	200	ug/Kg
85-01-8	Phenanthrene	2200		100	200	ug/Kg
120-12-7	Anthracene	2300		100	200	ug/Kg
129-00-0	Pyrene	1800		99.8	200	ug/Kg
56-55-3	Benzo(a)anthracene	2200		97.1	200	ug/Kg
218-01-9	Chrysene	2200		95.6	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		97.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		93.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		96.3	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.5		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.3		20 - 109	79%	SPK: 100
1718-51-0	Terphenyl-d14	68.4		10 - 105	68%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	55100	7.57			
1146-65-2	Naphthalene-d8	226000	10.337			
15067-26-2	Acenaphthene-d10	138000	14.18			
1517-22-2	Phenanthrene-d10	319000	16.918			
1719-03-5	Chrysene-d12	506000	21.078			
1520-96-3	Perylene-d12	717000	23.369			

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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4MS	SDG No.:	P4675
Lab Sample ID:	P4675-04MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.9
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101460.D	1	11/04/24 08:45	11/04/24 18:02	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4MSD	SDG No.:	P4675
Lab Sample ID:	P4675-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101461.D	1	11/04/24 08:45	11/04/24 18:38	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		99.4	200	ug/Kg
86-73-7	Fluorene	2000		100	200	ug/Kg
85-01-8	Phenanthrene	2200		100	200	ug/Kg
120-12-7	Anthracene	2300		100	200	ug/Kg
129-00-0	Pyrene	1900		99.9	200	ug/Kg
56-55-3	Benzo(a)anthracene	2200		97.1	200	ug/Kg
218-01-9	Chrysene	2200		95.7	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		97.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		94.0	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		96.4	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.2		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		20 - 109	80%	SPK: 100
1718-51-0	Terphenyl-d14	72.0		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	62600	7.569			
1146-65-2	Naphthalene-d8	256000	10.337			
15067-26-2	Acenaphthene-d10	158000	14.179			
1517-22-2	Phenanthrene-d10	338000	16.917			
1719-03-5	Chrysene-d12	478000	21.077			
1520-96-3	Perylene-d12	708000	23.369			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	10/31/24
Project:	Harrington School			Date Received:	11/01/24
Client Sample ID:	COMP-4MSD			SDG No.:	P4675
Lab Sample ID:	P4675-04MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.9
Sample Wt/Vol:	30.07	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE101461.D	1	11/04/24 08:45	11/04/24 18:38	PB164639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_E

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Oct 29 01:26:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BE101389.D 5 =BE101390.D 10 =BE101391.D 20 =BE101392.D 40 =BE101393.D 50 =BE101394.D 60 =BE101395.D 80 =BE101396.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.471	0.463	0.454	0.421	0.400	0.392	0.379	0.426	8.76
3)		Pyridine		1.064	1.123	1.255	1.196	1.252	1.287	1.252	1.204	6.80
4)		n-Nitrosodimet...		0.459	0.440	0.454	0.479	0.473	0.488	0.468	0.466	3.45
5)	S	2-Fluorophenol		1.134	1.073	1.142	1.153	1.143	1.187	1.155	1.141	3.03
6)		Aniline		1.059	1.262	1.529	1.346	1.301	1.224	0.767	1.213	19.92
7)	S	Phenol-d6		1.450	1.475	1.558	1.629	1.594	1.727	1.643	1.582	6.15
8)		2-Chlorophenol		1.335	1.305	1.371	1.403	1.369	1.426	1.371	1.369	2.94
9)		Benzaldehyde		0.793	0.849	0.861	0.807	0.678	0.595		0.764	13.74
10)	C	Phenol		1.488	1.456	1.766	1.826	1.797	1.914	1.769	1.717	10.16
11)		bis(2-Chloroet...		1.513	1.401	1.245	1.477	1.322	1.408	1.492	1.408	6.93
12)		1,3-Dichlorobe...		1.563	1.523	1.508	1.488	1.424	1.443	1.382	1.476	4.25
13)	C	1,4-Dichlorobe...		1.624	1.534	1.546	1.505	1.447	1.484	1.409	1.507	4.66
14)		1,2-Dichlorobe...		1.553	1.488	1.502	1.490	1.433	1.472	1.388	1.475	3.56
15)		Benzyl Alcohol		0.704	0.797	0.979	1.061	1.013	1.059	0.990	0.943	14.61
16)		2,2'-oxybis(1-...		1.840	1.857	1.816	1.794	1.711	1.746	1.642	1.772	4.33
17)		2-Methylphenol		1.038	1.078	1.142	1.217	1.181	1.263	1.215	1.162	6.96
18)		Hexachloroethane		0.497	0.486	0.492	0.497	0.495	0.496	0.481	0.492	1.28
19)	P	n-Nitroso-di-n...	0.807	0.900	1.060	1.081	1.150	1.115	1.185	1.102	1.050	12.35
20)		3+4-Methylphenols		1.364	1.500	1.580	1.685	1.646	1.778	1.674	1.604	8.53
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.427	0.447	0.467	0.481	0.449	0.462	0.446	0.454	3.79
23)	S	Nitrobenzene-d5		0.292	0.306	0.325	0.336	0.323	0.331	0.316	0.318	4.78
24)		Nitrobenzene		0.315	0.325	0.349	0.355	0.339	0.350	0.339	0.339	4.26
25)		Isophorone		0.533	0.601	0.624	0.665	0.639	0.655	0.632	0.621	7.13
26)	C	2-Nitrophenol		0.127	0.141	0.162	0.179	0.175	0.182	0.181	0.164	13.41
27)		2,4-Dimethylph...		0.196	0.194	0.207	0.215	0.206	0.215	0.211	0.206	4.19
28)		bis(2-Chloroet...		0.351	0.378	0.388	0.392	0.374	0.385	0.370	0.377	3.65
29)	C	2,4-Dichloroph...		0.257	0.268	0.285	0.297	0.287	0.305	0.297	0.285	6.00
30)		1,2,4-Trichlor...		0.325	0.311	0.315	0.314	0.304	0.307	0.299	0.311	2.71
31)		Naphthalene		1.092	1.040	1.039	1.045	0.982	0.999	0.936	1.019	5.00
32)		Benzoic acid			0.091	0.145	0.196	0.203	0.223	0.234	0.182	29.71
33)		4-Chloroaniline		0.321	0.355	0.373	0.398	0.364	0.365	0.305	0.354	8.87
34)	C	Hexachlorobuta...		0.193	0.185	0.187	0.187	0.179	0.180	0.176	0.184	3.26
35)		Caprolactam		0.077	0.093	0.109	0.119	0.118	0.126	0.124	0.109	16.48
36)	C	4-Chloro-3-met...		0.277	0.314	0.321	0.341	0.330	0.347	0.343	0.325	7.51
37)		2-Methylnaphth...		0.753	0.752	0.736	0.756	0.711	0.736	0.696	0.734	3.12
38)		1-Methylnaphth...		0.750	0.756	0.735	0.751	0.709	0.733	0.696	0.733	3.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.493	0.515	0.512	0.491	0.499	0.481	0.502	2.96
41)	P	Hexachlorocycl...	0.153	0.150	0.179	0.177	0.173	0.168	0.162	0.166	6.85
42)	S	2,4,6-Tribromo...	0.329	0.341	0.358	0.366	0.355	0.359	0.346	0.351	3.59
43)	C	2,4,6-Trichlor...	0.310	0.325	0.352	0.369	0.353	0.360	0.353	0.346	6.01
44)		2,4,5-Trichlor...	0.356	0.372	0.401	0.415	0.402	0.418	0.411	0.396	5.93
45)	S	2-Fluorobiphenyl	1.359	1.275	1.283	1.226	1.114	1.072	0.938	1.181	12.39
46)		1,1'-Biphenyl	1.477	1.399	1.431	1.408	1.326	1.326	1.224	1.370	6.15
47)		2-Chloronaphth...	1.159	1.091	1.112	1.098	1.054	1.060	1.002	1.083	4.60
48)		2-Nitroaniline	0.214	0.243	0.295	0.318	0.318	0.329	0.322	0.291	15.45
49)		Acenaphthylene	1.613	1.605	1.656	1.677	1.586	1.597	1.473	1.601	4.07
50)		Dimethylphthalate	1.446	1.469	1.459	1.449	1.378	1.383	1.298	1.412	4.38
51)		2,6-Dinitrotol...	0.284	0.309	0.331	0.345	0.333	0.346	0.334	0.326	6.77
52)	C	Acenaphthene	1.120	1.080	1.073	1.075	1.016	1.017	0.936	1.045	5.79
53)		3-Nitroaniline	0.266	0.296	0.342	0.357	0.347	0.345	0.315	0.324	10.25
54)	P	2,4-Dinitrophenol		0.125	0.177	0.208	0.219	0.230	0.231	0.198	20.84
55)		Dibenzofuran	1.828	1.739	1.721	1.695	1.604	1.608	1.468	1.666	7.02
56)	P	4-Nitrophenol		0.219	0.291	0.311	0.318	0.324	0.318	0.297	13.34
57)		2,4-Dinitrotol...	0.344	0.407	0.454	0.481	0.480	0.495	0.481	0.449	12.18
58)		Fluorene	1.490	1.450	1.446	1.453	1.354	1.342	1.222	1.394	6.71
59)		2,3,4,6-Tetrac...	0.345	0.355	0.368	0.382	0.367	0.378	0.369	0.366	3.48
60)		Diethylphthalate	1.499	1.532	1.560	1.535	1.456	1.427	1.327	1.477	5.47
61)		4-Chlorophenyl...	0.737	0.713	0.705	0.707	0.676	0.673	0.631	0.692	5.05
62)		4-Nitroaniline	0.267	0.316	0.374	0.391	0.393	0.394	0.389	0.361	13.79
63)		Azobenzene	1.280	1.309	1.331	1.319	1.248	1.245	1.154	1.269	4.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.086	0.108	0.123	0.125	0.131	0.133	0.118	15.15
66)	c	n-Nitrosodiphe...	0.542	0.548	0.545	0.553	0.516	0.520	0.489	0.530	4.33
67)		4-Bromophenyl-...	0.211	0.207	0.209	0.215	0.208	0.215	0.209	0.210	1.48
68)		Hexachlorobenzene	0.283	0.272	0.274	0.283	0.271	0.278	0.269	0.276	2.01
69)		Atrazine	0.182	0.179	0.160	0.184	0.109			0.163	19.39
70)	C	Pentachlorophenol	0.116	0.137	0.159	0.173	0.172	0.177	0.177	0.159	14.86
71)		Phenanthrene	1.068	1.023	1.012	0.991	0.912	0.896	0.801	0.958	9.62
72)		Anthracene	1.002	0.972	0.997	0.979	0.909	0.893	0.793	0.935	8.08
73)		Carbazole	1.010	0.987	1.033	0.995	0.939	0.914	0.820	0.957	7.62
74)		Di-n-butylphth...	1.018	1.088	1.221	1.136	1.058	0.985	0.867	1.053	10.73
75)	C	Fluoranthene	1.320	1.268	1.306	1.199	1.102	1.043	0.903	1.163	13.27
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.236	0.285	0.253	0.347	0.228	0.198	0.230	0.254	19.22
78)		Pyrene	1.176	1.206	1.184	1.174	1.052	1.016	0.890	1.100	10.69
79)	S	Terphenyl-d14	1.036	1.023	0.970	0.841	0.686	0.657		0.869	19.31
80)		Butylbenzylpht...	0.443	0.467	0.515	0.510	0.494	0.490	0.455	0.482	5.73
81)		Benzo(a)anthra...	1.277	1.238	1.243	1.174	1.047	1.010	0.879	1.124	13.18
82)		3,3'-Dichlorob...	0.404	0.438	0.470	0.481	0.450	0.444	0.396	0.440	7.11
83)		Chrysene	1.266	1.225	1.201	1.110	1.005	0.962	0.838	1.087	14.51
84)		Bis(2-ethylhex...	0.550	0.608	0.705	0.698	0.672	0.659	0.591	0.641	9.15
85)	c	Di-n-octyl pht...	0.987	1.057	1.209	1.137	1.053	1.032	0.883	1.051	9.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_E\Methods\
Method File : 8270-BE102824.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.390	1.352	1.390	1.394	1.315	1.315	1.214	1.338	4.83
88)		Benzo(b)fluora...	1.076	1.113	1.100	1.110	1.023	1.000	0.873	1.042	8.29
89)		Benzo(k)fluora...	1.126	1.042	1.087	1.015	0.897	0.875	0.774	0.974	13.13
90)	C	Benzo(a)pyrene	0.935	0.933	0.961	0.966	0.899	0.890	0.796	0.912	6.37
91)		Dibenzo(a,h)an...	1.130	1.125	1.169	1.170	1.089	1.083	0.977	1.106	6.00
92)		Benzo(g,h,i)pe...	1.162	1.130	1.155	1.179	1.125	1.152	1.075	1.140	2.98

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date/Time: 11/04/2024 12:49

Lab File ID: BE101453.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.142		0.1	
Phenol-d6	1.582	1.573		-0.6	
Nitrobenzene-d5	0.318	0.321		0.9	
Naphthalene	1.019	0.990		-2.8	
2-Fluorobiphenyl	1.181	1.206		2.1	
Fluorene	1.394	1.357		-2.7	
2,4,6-Tribromophenol	0.351	0.356		1.4	
Phenanthrene	0.958	0.959		0.1	
Anthracene	0.935	0.954		2.0	
Pyrene	1.100	1.154		4.9	
Terphenyl-d14	0.869	0.859		-1.2	
Benzo(a)anthracene	1.124	1.162		3.4	
Chrysene	1.087	1.095		0.7	
Benzo(b)fluoranthene	1.042	1.060		1.7	
Benzo(a)pyrene	0.912	0.933		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.355		1.3	
Benzo(g,h,i)perylene	1.140	1.151		1.0	

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG No.: P4675

Instrument ID: BNA_E Calibration Date/Time: 11/05/2024 10:48

Lab File ID: BE101472.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.115		-2.3	
Phenol-d6	1.582	1.603		1.3	
Nitrobenzene-d5	0.318	0.318		0.0	
Naphthalene	1.019	0.995		-2.4	
2-Fluorobiphenyl	1.181	1.226		3.8	
Fluorene	1.394	1.383		-0.8	
2,4,6-Tribromophenol	0.351	0.367		4.6	
Phenanthrene	0.958	0.954		-0.4	
Anthracene	0.935	0.957		2.4	
Pyrene	1.100	1.178		7.1	
Terphenyl-d14	0.869	0.916		5.4	
Benzo(a)anthracene	1.124	1.184		5.3	
Chrysene	1.087	1.113		2.4	
Benzo(b)fluoranthene	1.042	1.045		0.3	
Benzo(a)pyrene	0.912	0.931		2.1	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.358		1.5	
Benzo(g,h,i)perylene	1.140	1.136		-0.4	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
			PESTICIDE Group1	8081B		11/04/24	11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
			PESTICIDE Group1	8081B		11/04/24	11/04/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
			PESTICIDE Group1	8081B		11/04/24	11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
			PESTICIDE Group1	8081B		11/04/24	11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
			PESTICIDE Group1	8081B		11/04/24	11/04/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
			PESTICIDE Group1	8081B		11/04/24	11/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675 **Order ID:** P4675

Client: Kleinfelder **Project ID:** Harrington School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-2								
P4675-02	COMP-2	SOIL	Dieldrin	0.21	J	0.17	2.00	ug/kg
			Total Concentration:	**0.210**				

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1	SDG No.:	P4675
Lab Sample ID:	P4675-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	77.9 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092827.D	1	11/04/24 08:15	11/04/24 15:25	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.20	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.20	ug/kg
72-54-8	4,4-DDD	0.24	U	0.24	2.20	ug/kg
50-29-3	4,4-DDT	0.22	U	0.22	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		10 - 159	109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-2	SDG No.:	P4675
Lab Sample ID:	P4675-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092830.D	1	11/04/24 08:15	11/04/24 16:07	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.21	J	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	2.00	ug/kg
72-54-8	4,4-DDD	0.22	U	0.22	2.00	ug/kg
50-29-3	4,4-DDT	0.20	U	0.20	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		10 - 148	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		10 - 159	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-3	SDG No.:	P4675
Lab Sample ID:	P4675-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092831.D	1	11/04/24 08:15	11/04/24 16:20	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		10 - 148	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		10 - 159	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4	SDG No.:	P4675
Lab Sample ID:	P4675-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.9 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092832.D	1	11/04/24 08:15	11/04/24 16:34	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-54-8	4,4-DDD	0.23	U	0.23	2.00	ug/kg
50-29-3	4,4-DDT	0.20	U	0.20	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		10 - 148	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		10 - 159	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-5	SDG No.:	P4675
Lab Sample ID:	P4675-05	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092833.D	1	11/04/24 08:15	11/04/24 16:48	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.10	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.10	ug/kg
72-54-8	4,4-DDD	0.23	U	0.23	2.10	ug/kg
50-29-3	4,4-DDT	0.21	U	0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		10 - 148	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		10 - 159	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-6	SDG No.:	P4675
Lab Sample ID:	P4675-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092834.D	1	11/04/24 08:15	11/04/24 17:02	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.10	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.10	ug/kg
72-54-8	4,4-DDD	0.23	U	0.23	2.10	ug/kg
50-29-3	4,4-DDT	0.21	U	0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		10 - 148	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.3		10 - 159	71%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092815.D	PIBLK-PL092815.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	17.3	87		43	140
		Tetrachloro-m-xylene	2	20	18.1	90		77	126
PB164644BL	PB164644BL	Decachlorobiphenyl	1	20	20.4	102		10	148
		Tetrachloro-m-xylene	1	20	18.7	94		10	159
		Decachlorobiphenyl	2	20	19.7	98		10	148
		Tetrachloro-m-xylene	2	20	18.3	91		10	159
PB164644BS	PB164644BS	Decachlorobiphenyl	1	20	20.1	100		10	148
		Tetrachloro-m-xylene	1	20	19.2	96		10	159
		Decachlorobiphenyl	2	20	19.6	98		10	148
		Tetrachloro-m-xylene	2	20	18.4	92		10	159
P4675-01	COMP-1	Decachlorobiphenyl	1	20	19.4	97		10	148
		Tetrachloro-m-xylene	1	20	21.4	107		10	159
		Decachlorobiphenyl	2	20	18.0	90		10	148
		Tetrachloro-m-xylene	2	20	21.9	109		10	159
P4675-01MS	COMP-1MS	Decachlorobiphenyl	1	20	17.6	88		10	148
		Tetrachloro-m-xylene	1	20	22.3	111		10	159
		Decachlorobiphenyl	2	20	16.8	84		10	148
		Tetrachloro-m-xylene	2	20	18.7	93		10	159
P4675-01MSD	COMP-1MSD	Decachlorobiphenyl	1	20	17.8	89		10	148
		Tetrachloro-m-xylene	1	20	22.6	113		10	159
		Decachlorobiphenyl	2	20	16.8	84		10	148
		Tetrachloro-m-xylene	2	20	18.7	94		10	159
P4675-02	COMP-2	Decachlorobiphenyl	1	20	18.5	92		10	148
		Tetrachloro-m-xylene	1	20	20.1	101		10	159
		Decachlorobiphenyl	2	20	17.6	88		10	148
		Tetrachloro-m-xylene	2	20	20.8	104		10	159
P4675-03	COMP-3	Decachlorobiphenyl	1	20	19.0	95		10	148
		Tetrachloro-m-xylene	1	20	20.8	104		10	159
		Decachlorobiphenyl	2	20	18.4	92		10	148
		Tetrachloro-m-xylene	2	20	21.4	107		10	159
P4675-04	COMP-4	Decachlorobiphenyl	1	20	18.7	93		10	148
		Tetrachloro-m-xylene	1	20	20.0	100		10	159
		Decachlorobiphenyl	2	20	18.2	91		10	148
		Tetrachloro-m-xylene	2	20	20.6	103		10	159
P4675-05	COMP-5	Decachlorobiphenyl	1	20	19.0	95		10	148

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Surrogate Summary

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4675-05	COMP-5	Tetrachloro-m-xylene	1	20	19.7	98		10	159
		Decachlorobiphenyl	2	20	18.5	93		10	148
		Tetrachloro-m-xylene	2	20	20.5	103		10	159
P4675-06	COMP-6	Decachlorobiphenyl	1	20	15.4	77		10	148
		Tetrachloro-m-xylene	1	20	14.3	71		10	159
		Decachlorobiphenyl	2	20	15.0	75		10	148
		Tetrachloro-m-xylene	2	20	14.3	71		10	159
I.BLK-PL092838.D	PIBLK-PL092838.D	Decachlorobiphenyl	1	20	18.9	94		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	18.5	93		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8081B **DataFile :** PL092828.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**COMP-1MS**											
P4675-01MS	Aldrin	21.35	0	20.9	ug/kg	98				49	139	
	Dieldrin	21.35	0	22.1	ug/kg	104				47	161	
	4,4'-DDE	21.35	0	21.6	ug/kg	101				55	136	
	4,4'-DDD	21.35	0	20.7	ug/kg	97				37	192	
	4,4'-DDT	21.35	0	21.8	ug/kg	102				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8081B **DataFile :** PL092829.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**COMP-1MSD**											
P4675-01MSD	Aldrin	21.34	0	21.1	ug/kg	99		1		49	139	20
	Dieldrin	21.34	0	22.3	ug/kg	104		0		47	161	20
	4,4'-DDE	21.34	0	21.7	ug/kg	102		1		55	136	20
	4,4'-DDD	21.34	0	20.5	ug/kg	96		1		37	192	20
	4,4'-DDT	21.34	0	21.8	ug/kg	102		0		51	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8081B **Datafile :** PL092822.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164644BS	Aldrin	16.66	17.7	ug/kg	106				82	124	
	Dieldrin	16.66	18.8	ug/kg	113				85	121	
	4,4'-DDE	16.66	18.6	ug/kg	112				81	123	
	4,4'-DDD	16.66	19.1	ug/kg	115				80	131	
	4,4'-DDT	16.66	18.5	ug/kg	111				70	129	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164644BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab Sample ID: PB164644BL Lab File ID: PL092821.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/04/2024

Date Analyzed (1): 11/04/2024 Date Analyzed (2): 11/04/2024

Time Analyzed (1): 13:41 Time Analyzed (2): 13:41

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

GC Column (1): ZB-MR2 ID: 0.32 (mm) GC Column (2): ZB-MR1 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164644BS	PB164644BS	PL092822.D	11/04/2024	11/04/2024
COMP-1	P4675-01	PL092827.D	11/04/2024	11/04/2024
COMP-1MS	P4675-01MS	PL092828.D	11/04/2024	11/04/2024
COMP-1MSD	P4675-01MSD	PL092829.D	11/04/2024	11/04/2024
COMP-2	P4675-02	PL092830.D	11/04/2024	11/04/2024
COMP-3	P4675-03	PL092831.D	11/04/2024	11/04/2024
COMP-4	P4675-04	PL092832.D	11/04/2024	11/04/2024
COMP-5	P4675-05	PL092833.D	11/04/2024	11/04/2024
COMP-6	P4675-06	PL092834.D	11/04/2024	11/04/2024

COMMENTS:

QC SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	PB164644BL	SDG No.:	P4675
Lab Sample ID:	PB164644BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092821.D	1	11/04/24 08:15	11/04/24 13:41	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		10 - 148	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		10 - 159	94%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/28/24
Project:	Harrington School	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/04/24
Project:	Harrington School	Date Received:	11/04/24
Client Sample ID:	PIBLK-PL092815.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PL092815.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092815.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/04/24
Project:	Harrington School	Date Received:	11/04/24
Client Sample ID:	PIBLK-PL092838.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PL092838.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092838.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	PB164644BS	SDG No.:	P4675
Lab Sample ID:	PB164644BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092822.D	1	11/04/24 08:15	11/04/24 14:16	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	17.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.8		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.6		0.13	1.70	ug/kg
72-54-8	4,4-DDD	19.1		0.19	1.70	ug/kg
50-29-3	4,4-DDT	18.5		0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		10 - 148	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		10 - 159	96%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1MS	SDG No.:	P4675
Lab Sample ID:	P4675-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	77.9 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092828.D	1	11/04/24 08:15	11/04/24 15:39	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	20.9		0.18	2.20	ug/kg
60-57-1	Dieldrin	22.1		0.19	2.20	ug/kg
72-55-9	4,4-DDE	21.6		0.17	2.20	ug/kg
72-54-8	4,4-DDD	20.7		0.24	2.20	ug/kg
50-29-3	4,4-DDT	21.8		0.22	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		10 - 148	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		10 - 159	111%	SPK: 20

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1MSD	SDG No.:	P4675
Lab Sample ID:	P4675-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	77.9 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092829.D	1	11/04/24 08:15	11/04/24 15:53	PB164644

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	21.1		0.18	2.20	ug/kg
60-57-1	Dieldrin	22.3		0.19	2.20	ug/kg
72-55-9	4,4-DDE	21.7		0.17	2.20	ug/kg
72-54-8	4,4-DDD	20.5		0.24	2.20	ug/kg
50-29-3	4,4-DDT	21.8		0.22	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.8		10 - 148	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		10 - 159	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Dieldrin	6.35	6.35	6.35	6.35	6.34	6.34	6.24	6.44
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 **Initial Calibration Time(s):** 14:43 15:36

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
Aldrin	5.27	5.26	5.16	5.36	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 **Initial Calibration Time(s):** 14:43 15:36

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/04/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092817.D **Time Analyzed:** 09:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.716	6.610	6.810	48.080	50.000	-3.8
4,4'-DDE	6.199	6.093	6.293	47.590	50.000	-4.8
4,4'-DDT	7.030	6.923	7.123	46.150	50.000	-7.7
Aldrin	5.265	5.158	5.358	48.280	50.000	-3.4
Decachlorobiphenyl	9.061	8.954	9.154	47.130	50.000	-5.7
Dieldrin	6.351	6.245	6.445	46.950	50.000	-6.1
Tetrachloro-m-xylene	3.547	3.440	3.640	49.530	50.000	-0.9

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/04/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092817.D **Time Analyzed:** 09:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	53.140	50.000	6.3
4,4'-DDE	5.236	5.135	5.335	52.480	50.000	5.0
4,4'-DDT	6.041	5.940	6.140	50.720	50.000	1.4
Aldrin	4.231	4.129	4.329	53.260	50.000	6.5
Decachlorobiphenyl	7.918	7.816	8.016	48.500	50.000	-3.0
Dieldrin	5.368	5.266	5.466	53.190	50.000	6.4
Tetrachloro-m-xylene	2.779	2.678	2.878	52.180	50.000	4.4

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 **Initial Calibration Time(s):** 14:43 15:36

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 **Initial Calibration Time(s):** 14:43 15:36

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/04/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092839.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.610	6.810	50.970	50.000	1.9
4,4'-DDE	6.194	6.093	6.293	49.480	50.000	-1.0
4,4'-DDT	7.026	6.923	7.123	45.210	50.000	-9.6
Aldrin	5.260	5.158	5.358	49.590	50.000	-0.8
Decachlorobiphenyl	9.056	8.954	9.154	48.380	50.000	-3.2
Dieldrin	6.346	6.245	6.445	48.600	50.000	-2.8
Tetrachloro-m-xylene	3.542	3.440	3.640	50.840	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/04/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092839.D **Time Analyzed:** 18:11

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.790	5.689	5.889	58.060	50.000	16.1
4,4'-DDE	5.235	5.135	5.335	55.730	50.000	11.5
4,4'-DDT	6.040	5.940	6.140	50.810	50.000	1.6
Aldrin	4.230	4.129	4.329	56.250	50.000	12.5
Decachlorobiphenyl	7.917	7.816	8.016	49.000	50.000	-2.0
Dieldrin	5.366	5.266	5.466	55.840	50.000	11.7
Tetrachloro-m-xylene	2.779	2.678	2.878	54.940	50.000	9.9

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092816.D **Date Analyzed:** 11/04/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.056	8.960	9.160	20.030	20.000	0.2
Tetrachloro-m-xylene	3.542	3.490	3.590	20.980	20.000	4.9
alpha-BHC	3.997	3.950	4.050	10.770	10.000	7.7
beta-BHC	4.527	4.480	4.580	11.200	10.000	12.0
gamma-BHC (Lindane)	4.330	4.280	4.380	10.570	10.000	5.7
Endrin	6.576	6.510	6.650	41.750	50.000	-16.5
4,4'-DDT	7.026	6.960	7.100	86.870	100.000	-13.1
Methoxychlor	7.502	7.430	7.570	198.210	250.000	-20.7

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092816.D **Date Analyzed:** 11/04/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:48

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.915	7.810	8.020	19.240	20.000	-3.8
Tetrachloro-m-xylene	2.779	2.730	2.830	20.900	20.000	4.5
alpha-BHC	3.281	3.230	3.330	9.890	10.000	-1.1
beta-BHC	3.911	3.860	3.960	11.070	10.000	10.7
gamma-BHC (Lindane)	3.611	3.560	3.660	9.580	10.000	-4.2
Endrin	5.642	5.570	5.710	49.110	50.000	-1.8
4,4'-DDT	6.040	5.970	6.110	104.550	100.000	4.6
Methoxychlor	6.615	6.540	6.690	217.570	250.000	-13.0

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Analytical Sequence

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
I.BLK	I.BLK	11/04/2024	08:34	PL092815.D	9.06	3.54
PEM	PEM	11/04/2024	08:48	PL092816.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	9.06	3.55
PB164644BL	PB164644BL	11/04/2024	13:41	PL092821.D	9.06	3.55
PB164644BS	PB164644BS	11/04/2024	14:16	PL092822.D	9.06	3.55
COMP-1	P4675-01	11/04/2024	15:25	PL092827.D	9.06	3.54
COMP-1MS	P4675-01MS	11/04/2024	15:39	PL092828.D	9.06	3.54
COMP-1MSD	P4675-01MSD	11/04/2024	15:53	PL092829.D	9.06	3.54
COMP-2	P4675-02	11/04/2024	16:07	PL092830.D	9.06	3.54
COMP-3	P4675-03	11/04/2024	16:20	PL092831.D	9.06	3.54
COMP-4	P4675-04	11/04/2024	16:34	PL092832.D	9.06	3.54
COMP-5	P4675-05	11/04/2024	16:48	PL092833.D	9.06	3.54
COMP-6	P4675-06	11/04/2024	17:02	PL092834.D	9.06	3.54
I.BLK	I.BLK	11/04/2024	17:57	PL092838.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	9.06	3.54

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Analytical Sequence

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
I.BLK	I.BLK	11/04/2024	08:34	PL092815.D	7.92	2.78
PEM	PEM	11/04/2024	08:48	PL092816.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	7.92	2.78
PB164644BL	PB164644BL	11/04/2024	13:41	PL092821.D	7.92	2.78
PB164644BS	PB164644BS	11/04/2024	14:16	PL092822.D	7.92	2.78
COMP-1	P4675-01	11/04/2024	15:25	PL092827.D	7.92	2.78
COMP-1MS	P4675-01MS	11/04/2024	15:39	PL092828.D	7.92	2.78
COMP-1MSD	P4675-01MSD	11/04/2024	15:53	PL092829.D	7.92	2.78
COMP-2	P4675-02	11/04/2024	16:07	PL092830.D	7.92	2.78
COMP-3	P4675-03	11/04/2024	16:20	PL092831.D	7.92	2.78
COMP-4	P4675-04	11/04/2024	16:34	PL092832.D	7.92	2.78
COMP-5	P4675-05	11/04/2024	16:48	PL092833.D	7.92	2.78
COMP-6	P4675-06	11/04/2024	17:02	PL092834.D	7.92	2.78
I.BLK	I.BLK	11/04/2024	17:57	PL092838.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MS

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Lab Sample ID: P4675-01MS **Date(s) Analyzed:** 11/04/2024 11/04/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Aldrin	1	5.26	5.21	5.31	18.9	10.1
	2	4.23	4.18	4.28	20.9	
4,4'-DDE	1	6.19	6.14	6.24	19.7	9.2
	2	5.24	5.19	5.29	21.6	
Dieldrin	1	6.35	6.30	6.40	19.1	14.6
	2	5.37	5.32	5.42	22.1	
4,4'-DDD	1	6.71	6.66	6.76	20.1	2.9
	2	5.79	5.74	5.84	20.7	
4,4'-DDT	1	7.02	6.97	7.07	19.8	9.6
	2	6.04	5.99	6.09	21.8	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1MSD

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Lab Sample ID: P4675-01MSD **Date(s) Analyzed:** 11/04/2024 11/04/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	20.2	1.5
	2	5.79	5.74	5.84	20.5	
4,4'-DDT	1	7.02	6.97	7.07	20.1	8.1
	2	6.04	5.99	6.09	21.8	
Aldrin	1	5.26	5.21	5.31	18.8	11.5
	2	4.23	4.18	4.28	21.1	
4,4'-DDE	1	6.19	6.14	6.24	19.7	9.7
	2	5.24	5.19	5.29	21.7	
Dieldrin	1	6.35	6.30	6.40	19.2	14.9
	2	5.37	5.32	5.42	22.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Lab Sample ID: P4675-02 **Date(s) Analyzed:** 11/04/2024 11/04/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Dieldrin	1	6.34	6.29	6.39	0.19	7.7
	2	5.37	5.32	5.42	0.21	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164644BS

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Lab Sample ID: PB164644BS **Date(s) Analyzed:** 11/04/2024 11/04/2024

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR2 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR1 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.72	6.67	6.77	17.2	10.5
	2	5.79	5.74	5.84	19.1	
4,4'-DDT	1	7.03	6.98	7.08	16.9	9
	2	6.04	5.99	6.09	18.5	
Aldrin	1	5.27	5.22	5.32	16.0	10.1
	2	4.23	4.18	4.28	17.7	
4,4'-DDE	1	6.20	6.15	6.25	16.9	9.6
	2	5.24	5.19	5.29	18.6	
Dieldrin	1	6.35	6.30	6.40	16.6	12.4
	2	5.37	5.32	5.42	18.8	

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			PCB Group1	8082A		11/04/24	11/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675 **Order ID:** P4675

Client: Kleinfelder **Project ID:** Harrington School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P4675-01	COMP-1	SOIL	Aroclor-1254	15.8	J	3.50	21.8	ug/kg
			Total Concentration:	**15.800**				

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1	SDG No.:	P4675
Lab Sample ID:	P4675-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	77.9 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107643.D	1	11/04/24 08:15	11/04/24 16:24	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	21.8	ug/kg
11097-69-1	Aroclor-1254	15.8	J	3.50	21.8	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		32 - 144	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		32 - 175	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-2	SDG No.:	P4675
Lab Sample ID:	P4675-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107649.D	1	11/04/24 08:15	11/04/24 18:31	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		32 - 175	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-3	SDG No.:	P4675
Lab Sample ID:	P4675-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.8 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107650.D	1	11/04/24 08:15	11/04/24 18:47	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.1	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.1	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		32 - 175	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4	SDG No.:	P4675
Lab Sample ID:	P4675-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.9 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107651.D	1	11/04/24 08:15	11/04/24 19:03	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	20.4	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.4	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	20.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		32 - 175	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-5	SDG No.:	P4675
Lab Sample ID:	P4675-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107652.D	1	11/04/24 08:15	11/04/24 19:20	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	20.7	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.7	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		32 - 175	108%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-6	SDG No.:	P4675
Lab Sample ID:	P4675-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81.3 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107653.D	1	11/04/24 08:15	11/04/24 19:37	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	20.9	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	20.9	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	20.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		32 - 175	120%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	22.1	110		60	140
		Decachlorobiphenyl	2	20	22.8	114		60	140
I.BLK-PO107633.D	PIBLK-PO107633.D	Tetrachloro-m-xylene	1	20	19.4	97		60	140
		Decachlorobiphenyl	1	20	21.3	106		60	140
		Tetrachloro-m-xylene	2	20	19.4	97		60	140
		Decachlorobiphenyl	2	20	22.3	111		60	140
PB164638BL	PB164638BL	Tetrachloro-m-xylene	1	20	20.4	102		32	144
		Decachlorobiphenyl	1	20	22.3	111		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	22.9	115		32	175
PB164638BS	PB164638BS	Tetrachloro-m-xylene	1	20	20.2	101		32	144
		Decachlorobiphenyl	1	20	21.9	109		32	175
		Tetrachloro-m-xylene	2	20	18.9	95		32	144
		Decachlorobiphenyl	2	20	22.6	113		32	175
P4675-01	COMP-1	Tetrachloro-m-xylene	1	20	21.1	106		32	144
		Decachlorobiphenyl	1	20	20.1	101		32	175
		Tetrachloro-m-xylene	2	20	22.0	110		32	144
		Decachlorobiphenyl	2	20	20.2	101		32	175
I.BLK-PO107648.D	PIBLK-PO107648.D	Tetrachloro-m-xylene	1	20	19.3	96		60	140
		Decachlorobiphenyl	1	20	20.8	104		60	140
		Tetrachloro-m-xylene	2	20	19.7	98		60	140
		Decachlorobiphenyl	2	20	21.3	107		60	140
P4675-02	COMP-2	Tetrachloro-m-xylene	1	20	20.3	102		32	144
		Decachlorobiphenyl	1	20	20.3	101		32	175
		Tetrachloro-m-xylene	2	20	20.7	104		32	144
		Decachlorobiphenyl	2	20	20.8	104		32	175
P4675-03	COMP-3	Tetrachloro-m-xylene	1	20	21.2	106		32	144
		Decachlorobiphenyl	1	20	20.8	104		32	175
		Tetrachloro-m-xylene	2	20	21.8	109		32	144
		Decachlorobiphenyl	2	20	21.3	106		32	175
P4675-04	COMP-4	Tetrachloro-m-xylene	1	20	20.2	101		32	144
		Decachlorobiphenyl	1	20	20.3	102		32	175
		Tetrachloro-m-xylene	2	20	20.6	103		32	144
		Decachlorobiphenyl	2	20	21.0	105		32	175
P4675-05	COMP-5	Tetrachloro-m-xylene	1	20	20.4	102		32	144
		Decachlorobiphenyl	1	20	20.7	103		32	175
		Tetrachloro-m-xylene	2	20	20.7	104		32	144
		Decachlorobiphenyl	2	20	21.5	108		32	175
P4675-06	COMP-6	Tetrachloro-m-xylene	1	20	22.6	113		32	144

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Surrogate Summary

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4675-06	COMP-6	Decachlorobiphenyl	1	20	23.4	117		32	175
		Tetrachloro-m-xylene	2	20	23.0	115		32	144
		Decachlorobiphenyl	2	20	24.0	120		32	175
P4680-01MS	BP-F26MS	Tetrachloro-m-xylene	1	20	19.6	98		32	144
		Decachlorobiphenyl	1	20	19.1	95		32	175
		Tetrachloro-m-xylene	2	20	18.9	95		32	144
		Decachlorobiphenyl	2	20	19.1	96		32	175
P4680-01MSD	BP-F26MSD	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	19.2	96		32	175
		Tetrachloro-m-xylene	2	20	18.9	95		32	144
		Decachlorobiphenyl	2	20	19.2	96		32	175
I.BLK-PO107663.D	PIBLK-PO107663.D	Tetrachloro-m-xylene	1	20	19.5	97		60	140
		Decachlorobiphenyl	1	20	20.9	105		60	140
		Tetrachloro-m-xylene	2	20	19.7	98		60	140
		Decachlorobiphenyl	2	20	21.9	109		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8082A **DataFile :** PO107656.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**BP-F26MS**											
P4680-01MS	AR1016	185.2	0	161	ug/kg	87				55	146	
	AR1260	185.2	0	155	ug/kg	84				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8082A **DataFile :** PO107657.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**BP-F26MSD**											
P4680-01MSD	AR1016	185.3	0	162	ug/kg	87		0		55	146	20
	AR1260	185.3	0	155	ug/kg	84		0		45	144	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4675

Client: Kleinfelder

Analytical Method: 8082A **Datafile :** PO107635.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164638BS	AR1016	166.6	148	ug/kg	89				71	120	
	AR1260	166.6	150	ug/kg	90				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164638BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4675 SAS No.: P4675 SDG NO.: P4675

Lab Sample ID: PB164638BL Lab File ID: PO107634.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 11/04/2024

Date Analyzed (1): 11/04/2024 Date Analyzed (2): 11/04/2024

Time Analyzed (1): 13:57 Time Analyzed (2): 13:57

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164638BS	PB164638BS	PO107635.D	11/04/2024	11/04/2024
COMP-1	P4675-01	PO107643.D	11/04/2024	11/04/2024
COMP-2	P4675-02	PO107649.D	11/04/2024	11/04/2024
COMP-3	P4675-03	PO107650.D	11/04/2024	11/04/2024
COMP-4	P4675-04	PO107651.D	11/04/2024	11/04/2024
COMP-5	P4675-05	PO107652.D	11/04/2024	11/04/2024
COMP-6	P4675-06	PO107653.D	11/04/2024	11/04/2024
BP-F26MS	P4680-01MS	PO107656.D	11/04/2024	11/04/2024
BP-F26MSD	P4680-01MSD	PO107657.D	11/04/2024	11/04/2024

COMMENTS:

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 01:59

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.52	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Aroclor-1016-2	(2)	5.54	5.55	5.55	5.54	5.54	5.54	5.44	5.64
Aroclor-1016-3	(3)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Aroclor-1016-4	(4)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-5	(5)	6.00	6.00	6.00	6.00	6.00	6.00	5.90	6.10
Aroclor-1260-1	(1)	7.12	7.13	7.13	7.12	7.13	7.13	7.03	7.23
Aroclor-1260-2	(2)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1260-3	(3)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1260-4	(4)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1260-5	(5)	8.28	8.28	8.28	8.28	8.28	8.28	8.18	8.38
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47
Aroclor-1254-1	(1)	6.37	6.37	6.38	6.37	6.38	6.37	6.27	6.47
Aroclor-1254-2	(2)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Aroclor-1254-3	(3)	6.96	6.96	6.96	6.96	6.96	6.96	6.86	7.06
Aroclor-1254-4	(4)	7.24	7.24	7.24	7.24	7.24	7.24	7.14	7.34
Aroclor-1254-5	(5)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Decachlorobiphenyl		10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene		4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 01:59

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID: RT 1000 = PO107184.D RT 750 = PO107185.D

RT 500 = PO107186.D RT 250 = PO107187.D RT 050 = PO107188.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Aroclor-1016-2	(2)	4.75	4.75	4.75	4.75	4.75	4.75	4.65	4.85
Aroclor-1016-3	(3)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1260-1	(1)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1260-2	(2)	6.39	6.39	6.39	6.39	6.40	6.39	6.29	6.49
Aroclor-1260-3	(3)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1260-4	(4)	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aroclor-1260-5	(5)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.64	3.64	3.65	3.64	3.64	3.64	3.54	3.74
Aroclor-1254-1	(1)	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Aroclor-1254-2	(2)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1254-3	(3)	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Aroclor-1254-4	(4)	6.30	6.30	6.30	6.31	6.30	6.30	6.20	6.40
Aroclor-1254-5	(5)	6.72	6.72	6.72	6.72	6.72	6.72	6.62	6.82
Decachlorobiphenyl		8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene		3.65	3.64	3.64	3.64	3.65	3.64	3.54	3.74

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 01:59

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO107184.D CF 750 = PO107185.D

CF 500 = PO107186.D CF 250 = PO107187.D CF 050 = PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291	5
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925	5
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556	6
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918	10
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545	9
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546	6
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115	6
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141	6
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872	6
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762	5
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474	4
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453	3
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328	7
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485	6
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987	5
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994	6
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837	5
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701	4
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: ECD_O **Calibration Date(s):** 10/15/2024 10/16/2024

Calibration Times: 18:27 01:59

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = PO107184.D CF 750 = PO107185.D

CF 500 = PO107186.D CF 250 = PO107187.D CF 050 = PO107188.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662	4
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754	5
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646	3
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349	6
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853	4
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605	3
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605	8
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143	6
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734	3
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666	7
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373	3
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483	6
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142	3
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842	3
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559	3
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429	4
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255	6
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110	3
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545	6

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Instrument ID: _____ **Date(s) Analyzed:** _____ _____

GC Column: _____ **ID:** _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
		1				
		2				
		3				
		4				
		5				

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 11:26 **Initial Calibration Time(s):** 18:27 01:59

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 11:26 **Initial Calibration Time(s):** 18:27 01:59

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/04/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107629.D **Time Analyzed:** 11:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.520	5.423	5.623	495.740	500.000	-0.9
Aroclor-1016-2	5.543	5.445	5.645	483.630	500.000	-3.3
Aroclor-1016-3	5.605	5.507	5.707	474.920	500.000	-5.0
Aroclor-1016-4	5.702	5.604	5.804	499.130	500.000	-0.2
Aroclor-1016-5	5.997	5.899	6.099	508.210	500.000	1.6
Aroclor-1260-1	7.126	7.026	7.226	509.270	500.000	1.9
Aroclor-1260-2	7.383	7.282	7.482	519.120	500.000	3.8
Aroclor-1260-3	7.745	7.643	7.843	522.220	500.000	4.4
Aroclor-1260-4	7.970	7.868	8.068	528.660	500.000	5.7
Aroclor-1260-5	8.283	8.181	8.381	520.190	500.000	4.0
Decachlorobiphenyl	10.065	9.958	10.158	48.540	50.000	-2.9
Tetrachloro-m-xylene	4.370	4.274	4.474	49.640	50.000	-0.7

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/04/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107629.D **Time Analyzed:** 11:26

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	510.300	500.000	2.1
Aroclor-1016-2	4.742	4.645	4.845	522.520	500.000	4.5
Aroclor-1016-3	4.918	4.821	5.021	503.120	500.000	0.6
Aroclor-1016-4	4.959	4.862	5.062	468.200	500.000	-6.4
Aroclor-1016-5	5.172	5.076	5.276	500.090	500.000	0.0
Aroclor-1260-1	6.203	6.107	6.307	491.800	500.000	-1.6
Aroclor-1260-2	6.391	6.294	6.494	519.880	500.000	4.0
Aroclor-1260-3	6.545	6.448	6.648	498.840	500.000	-0.2
Aroclor-1260-4	7.015	6.918	7.118	504.220	500.000	0.8
Aroclor-1260-5	7.256	7.159	7.359	535.390	500.000	7.1
Decachlorobiphenyl	8.637	8.539	8.739	53.380	50.000	6.8
Tetrachloro-m-xylene	3.642	3.545	3.745	51.330	50.000	2.7

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 18:27 01:59

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	0.00
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.28	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 18:27 01:59

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/04/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107644.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	508.860	500.000	1.8
Aroclor-1016-2	5.543	5.445	5.645	500.040	500.000	0.0
Aroclor-1016-3	5.606	5.507	5.707	500.160	500.000	0.0
Aroclor-1016-4	5.702	5.604	5.804	522.850	500.000	4.6
Aroclor-1016-5	5.998	5.899	6.099	521.630	500.000	4.3
Aroclor-1260-1	7.126	7.026	7.226	505.470	500.000	1.1
Aroclor-1260-2	7.383	7.282	7.482	521.130	500.000	4.2
Aroclor-1260-3	7.745	7.643	7.843	523.030	500.000	4.6
Aroclor-1260-4	7.970	7.868	8.068	536.480	500.000	7.3
Aroclor-1260-5	8.283	8.181	8.381	530.580	500.000	6.1
Decachlorobiphenyl	10.066	9.958	10.158	48.830	50.000	-2.3
Tetrachloro-m-xylene	4.371	4.274	4.474	51.780	50.000	3.6

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/04/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107644.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	529.010	500.000	5.8
Aroclor-1016-2	4.742	4.645	4.845	537.390	500.000	7.5
Aroclor-1016-3	4.918	4.821	5.021	520.000	500.000	4.0
Aroclor-1016-4	4.960	4.862	5.062	477.080	500.000	-4.6
Aroclor-1016-5	5.173	5.076	5.276	516.060	500.000	3.2
Aroclor-1260-1	6.203	6.107	6.307	512.050	500.000	2.4
Aroclor-1260-2	6.391	6.294	6.494	535.020	500.000	7.0
Aroclor-1260-3	6.544	6.448	6.648	514.440	500.000	2.9
Aroclor-1260-4	7.015	6.918	7.118	514.660	500.000	2.9
Aroclor-1260-5	7.256	7.159	7.359	543.510	500.000	8.7
Decachlorobiphenyl	8.637	8.539	8.739	52.320	50.000	4.6
Tetrachloro-m-xylene	3.642	3.545	3.745	52.670	50.000	5.3

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 21:47 **Initial Calibration Time(s):** 18:27 01:59

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

Continuing Calib Date: 11/04/2024 **Initial Calibration Date(s):** 10/15/2024 10/16/2024

Continuing Calib Time: 21:47 **Initial Calibration Time(s):** 18:27 01:59

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/04/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107659.D **Time Analyzed:** 21:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	518.750	500.000	3.8
Aroclor-1016-2	5.544	5.445	5.645	500.630	500.000	0.1
Aroclor-1016-3	5.607	5.507	5.707	496.870	500.000	-0.6
Aroclor-1016-4	5.703	5.604	5.804	516.770	500.000	3.4
Aroclor-1016-5	5.999	5.899	6.099	527.390	500.000	5.5
Aroclor-1260-1	7.128	7.026	7.226	515.420	500.000	3.1
Aroclor-1260-2	7.384	7.282	7.482	532.300	500.000	6.5
Aroclor-1260-3	7.746	7.643	7.843	535.840	500.000	7.2
Aroclor-1260-4	7.971	7.868	8.068	545.140	500.000	9.0
Aroclor-1260-5	8.285	8.181	8.381	530.100	500.000	6.0
Decachlorobiphenyl	10.068	9.958	10.158	48.810	50.000	-2.4
Tetrachloro-m-xylene	4.371	4.274	4.474	52.270	50.000	4.5

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P4675 **SAS No.:** P4675 **SDG NO.:** P4675

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/15/2024 10/15/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/04/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO107659.D **Time Analyzed:** 21:47

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	531.310	500.000	6.3
Aroclor-1016-2	4.742	4.645	4.845	543.920	500.000	8.8
Aroclor-1016-3	4.918	4.821	5.021	524.190	500.000	4.8
Aroclor-1016-4	4.960	4.862	5.062	480.090	500.000	-4.0
Aroclor-1016-5	5.172	5.076	5.276	522.420	500.000	4.5
Aroclor-1260-1	6.203	6.107	6.307	518.730	500.000	3.7
Aroclor-1260-2	6.390	6.294	6.494	550.320	500.000	10.1
Aroclor-1260-3	6.544	6.448	6.648	521.320	500.000	4.3
Aroclor-1260-4	7.015	6.918	7.118	524.500	500.000	4.9
Aroclor-1260-5	7.256	7.159	7.359	552.420	500.000	10.5
Decachlorobiphenyl	8.636	8.539	8.739	53.270	50.000	6.5
Tetrachloro-m-xylene	3.643	3.545	3.745	52.940	50.000	5.9

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Analytical Sequence

Client:	**Kleinfelder**	**SDG No.:**	**P4675**
Project:	**Harrington School**	**Instrument ID:**	**ECD_O**
GC Column:	**ZB-MR1** **ID: 0.32 (mm)**	**Inst. Calib. Date(s):**	**10/15/2024 10/15/2024**

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1660CCC500	AR1660CCC500	11/04/2024	11:26	PO107629.D	10.07	4.37
I.BLK	I.BLK	11/04/2024	12:33	PO107633.D	10.07	4.37
PB164638BL	PB164638BL	11/04/2024	13:57	PO107634.D	10.07	4.37
PB164638BS	PB164638BS	11/04/2024	14:13	PO107635.D	10.07	4.37
COMP-1	P4675-01	11/04/2024	16:24	PO107643.D	10.07	4.37
AR1660CCC500	AR1660CCC500	11/04/2024	17:10	PO107644.D	10.07	4.37
I.BLK	I.BLK	11/04/2024	18:15	PO107648.D	10.07	4.37
COMP-2	P4675-02	11/04/2024	18:31	PO107649.D	10.07	4.37
COMP-3	P4675-03	11/04/2024	18:47	PO107650.D	10.07	4.37
COMP-4	P4675-04	11/04/2024	19:03	PO107651.D	10.07	4.37
COMP-5	P4675-05	11/04/2024	19:20	PO107652.D	10.07	4.37
COMP-6	P4675-06	11/04/2024	19:37	PO107653.D	10.07	4.37
BP-F26MS	P4680-01MS	11/04/2024	20:28	PO107656.D	10.07	4.37
BP-F26MSD	P4680-01MSD	11/04/2024	20:44	PO107657.D	10.07	4.37
AR1660CCC500	AR1660CCC500	11/04/2024	21:47	PO107659.D	10.07	4.37
I.BLK	I.BLK	11/04/2024	22:53	PO107663.D	10.07	4.37

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Analytical Sequence

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/15/2024 10/15/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/04/2024	11:26	PO107629.D	8.64	3.64
I.BLK	I.BLK	11/04/2024	12:33	PO107633.D	8.64	3.64
PB164638BL	PB164638BL	11/04/2024	13:57	PO107634.D	8.64	3.64
PB164638BS	PB164638BS	11/04/2024	14:13	PO107635.D	8.64	3.64
COMP-1	P4675-01	11/04/2024	16:24	PO107643.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/04/2024	17:10	PO107644.D	8.64	3.64
I.BLK	I.BLK	11/04/2024	18:15	PO107648.D	8.64	3.64
COMP-2	P4675-02	11/04/2024	18:31	PO107649.D	8.64	3.64
COMP-3	P4675-03	11/04/2024	18:47	PO107650.D	8.64	3.64
COMP-4	P4675-04	11/04/2024	19:03	PO107651.D	8.64	3.64
COMP-5	P4675-05	11/04/2024	19:20	PO107652.D	8.64	3.64
COMP-6	P4675-06	11/04/2024	19:37	PO107653.D	8.64	3.64
BP-F26MS	P4680-01MS	11/04/2024	20:28	PO107656.D	8.64	3.64
BP-F26MSD	P4680-01MSD	11/04/2024	20:44	PO107657.D	8.63	3.64
AR1660CCC500	AR1660CCC500	11/04/2024	21:47	PO107659.D	8.64	3.64
I.BLK	I.BLK	11/04/2024	22:53	PO107663.D	8.64	3.64

QC SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Harrington School	Date Received:	
Client Sample ID:	PB164638BL	SDG No.:	P4675
Lab Sample ID:	PB164638BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107634.D	1	11/04/24 08:15	11/04/24 13:57	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		32 - 175	115%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/15/24
Project:	Harrington School	Date Received:	10/15/24
Client Sample ID:	PIBLK-PO107183.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PO107183.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107183.D	1		10/15/24	po101524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		60 - 140	114%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/04/24
Project:	Harrington School	Date Received:	11/04/24
Client Sample ID:	PIBLK-PO107633.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PO107633.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107633.D	1		11/04/24	PO110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		60 - 140	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		60 - 140	106%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/04/24
Project:	Harrington School	Date Received:	11/04/24
Client Sample ID:	PIBLK-PO107648.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PO107648.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107648.D	1		11/04/24	PO110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		60 - 140	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		60 - 140	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/04/24
Project:	Harrington School	Date Received:	11/04/24
Client Sample ID:	PIBLK-PO107663.D	SDG No.:	P4675
Lab Sample ID:	I.BLK-PO107663.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107663.D	1		11/04/24	PO110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		60 - 140	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		60 - 140	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder		Date Collected:		
Project:	Harrington School		Date Received:		
Client Sample ID:	PB164638BS		SDG No.:	P4675	
Lab Sample ID:	PB164638BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107635.D	1	11/04/24 08:15	11/04/24 14:13	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	148		3.40	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
11096-82-5	Aroclor-1260	150		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.6		32 - 175	113%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/01/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	BP-F26MS	SDG No.:	P4675
Lab Sample ID:	P4680-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107656.D	1	11/04/24 08:15	11/04/24 20:28	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	161		3.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
11096-82-5	Aroclor-1260	155		3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		32 - 175	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/01/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	BP-F26MSD	SDG No.:	P4675
Lab Sample ID:	P4680-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107657.D	1	11/04/24 08:15	11/04/24 20:44	PB164638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	162		3.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
11096-82-5	Aroclor-1260	155		3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		32 - 144	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		32 - 175	96%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24**			**11/01/24**
			Mercury	7471B		11/04/24	11/04/24	
			Metals ICP-Group1	6010D		11/04/24	11/06/24	
P4675-02	**COMP-2**	**SOIL**			**10/31/24**			**11/01/24**
			Mercury	7471B		11/04/24	11/04/24	
			Metals ICP-Group1	6010D		11/04/24	11/06/24	
P4675-03	**COMP-3**	**SOIL**			**10/31/24**			**11/01/24**
			Mercury	7471B		11/04/24	11/04/24	
			Metals ICP-Group1	6010D		11/04/24	11/06/24	
P4675-04	**COMP-4**	**SOIL**			**10/31/24**			**11/01/24**
			Mercury	7471B		11/04/24	11/04/24	
			Metals ICP-Group1	6010D		11/04/24	11/06/24	
P4675-05	**COMP-5**	**SOIL**			**10/31/24**			**11/01/24**
			Mercury	7471B		11/04/24	11/04/24	
			Metals ICP-Group1	6010D		11/04/24	11/06/24	
P4675-06	**COMP-6**	**SOIL**			**10/31/24**			**11/01/24**
			Mercury	7471B		11/04/24	11/04/24	
			Metals ICP-Group1	6010D		11/04/24	11/06/24	

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Hit Summary Sheet
SW-846

SDG No.: P4675 **Order ID:** P4675

Client: Kleinfelder **Project ID:** Harrington School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P4675-01	COMP-1	SOIL	Aluminum	15200		2.60	5.39	mg/Kg
P4675-01	COMP-1	SOIL	Arsenic	2.63		0.31	1.08	mg/Kg
P4675-01	COMP-1	SOIL	Barium	30.3		0.69	5.39	mg/Kg
P4675-01	COMP-1	SOIL	Beryllium	0.79		0.013	0.32	mg/Kg
P4675-01	COMP-1	SOIL	Boron	7.25		0.85	5.39	mg/Kg
P4675-01	COMP-1	SOIL	Cadmium	3.75		0.017	0.32	mg/Kg
P4675-01	COMP-1	SOIL	Chromium	30.9		0.058	0.54	mg/Kg
P4675-01	COMP-1	SOIL	Cobalt	4.73		0.063	1.62	mg/Kg
P4675-01	COMP-1	SOIL	Copper	10.9		0.51	1.08	mg/Kg
P4675-01	COMP-1	SOIL	Iron	28500		2.90	5.39	mg/Kg
P4675-01	COMP-1	SOIL	Lead	17.1		0.16	0.65	mg/Kg
P4675-01	COMP-1	SOIL	Manganese	26.8		0.077	1.08	mg/Kg
P4675-01	COMP-1	SOIL	Mercury	0.052		0.0070	0.016	mg/Kg
P4675-01	COMP-1	SOIL	Nickel	5.92		0.097	2.16	mg/Kg
P4675-01	COMP-1	SOIL	Thallium	0.80	J	0.48	2.16	mg/Kg
P4675-01	COMP-1	SOIL	Vanadium	50.6		0.29	2.16	mg/Kg
P4675-01	COMP-1	SOIL	Zinc	11.4		0.12	2.16	mg/Kg
Client ID : COMP-2								
P4675-02	COMP-2	SOIL	Aluminum	15800		2.68	5.56	mg/Kg
P4675-02	COMP-2	SOIL	Arsenic	3.09		0.32	1.11	mg/Kg
P4675-02	COMP-2	SOIL	Barium	77.2		0.71	5.56	mg/Kg
P4675-02	COMP-2	SOIL	Beryllium	0.96		0.013	0.33	mg/Kg
P4675-02	COMP-2	SOIL	Boron	7.21		0.88	5.56	mg/Kg
P4675-02	COMP-2	SOIL	Cadmium	3.82		0.018	0.33	mg/Kg
P4675-02	COMP-2	SOIL	Chromium	27.5		0.060	0.56	mg/Kg
P4675-02	COMP-2	SOIL	Cobalt	10.5		0.064	1.67	mg/Kg
P4675-02	COMP-2	SOIL	Copper	18.1		0.52	1.11	mg/Kg
P4675-02	COMP-2	SOIL	Iron	27800		2.99	5.56	mg/Kg
P4675-02	COMP-2	SOIL	Lead	32.3		0.17	0.67	mg/Kg
P4675-02	COMP-2	SOIL	Manganese	225		0.079	1.11	mg/Kg
P4675-02	COMP-2	SOIL	Mercury	0.024		0.0070	0.016	mg/Kg
P4675-02	COMP-2	SOIL	Nickel	17.8		0.10	2.22	mg/Kg
P4675-02	COMP-2	SOIL	Silver	0.17	J	0.058	0.56	mg/Kg
P4675-02	COMP-2	SOIL	Vanadium	51.0		0.30	2.22	mg/Kg
P4675-02	COMP-2	SOIL	Zinc	41.4		0.12	2.22	mg/Kg
Client ID : COMP-3								

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Hit Summary Sheet
SW-846

SDG No.: P4675 **Order ID:** P4675

Client: Kleinfelder **Project ID:** Harrington School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4675-03	COMP-3	SOIL	Aluminum	12400		2.58	5.36	mg/Kg
P4675-03	COMP-3	SOIL	Arsenic	2.20		0.31	1.07	mg/Kg
P4675-03	COMP-3	SOIL	Barium	31.6		0.69	5.36	mg/Kg
P4675-03	COMP-3	SOIL	Beryllium	0.63		0.013	0.32	mg/Kg
P4675-03	COMP-3	SOIL	Boron	5.52		0.85	5.36	mg/Kg
P4675-03	COMP-3	SOIL	Cadmium	2.10		0.017	0.32	mg/Kg
P4675-03	COMP-3	SOIL	Chromium	16.9		0.058	0.54	mg/Kg
P4675-03	COMP-3	SOIL	Cobalt	5.70		0.062	1.61	mg/Kg
P4675-03	COMP-3	SOIL	Copper	10.4		0.50	1.07	mg/Kg
P4675-03	COMP-3	SOIL	Iron	20000		2.89	5.36	mg/Kg
P4675-03	COMP-3	SOIL	Lead	14.4		0.16	0.64	mg/Kg
P4675-03	COMP-3	SOIL	Manganese	92.9		0.076	1.07	mg/Kg
P4675-03	COMP-3	SOIL	Mercury	0.012	J	0.0060	0.014	mg/Kg
P4675-03	COMP-3	SOIL	Nickel	7.09		0.097	2.14	mg/Kg
P4675-03	COMP-3	SOIL	Silver	0.18	J	0.056	0.54	mg/Kg
P4675-03	COMP-3	SOIL	Vanadium	33.9		0.29	2.14	mg/Kg
P4675-03	COMP-3	SOIL	Zinc	12.6		0.12	2.14	mg/Kg
Client ID : COMP-4								
P4675-04	COMP-4	SOIL	Aluminum	14000		2.62	5.43	mg/Kg
P4675-04	COMP-4	SOIL	Arsenic	5.34		0.32	1.09	mg/Kg
P4675-04	COMP-4	SOIL	Barium	56.9		0.70	5.43	mg/Kg
P4675-04	COMP-4	SOIL	Beryllium	0.89		0.013	0.33	mg/Kg
P4675-04	COMP-4	SOIL	Boron	7.47		0.86	5.43	mg/Kg
P4675-04	COMP-4	SOIL	Cadmium	2.62		0.017	0.33	mg/Kg
P4675-04	COMP-4	SOIL	Chromium	22.8		0.059	0.54	mg/Kg
P4675-04	COMP-4	SOIL	Cobalt	10.3		0.063	1.63	mg/Kg
P4675-04	COMP-4	SOIL	Copper	8.85		0.51	1.09	mg/Kg
P4675-04	COMP-4	SOIL	Iron	21200		2.92	5.43	mg/Kg
P4675-04	COMP-4	SOIL	Lead	12.4		0.16	0.65	mg/Kg
P4675-04	COMP-4	SOIL	Manganese	191		0.077	1.09	mg/Kg
P4675-04	COMP-4	SOIL	Mercury	0.029		0.0070	0.017	mg/Kg
P4675-04	COMP-4	SOIL	Molybdenum	0.40	J	0.35	10.9	mg/Kg
P4675-04	COMP-4	SOIL	Nickel	13.5		0.098	2.17	mg/Kg
P4675-04	COMP-4	SOIL	Silver	0.25	J	0.057	0.54	mg/Kg
P4675-04	COMP-4	SOIL	Vanadium	39.3		0.29	2.17	mg/Kg
P4675-04	COMP-4	SOIL	Zinc	28.8		0.12	2.17	mg/Kg
Client ID : COMP-5								
P4675-05	COMP-5	SOIL	Aluminum	18900		2.72	5.64	mg/Kg
P4675-05	COMP-5	SOIL	Arsenic	5.06		0.33	1.13	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: P4675 **Order ID:** P4675

Client: Kleinfelder **Project ID:** Harrington School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4675-05	COMP-5	SOIL	Barium	53.6		0.72	5.64	mg/Kg
P4675-05	COMP-5	SOIL	Beryllium	0.85		0.014	0.34	mg/Kg
P4675-05	COMP-5	SOIL	Boron	8.29		0.89	5.64	mg/Kg
P4675-05	COMP-5	SOIL	Cadmium	2.53		0.018	0.34	mg/Kg
P4675-05	COMP-5	SOIL	Chromium	22.8		0.061	0.56	mg/Kg
P4675-05	COMP-5	SOIL	Cobalt	5.52		0.065	1.69	mg/Kg
P4675-05	COMP-5	SOIL	Copper	8.13		0.53	1.13	mg/Kg
P4675-05	COMP-5	SOIL	Iron	23900		3.03	5.64	mg/Kg
P4675-05	COMP-5	SOIL	Lead	12.3		0.17	0.68	mg/Kg
P4675-05	COMP-5	SOIL	Manganese	79.5		0.080	1.13	mg/Kg
P4675-05	COMP-5	SOIL	Mercury	0.074		0.0070	0.016	mg/Kg
P4675-05	COMP-5	SOIL	Nickel	11.1		0.10	2.26	mg/Kg
P4675-05	COMP-5	SOIL	Silver	0.31	J	0.059	0.56	mg/Kg
P4675-05	COMP-5	SOIL	Vanadium	39.1		0.31	2.26	mg/Kg
P4675-05	COMP-5	SOIL	Zinc	25.0		0.12	2.26	mg/Kg
Client ID : COMP-6								
P4675-06	COMP-6	SOIL	Aluminum	11700		2.58	5.35	mg/Kg
P4675-06	COMP-6	SOIL	Arsenic	4.44		0.31	1.07	mg/Kg
P4675-06	COMP-6	SOIL	Barium	44.6		0.69	5.35	mg/Kg
P4675-06	COMP-6	SOIL	Beryllium	0.89		0.013	0.32	mg/Kg
P4675-06	COMP-6	SOIL	Boron	6.19		0.85	5.35	mg/Kg
P4675-06	COMP-6	SOIL	Cadmium	2.62		0.017	0.32	mg/Kg
P4675-06	COMP-6	SOIL	Chromium	21.7		0.058	0.54	mg/Kg
P4675-06	COMP-6	SOIL	Cobalt	7.34		0.062	1.60	mg/Kg
P4675-06	COMP-6	SOIL	Copper	9.59		0.50	1.07	mg/Kg
P4675-06	COMP-6	SOIL	Iron	18900		2.88	5.35	mg/Kg
P4675-06	COMP-6	SOIL	Lead	8.94		0.16	0.64	mg/Kg
P4675-06	COMP-6	SOIL	Manganese	172		0.076	1.07	mg/Kg
P4675-06	COMP-6	SOIL	Mercury	0.023		0.0070	0.017	mg/Kg
P4675-06	COMP-6	SOIL	Nickel	13.4		0.096	2.14	mg/Kg
P4675-06	COMP-6	SOIL	Silver	0.27	J	0.056	0.54	mg/Kg
P4675-06	COMP-6	SOIL	Vanadium	34.7		0.29	2.14	mg/Kg
P4675-06	COMP-6	SOIL	Zinc	28.2		0.12	2.14	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1	SDG No.:	P4675
Lab Sample ID:	P4675-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	77.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15200		1	2.60	5.39	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.70	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-38-2	Arsenic	2.63		1	0.31	1.08	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-39-3	Barium	30.3	N	1	0.69	5.39	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-41-7	Beryllium	0.79		1	0.013	0.32	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-42-8	Boron	7.25	N	1	0.85	5.39	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-43-9	Cadmium	3.75		1	0.017	0.32	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-47-3	Chromium	30.9		1	0.058	0.54	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-48-4	Cobalt	4.73		1	0.063	1.62	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-50-8	Copper	10.9		1	0.51	1.08	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7439-89-6	Iron	28500		1	2.90	5.39	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7439-92-1	Lead	17.1		1	0.16	0.65	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7439-96-5	Manganese	26.8		1	0.077	1.08	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7439-97-6	Mercury	0.052		1	0.0070	0.016	mg/Kg	11/04/24 08:00	11/04/24 15:09	SW7471B	
7439-98-7	Molybdenum	0.35	U	1	0.35	10.8	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-02-0	Nickel	5.92		1	0.097	2.16	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7782-49-2	Selenium	0.36	U	1	0.36	1.08	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-22-4	Silver	0.056	U	1	0.056	0.54	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-28-0	Thallium	0.80	J	1	0.48	2.16	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-62-2	Vanadium	50.6		1	0.29	2.16	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050
7440-66-6	Zinc	11.4	N	1	0.12	2.16	mg/Kg	11/04/24 12:15	11/06/24 22:54	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group1				

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

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-2	SDG No.:	P4675
Lab Sample ID:	P4675-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	85.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	15800		1	2.68	5.56	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-36-0	Antimony	0.17	UN	1	0.17	2.78	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-38-2	Arsenic	3.09		1	0.32	1.11	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-39-3	Barium	77.2	N	1	0.71	5.56	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-41-7	Beryllium	0.96		1	0.013	0.33	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-42-8	Boron	7.21	N	1	0.88	5.56	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-43-9	Cadmium	3.82		1	0.018	0.33	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-47-3	Chromium	27.5		1	0.060	0.56	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-48-4	Cobalt	10.5		1	0.064	1.67	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-50-8	Copper	18.1		1	0.52	1.11	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7439-89-6	Iron	27800		1	2.99	5.56	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7439-92-1	Lead	32.3		1	0.17	0.67	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7439-96-5	Manganese	225		1	0.079	1.11	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7439-97-6	Mercury	0.024		1	0.0070	0.016	mg/Kg	11/04/24 08:00	11/04/24 15:11	SW7471B	
7439-98-7	Molybdenum	0.36	U	1	0.36	11.1	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-02-0	Nickel	17.8		1	0.10	2.22	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7782-49-2	Selenium	0.37	U	1	0.37	1.11	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-22-4	Silver	0.17	J	1	0.058	0.56	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-28-0	Thallium	0.49	U	1	0.49	2.22	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-62-2	Vanadium	51.0		1	0.30	2.22	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050
7440-66-6	Zinc	41.4	N	1	0.12	2.22	mg/Kg	11/04/24 12:15	11/06/24 22:59	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group1				

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-3	SDG No.:	P4675
Lab Sample ID:	P4675-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12400		1	2.58	5.36	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.68	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-38-2	Arsenic	2.20		1	0.31	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-39-3	Barium	31.6	N	1	0.69	5.36	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-41-7	Beryllium	0.63		1	0.013	0.32	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-42-8	Boron	5.52	N	1	0.85	5.36	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-43-9	Cadmium	2.10		1	0.017	0.32	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-47-3	Chromium	16.9		1	0.058	0.54	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-48-4	Cobalt	5.70		1	0.062	1.61	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-50-8	Copper	10.4		1	0.50	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7439-89-6	Iron	20000		1	2.89	5.36	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7439-92-1	Lead	14.4		1	0.16	0.64	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7439-96-5	Manganese	92.9		1	0.076	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7439-97-6	Mercury	0.012	J	1	0.0060	0.014	mg/Kg	11/04/24 08:00	11/04/24 15:13	SW7471B	
7439-98-7	Molybdenum	0.34	U	1	0.34	10.7	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-02-0	Nickel	7.09		1	0.097	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7782-49-2	Selenium	0.35	U	1	0.35	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-22-4	Silver	0.18	J	1	0.056	0.54	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-62-2	Vanadium	33.9		1	0.29	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050
7440-66-6	Zinc	12.6	N	1	0.12	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:12	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group1				

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
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OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4	SDG No.:	P4675
Lab Sample ID:	P4675-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14000		1	2.62	5.43	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.72	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-38-2	Arsenic	5.34		1	0.32	1.09	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-39-3	Barium	56.9	N	1	0.70	5.43	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-41-7	Beryllium	0.89		1	0.013	0.33	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-42-8	Boron	7.47	N	1	0.86	5.43	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-43-9	Cadmium	2.62		1	0.017	0.33	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-47-3	Chromium	22.8		1	0.059	0.54	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-48-4	Cobalt	10.3		1	0.063	1.63	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-50-8	Copper	8.85		1	0.51	1.09	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7439-89-6	Iron	21200		1	2.92	5.43	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7439-92-1	Lead	12.4		1	0.16	0.65	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7439-96-5	Manganese	191		1	0.077	1.09	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7439-97-6	Mercury	0.029		1	0.0070	0.017	mg/Kg	11/04/24 08:00	11/04/24 15:16	SW7471B	
7439-98-7	Molybdenum	0.40	J	1	0.35	10.9	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-02-0	Nickel	13.5		1	0.098	2.17	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7782-49-2	Selenium	0.36	U	1	0.36	1.09	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-22-4	Silver	0.25	J	1	0.057	0.54	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-28-0	Thallium	0.48	U	1	0.48	2.17	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-62-2	Vanadium	39.3		1	0.29	2.17	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050
7440-66-6	Zinc	28.8	N	1	0.12	2.17	mg/Kg	11/04/24 12:15	11/06/24 23:16	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group1				

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-5	SDG No.:	P4675
Lab Sample ID:	P4675-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	18900		1	2.72	5.64	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-36-0	Antimony	0.17	UN	1	0.17	2.82	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-38-2	Arsenic	5.06		1	0.33	1.13	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-39-3	Barium	53.6	N	1	0.72	5.64	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-41-7	Beryllium	0.85		1	0.014	0.34	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-42-8	Boron	8.29	N	1	0.89	5.64	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-43-9	Cadmium	2.53		1	0.018	0.34	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-47-3	Chromium	22.8		1	0.061	0.56	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-48-4	Cobalt	5.52		1	0.065	1.69	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-50-8	Copper	8.13		1	0.53	1.13	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7439-89-6	Iron	23900		1	3.03	5.64	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7439-92-1	Lead	12.3		1	0.17	0.68	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7439-96-5	Manganese	79.5		1	0.080	1.13	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7439-97-6	Mercury	0.074		1	0.0070	0.016	mg/Kg	11/04/24 08:00	11/04/24 15:22	SW7471B	
7439-98-7	Molybdenum	0.36	U	1	0.36	11.3	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-02-0	Nickel	11.1		1	0.10	2.26	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7782-49-2	Selenium	0.37	U	1	0.37	1.13	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-22-4	Silver	0.31	J	1	0.059	0.56	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-28-0	Thallium	0.50	U	1	0.50	2.26	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-62-2	Vanadium	39.1		1	0.31	2.26	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050
7440-66-6	Zinc	25.0	N	1	0.12	2.26	mg/Kg	11/04/24 12:15	11/06/24 23:20	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group1				

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

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Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-6	SDG No.:	P4675
Lab Sample ID:	P4675-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11700		1	2.58	5.35	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-36-0	Antimony	0.16	UN	1	0.16	2.67	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-38-2	Arsenic	4.44		1	0.31	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-39-3	Barium	44.6	N	1	0.69	5.35	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-41-7	Beryllium	0.89		1	0.013	0.32	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-42-8	Boron	6.19	N	1	0.85	5.35	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-43-9	Cadmium	2.62		1	0.017	0.32	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-47-3	Chromium	21.7		1	0.058	0.54	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-48-4	Cobalt	7.34		1	0.062	1.60	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-50-8	Copper	9.59		1	0.50	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7439-89-6	Iron	18900		1	2.88	5.35	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7439-92-1	Lead	8.94		1	0.16	0.64	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7439-96-5	Manganese	172		1	0.076	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7439-97-6	Mercury	0.023		1	0.0070	0.017	mg/Kg	11/04/24 08:00	11/04/24 15:25	SW7471B	
7439-98-7	Molybdenum	0.34	U	1	0.34	10.7	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-02-0	Nickel	13.4		1	0.096	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7782-49-2	Selenium	0.35	U	1	0.35	1.07	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-22-4	Silver	0.27	J	1	0.056	0.54	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-28-0	Thallium	0.47	U	1	0.47	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-62-2	Vanadium	34.7		1	0.29	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050
7440-66-6	Zinc	28.2	N	1	0.12	2.14	mg/Kg	11/04/24 12:15	11/06/24 23:25	SW6010	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group1				

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

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

METAL CALIBRATION DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV68	Mercury	4.12	4.0	103	90 - 110	CV	11/04/2024	14:11	LB133275

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV22	Mercury	5.29	5.0	106	90 - 110	CV	11/04/2024	14:18	LB133275
CCV23	Mercury	5.34	5.0	107	90 - 110	CV	11/04/2024	14:48	LB133275
CCV24	Mercury	5.37	5.0	107	90 - 110	CV	11/04/2024	15:18	LB133275
CCV25	Mercury	5.41	5.0	108	90 - 110	CV	11/04/2024	15:43	LB133275

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2550	2500	102	90 - 110	P	11/06/2024	17:34	LB133323
	Antimony	981	1000	98	90 - 110	P	11/06/2024	17:34	LB133323
	Arsenic	1010	1000	101	90 - 110	P	11/06/2024	17:34	LB133323
	Barium	522	520	100	90 - 110	P	11/06/2024	17:34	LB133323
	Beryllium	520	510	102	90 - 110	P	11/06/2024	17:34	LB133323
	Boron	2400	2500	96	90 - 110	P	11/06/2024	17:34	LB133323
	Cadmium	500	510	98	90 - 110	P	11/06/2024	17:34	LB133323
	Chromium	529	520	102	90 - 110	P	11/06/2024	17:34	LB133323
	Cobalt	506	520	97	90 - 110	P	11/06/2024	17:34	LB133323
	Copper	516	510	101	90 - 110	P	11/06/2024	17:34	LB133323
	Iron	10100	10000	101	90 - 110	P	11/06/2024	17:34	LB133323
	Lead	1000	1000	100	90 - 110	P	11/06/2024	17:34	LB133323
	Manganese	526	520	101	90 - 110	P	11/06/2024	17:34	LB133323
	Molybdenum	2450	2500	98	90 - 110	P	11/06/2024	17:34	LB133323
	Nickel	509	530	96	90 - 110	P	11/06/2024	17:34	LB133323
	Selenium	1010	1000	101	90 - 110	P	11/06/2024	17:34	LB133323
	Silver	258	250	103	90 - 110	P	11/06/2024	17:34	LB133323
	Thallium	1050	1000	105	90 - 110	P	11/06/2024	17:34	LB133323
	Vanadium	503	500	101	90 - 110	P	11/06/2024	17:34	LB133323
	Zinc	1050	1000	104	90 - 110	P	11/06/2024	17:34	LB133323

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	103	100	103	80 - 120	P	11/06/2024	17:38	LB133323
	Antimony	48.9	50.0	98	80 - 120	P	11/06/2024	17:38	LB133323
	Arsenic	19.2	20.0	96	80 - 120	P	11/06/2024	17:38	LB133323
	Barium	104	100	104	80 - 120	P	11/06/2024	17:38	LB133323
	Beryllium	6.08	6.0	101	80 - 120	P	11/06/2024	17:38	LB133323
	Boron	119	100	119	80 - 120	P	11/06/2024	17:38	LB133323
	Cadmium	6.52	6.0	109	80 - 120	P	11/06/2024	17:38	LB133323
	Chromium	9.84	10.0	98	80 - 120	P	11/06/2024	17:38	LB133323
	Cobalt	29.1	30.0	97	80 - 120	P	11/06/2024	17:38	LB133323
	Copper	21.7	20.0	108	80 - 120	P	11/06/2024	17:38	LB133323
	Iron	95.1	100	95	80 - 120	P	11/06/2024	17:38	LB133323
	Lead	12.2	12.0	102	80 - 120	P	11/06/2024	17:38	LB133323
	Manganese	21.2	20.0	106	80 - 120	P	11/06/2024	17:38	LB133323
	Molybdenum	204	200	102	80 - 120	P	11/06/2024	17:38	LB133323
	Nickel	40.6	40.0	102	80 - 120	P	11/06/2024	17:38	LB133323
	Selenium	20.1	20.0	100	80 - 120	P	11/06/2024	17:38	LB133323
	Silver	10.1	10.0	101	80 - 120	P	11/06/2024	17:38	LB133323
	Thallium	41.1	40.0	103	80 - 120	P	11/06/2024	17:38	LB133323
	Vanadium	40.9	40.0	102	80 - 120	P	11/06/2024	17:38	LB133323
	Zinc	44.7	40.0	112	80 - 120	P	11/06/2024	17:38	LB133323

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Antimony	5020	5000	100	90 - 110	P	11/06/2024	18:23	LB133323
	Arsenic	5050	5000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Barium	10300	10000	103	90 - 110	P	11/06/2024	18:23	LB133323
	Beryllium	255	250	102	90 - 110	P	11/06/2024	18:23	LB133323
	Boron	5110	5000	102	90 - 110	P	11/06/2024	18:23	LB133323
	Cadmium	2500	2500	100	90 - 110	P	11/06/2024	18:23	LB133323
	Chromium	1010	1000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Cobalt	2490	2500	100	90 - 110	P	11/06/2024	18:23	LB133323
	Copper	1260	1250	101	90 - 110	P	11/06/2024	18:23	LB133323
	Iron	4970	5000	99	90 - 110	P	11/06/2024	18:23	LB133323
	Lead	5010	5000	100	90 - 110	P	11/06/2024	18:23	LB133323
	Manganese	2540	2500	102	90 - 110	P	11/06/2024	18:23	LB133323
	Molybdenum	5030	5000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Nickel	2500	2500	100	90 - 110	P	11/06/2024	18:23	LB133323
	Selenium	5060	5000	101	90 - 110	P	11/06/2024	18:23	LB133323
	Silver	1250	1250	100	90 - 110	P	11/06/2024	18:23	LB133323
	Thallium	5280	5000	106	90 - 110	P	11/06/2024	18:23	LB133323
	Vanadium	2530	2500	101	90 - 110	P	11/06/2024	18:23	LB133323
	Zinc	2470	2500	99	90 - 110	P	11/06/2024	18:23	LB133323
CCV02	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	18:39	LB133323
	Antimony	4960	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Arsenic	4940	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Barium	10100	10000	101	90 - 110	P	11/06/2024	18:39	LB133323
	Beryllium	256	250	102	90 - 110	P	11/06/2024	18:39	LB133323
	Boron	5110	5000	102	90 - 110	P	11/06/2024	18:39	LB133323
	Cadmium	2480	2500	99	90 - 110	P	11/06/2024	18:39	LB133323
	Chromium	993	1000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Cobalt	2480	2500	99	90 - 110	P	11/06/2024	18:39	LB133323
	Copper	1240	1250	99	90 - 110	P	11/06/2024	18:39	LB133323
	Iron	4880	5000	98	90 - 110	P	11/06/2024	18:39	LB133323
	Lead	4970	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Manganese	2540	2500	102	90 - 110	P	11/06/2024	18:39	LB133323
	Molybdenum	4990	5000	100	90 - 110	P	11/06/2024	18:39	LB133323

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Nickel	2480	2500	99	90 - 110	P	11/06/2024	18:39	LB133323
	Selenium	4960	5000	99	90 - 110	P	11/06/2024	18:39	LB133323
	Silver	1230	1250	99	90 - 110	P	11/06/2024	18:39	LB133323
	Thallium	5160	5000	103	90 - 110	P	11/06/2024	18:39	LB133323
	Vanadium	2530	2500	101	90 - 110	P	11/06/2024	18:39	LB133323
	Zinc	2430	2500	97	90 - 110	P	11/06/2024	18:39	LB133323
CCV03	Aluminum	9900	10000	99	90 - 110	P	11/06/2024	19:32	LB133323
	Antimony	4880	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Arsenic	4870	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Barium	10100	10000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Beryllium	254	250	102	90 - 110	P	11/06/2024	19:32	LB133323
	Boron	5040	5000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Cadmium	2450	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
	Chromium	1010	1000	100	90 - 110	P	11/06/2024	19:32	LB133323
	Cobalt	2450	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
	Copper	1220	1250	98	90 - 110	P	11/06/2024	19:32	LB133323
	Iron	5050	5000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Lead	4910	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Manganese	2510	2500	100	90 - 110	P	11/06/2024	19:32	LB133323
	Molybdenum	4910	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Nickel	2450	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
	Selenium	4880	5000	98	90 - 110	P	11/06/2024	19:32	LB133323
	Silver	1260	1250	101	90 - 110	P	11/06/2024	19:32	LB133323
	Thallium	5030	5000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Vanadium	2490	2500	100	90 - 110	P	11/06/2024	19:32	LB133323
	Zinc	2440	2500	98	90 - 110	P	11/06/2024	19:32	LB133323
CCV04	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	20:22	LB133323
	Antimony	5040	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Arsenic	5070	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Barium	10200	10000	102	90 - 110	P	11/06/2024	20:22	LB133323
	Beryllium	257	250	103	90 - 110	P	11/06/2024	20:22	LB133323
	Boron	5120	5000	102	90 - 110	P	11/06/2024	20:22	LB133323
	Cadmium	2540	2500	102	90 - 110	P	11/06/2024	20:22	LB133323
	Chromium	1010	1000	100	90 - 110	P	11/06/2024	20:22	LB133323

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Cobalt	2530	2500	101	90 - 110	P	11/06/2024	20:22	LB133323
	Copper	1270	1250	102	90 - 110	P	11/06/2024	20:22	LB133323
	Iron	4920	5000	98	90 - 110	P	11/06/2024	20:22	LB133323
	Lead	5080	5000	102	90 - 110	P	11/06/2024	20:22	LB133323
	Manganese	2520	2500	101	90 - 110	P	11/06/2024	20:22	LB133323
	Molybdenum	5070	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Nickel	2540	2500	101	90 - 110	P	11/06/2024	20:22	LB133323
	Selenium	5060	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	Silver	1250	1250	100	90 - 110	P	11/06/2024	20:22	LB133323
	Thallium	5290	5000	106	90 - 110	P	11/06/2024	20:22	LB133323
	Vanadium	2510	2500	100	90 - 110	P	11/06/2024	20:22	LB133323
	Zinc	2450	2500	98	90 - 110	P	11/06/2024	20:22	LB133323
CCV05	Aluminum	10300	10000	103	90 - 110	P	11/06/2024	21:13	LB133323
	Antimony	5050	5000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Arsenic	5070	5000	102	90 - 110	P	11/06/2024	21:13	LB133323
	Barium	10500	10000	105	90 - 110	P	11/06/2024	21:13	LB133323
	Beryllium	265	250	106	90 - 110	P	11/06/2024	21:13	LB133323
	Boron	5280	5000	106	90 - 110	P	11/06/2024	21:13	LB133323
	Cadmium	2570	2500	103	90 - 110	P	11/06/2024	21:13	LB133323
	Chromium	1030	1000	103	90 - 110	P	11/06/2024	21:13	LB133323
	Cobalt	2560	2500	102	90 - 110	P	11/06/2024	21:13	LB133323
	Copper	1270	1250	102	90 - 110	P	11/06/2024	21:13	LB133323
	Iron	5050	5000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Lead	5120	5000	102	90 - 110	P	11/06/2024	21:13	LB133323
	Manganese	2620	2500	105	90 - 110	P	11/06/2024	21:13	LB133323
	Molybdenum	5080	5000	102	90 - 110	P	11/06/2024	21:13	LB133323
	Nickel	2560	2500	102	90 - 110	P	11/06/2024	21:13	LB133323
	Selenium	5060	5000	101	90 - 110	P	11/06/2024	21:13	LB133323
	Silver	1280	1250	102	90 - 110	P	11/06/2024	21:13	LB133323
	Thallium	5270	5000	105	90 - 110	P	11/06/2024	21:13	LB133323
	Vanadium	2590	2500	104	90 - 110	P	11/06/2024	21:13	LB133323
	Zinc	2500	2500	100	90 - 110	P	11/06/2024	21:13	LB133323
CCV06	Aluminum	10100	10000	101	90 - 110	P	11/06/2024	22:11	LB133323
	Antimony	4990	5000	100	90 - 110	P	11/06/2024	22:11	LB133323

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Arsenic	4990	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Barium	10500	10000	104	90 - 110	P	11/06/2024	22:11	LB133323
	Beryllium	262	250	105	90 - 110	P	11/06/2024	22:11	LB133323
	Boron	5240	5000	105	90 - 110	P	11/06/2024	22:11	LB133323
	Cadmium	2510	2500	100	90 - 110	P	11/06/2024	22:11	LB133323
	Chromium	1010	1000	101	90 - 110	P	11/06/2024	22:11	LB133323
	Cobalt	2510	2500	100	90 - 110	P	11/06/2024	22:11	LB133323
	Copper	1250	1250	100	90 - 110	P	11/06/2024	22:11	LB133323
	Iron	4880	5000	98	90 - 110	P	11/06/2024	22:11	LB133323
	Lead	5030	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Manganese	2530	2500	101	90 - 110	P	11/06/2024	22:11	LB133323
	Molybdenum	5030	5000	101	90 - 110	P	11/06/2024	22:11	LB133323
	Nickel	2510	2500	100	90 - 110	P	11/06/2024	22:11	LB133323
	Selenium	4990	5000	100	90 - 110	P	11/06/2024	22:11	LB133323
	Silver	1250	1250	100	90 - 110	P	11/06/2024	22:11	LB133323
	Thallium	5210	5000	104	90 - 110	P	11/06/2024	22:11	LB133323
	Vanadium	2520	2500	101	90 - 110	P	11/06/2024	22:11	LB133323
	Zinc	2270	2500	91	90 - 110	P	11/06/2024	22:11	LB133323
CCV07	Aluminum	10200	10000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Antimony	5020	5000	100	90 - 110	P	11/06/2024	23:03	LB133323
	Arsenic	5020	5000	100	90 - 110	P	11/06/2024	23:03	LB133323
	Barium	10600	10000	106	90 - 110	P	11/06/2024	23:03	LB133323
	Beryllium	274	250	110	90 - 110	P	11/06/2024	23:03	LB133323
	Boron	5430	5000	109	90 - 110	P	11/06/2024	23:03	LB133323
	Cadmium	2550	2500	102	90 - 110	P	11/06/2024	23:03	LB133323
	Chromium	1040	1000	104	90 - 110	P	11/06/2024	23:03	LB133323
	Cobalt	2540	2500	102	90 - 110	P	11/06/2024	23:03	LB133323
	Copper	1260	1250	101	90 - 110	P	11/06/2024	23:03	LB133323
	Iron	5090	5000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Lead	5100	5000	102	90 - 110	P	11/06/2024	23:03	LB133323
	Manganese	2600	2500	104	90 - 110	P	11/06/2024	23:03	LB133323
	Molybdenum	5070	5000	101	90 - 110	P	11/06/2024	23:03	LB133323
	Nickel	2550	2500	102	90 - 110	P	11/06/2024	23:03	LB133323
	Selenium	5020	5000	100	90 - 110	P	11/06/2024	23:03	LB133323

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1300	1250	104	90 - 110	P	11/06/2024	23:03	LB133323
	Thallium	5240	5000	105	90 - 110	P	11/06/2024	23:03	LB133323
	Vanadium	2560	2500	103	90 - 110	P	11/06/2024	23:03	LB133323
	Zinc	2340	2500	94	90 - 110	P	11/06/2024	23:03	LB133323
CCV08	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	23:59	LB133323
	Antimony	4940	5000	99	90 - 110	P	11/06/2024	23:59	LB133323
	Arsenic	4970	5000	99	90 - 110	P	11/06/2024	23:59	LB133323
	Barium	10400	10000	104	90 - 110	P	11/06/2024	23:59	LB133323
	Beryllium	270	250	108	90 - 110	P	11/06/2024	23:59	LB133323
	Boron	5360	5000	107	90 - 110	P	11/06/2024	23:59	LB133323
	Cadmium	2520	2500	101	90 - 110	P	11/06/2024	23:59	LB133323
	Chromium	1020	1000	102	90 - 110	P	11/06/2024	23:59	LB133323
	Cobalt	2510	2500	100	90 - 110	P	11/06/2024	23:59	LB133323
	Copper	1240	1250	100	90 - 110	P	11/06/2024	23:59	LB133323
	Iron	4890	5000	98	90 - 110	P	11/06/2024	23:59	LB133323
	Lead	5040	5000	101	90 - 110	P	11/06/2024	23:59	LB133323
	Manganese	2570	2500	103	90 - 110	P	11/06/2024	23:59	LB133323
	Molybdenum	4980	5000	100	90 - 110	P	11/06/2024	23:59	LB133323
	Nickel	2510	2500	101	90 - 110	P	11/06/2024	23:59	LB133323
	Selenium	4950	5000	99	90 - 110	P	11/06/2024	23:59	LB133323
	Silver	1260	1250	101	90 - 110	P	11/06/2024	23:59	LB133323
	Thallium	5090	5000	102	90 - 110	P	11/06/2024	23:59	LB133323
	Vanadium	2530	2500	101	90 - 110	P	11/06/2024	23:59	LB133323
	Zinc	2400	2500	96	90 - 110	P	11/06/2024	23:59	LB133323
CCV09	Aluminum	9840	10000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Antimony	4890	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Arsenic	4880	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Barium	10100	10000	101	90 - 110	P	11/07/2024	00:53	LB133323
	Beryllium	260	250	104	90 - 110	P	11/07/2024	00:53	LB133323
	Boron	5170	5000	104	90 - 110	P	11/07/2024	00:53	LB133323
	Cadmium	2450	2500	98	90 - 110	P	11/07/2024	00:53	LB133323
	Chromium	997	1000	100	90 - 110	P	11/07/2024	00:53	LB133323
	Cobalt	2440	2500	98	90 - 110	P	11/07/2024	00:53	LB133323
	Copper	1220	1250	98	90 - 110	P	11/07/2024	00:53	LB133323

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV09	Iron	4930	5000	99	90 - 110	P	11/07/2024	00:53	LB133323
	Lead	4900	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Manganese	2510	2500	100	90 - 110	P	11/07/2024	00:53	LB133323
	Molybdenum	4910	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Nickel	2450	2500	98	90 - 110	P	11/07/2024	00:53	LB133323
	Selenium	4890	5000	98	90 - 110	P	11/07/2024	00:53	LB133323
	Silver	1250	1250	100	90 - 110	P	11/07/2024	00:53	LB133323
	Thallium	4980	5000	100	90 - 110	P	11/07/2024	00:53	LB133323
	Vanadium	2500	2500	100	90 - 110	P	11/07/2024	00:53	LB133323
	Zinc	2370	2500	95	90 - 110	P	11/07/2024	00:53	LB133323
CCV10	Aluminum	10100	10000	101	90 - 110	P	11/07/2024	01:49	LB133323
	Antimony	4760	5000	95	90 - 110	P	11/07/2024	01:49	LB133323
	Arsenic	4860	5000	97	90 - 110	P	11/07/2024	01:49	LB133323
	Barium	10100	10000	101	90 - 110	P	11/07/2024	01:49	LB133323
	Beryllium	245	250	98	90 - 110	P	11/07/2024	01:49	LB133323
	Boron	4510	5000	90	90 - 110	P	11/07/2024	01:49	LB133323
	Cadmium	2660	2500	106	90 - 110	P	11/07/2024	01:49	LB133323
	Chromium	1080	1000	108	90 - 110	P	11/07/2024	01:49	LB133323
	Cobalt	2610	2500	104	90 - 110	P	11/07/2024	01:49	LB133323
	Copper	1220	1250	98	90 - 110	P	11/07/2024	01:49	LB133323
	Iron	4960	5000	99	90 - 110	P	11/07/2024	01:49	LB133323
	Lead	5270	5000	105	90 - 110	P	11/07/2024	01:49	LB133323
	Manganese	2710	2500	108	90 - 110	P	11/07/2024	01:49	LB133323
	Molybdenum	4970	5000	99	90 - 110	P	11/07/2024	01:49	LB133323
	Nickel	2620	2500	105	90 - 110	P	11/07/2024	01:49	LB133323
	Selenium	4770	5000	95	90 - 110	P	11/07/2024	01:49	LB133323
	Silver	1300	1250	104	90 - 110	P	11/07/2024	01:49	LB133323
	Thallium	5290	5000	106	90 - 110	P	11/07/2024	01:49	LB133323
	Vanadium	2640	2500	106	90 - 110	P	11/07/2024	01:49	LB133323
	Zinc	2540	2500	102	90 - 110	P	11/07/2024	01:49	LB133323

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	2590	2500	104	90 - 110	P	11/07/2024	13:49	LB133344
	Antimony	1010	1000	101	90 - 110	P	11/07/2024	13:49	LB133344
	Arsenic	1030	1000	103	90 - 110	P	11/07/2024	13:49	LB133344
	Barium	521	520	100	90 - 110	P	11/07/2024	13:49	LB133344
	Beryllium	515	510	101	90 - 110	P	11/07/2024	13:49	LB133344
	Boron	2340	2500	94	90 - 110	P	11/07/2024	13:49	LB133344
	Cadmium	509	510	100	90 - 110	P	11/07/2024	13:49	LB133344
	Chromium	531	520	102	90 - 110	P	11/07/2024	13:49	LB133344
	Cobalt	516	520	99	90 - 110	P	11/07/2024	13:49	LB133344
	Copper	531	510	104	90 - 110	P	11/07/2024	13:49	LB133344
	Iron	9990	10000	100	90 - 110	P	11/07/2024	13:49	LB133344
	Lead	1020	1000	102	90 - 110	P	11/07/2024	13:49	LB133344
	Manganese	526	520	101	90 - 110	P	11/07/2024	13:49	LB133344
	Molybdenum	2460	2500	98	90 - 110	P	11/07/2024	13:49	LB133344
	Nickel	518	530	98	90 - 110	P	11/07/2024	13:49	LB133344
	Selenium	1040	1000	104	90 - 110	P	11/07/2024	13:49	LB133344
	Silver	256	250	102	90 - 110	P	11/07/2024	13:49	LB133344
	Thallium	1100	1000	110	90 - 110	P	11/07/2024	13:49	LB133344
	Vanadium	507	500	101	90 - 110	P	11/07/2024	13:49	LB133344
	Zinc	1050	1000	105	90 - 110	P	11/07/2024	13:49	LB133344

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	103	100	103	80 - 120	P	11/07/2024	14:23	LB133344
	Antimony	50.8	50.0	102	80 - 120	P	11/07/2024	14:23	LB133344
	Arsenic	18.0	20.0	90	80 - 120	P	11/07/2024	14:23	LB133344
	Barium	100	100	100	80 - 120	P	11/07/2024	14:23	LB133344
	Beryllium	5.93	6.0	99	80 - 120	P	11/07/2024	14:23	LB133344
	Boron	104	100	104	80 - 120	P	11/07/2024	14:23	LB133344
	Cadmium	6.52	6.0	109	80 - 120	P	11/07/2024	14:23	LB133344
	Chromium	9.52	10.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Cobalt	29.4	30.0	98	80 - 120	P	11/07/2024	14:23	LB133344
	Copper	22.7	20.0	114	80 - 120	P	11/07/2024	14:23	LB133344
	Iron	96.8	100	97	80 - 120	P	11/07/2024	14:23	LB133344
	Lead	11.4	12.0	95	80 - 120	P	11/07/2024	14:23	LB133344
	Manganese	20.2	20.0	101	80 - 120	P	11/07/2024	14:23	LB133344
	Molybdenum	214	200	107	80 - 120	P	11/07/2024	14:23	LB133344
	Nickel	38.5	40.0	96	80 - 120	P	11/07/2024	14:23	LB133344
	Selenium	20.8	20.0	104	80 - 120	P	11/07/2024	14:23	LB133344
	Silver	10.8	10.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Thallium	43.4	40.0	108	80 - 120	P	11/07/2024	14:23	LB133344
	Vanadium	40.8	40.0	102	80 - 120	P	11/07/2024	14:23	LB133344
	Zinc	42.0	40.0	105	80 - 120	P	11/07/2024	14:23	LB133344

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10000	10000	100	90 - 110	P	11/07/2024	15:01	LB133344
	Antimony	5120	5000	102	90 - 110	P	11/07/2024	15:01	LB133344
	Arsenic	5040	5000	101	90 - 110	P	11/07/2024	15:01	LB133344
	Barium	9710	10000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Beryllium	239	250	96	90 - 110	P	11/07/2024	15:01	LB133344
	Boron	4780	5000	96	90 - 110	P	11/07/2024	15:01	LB133344
	Cadmium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Chromium	992	1000	99	90 - 110	P	11/07/2024	15:01	LB133344
	Cobalt	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	15:01	LB133344
	Iron	4870	5000	97	90 - 110	P	11/07/2024	15:01	LB133344
	Lead	4920	5000	98	90 - 110	P	11/07/2024	15:01	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	15:01	LB133344
	Molybdenum	5120	5000	102	90 - 110	P	11/07/2024	15:01	LB133344
	Nickel	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Selenium	5150	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	15:01	LB133344
	Thallium	5140	5000	103	90 - 110	P	11/07/2024	15:01	LB133344
	Vanadium	2450	2500	98	90 - 110	P	11/07/2024	15:01	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	15:01	LB133344
CCV02	Aluminum	9620	10000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Antimony	5030	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Arsenic	4950	5000	99	90 - 110	P	11/07/2024	15:53	LB133344
	Barium	9390	10000	94	90 - 110	P	11/07/2024	15:53	LB133344
	Beryllium	231	250	92	90 - 110	P	11/07/2024	15:53	LB133344
	Boron	4640	5000	93	90 - 110	P	11/07/2024	15:53	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Cobalt	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	15:53	LB133344
	Iron	4810	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/07/2024	15:53	LB133344
	Molybdenum	5000	5000	100	90 - 110	P	11/07/2024	15:53	LB133344

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Nickel	2390	2500	96	90 - 110	P	11/07/2024	15:53	LB133344
	Selenium	5050	5000	101	90 - 110	P	11/07/2024	15:53	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	15:53	LB133344
	Thallium	4850	5000	97	90 - 110	P	11/07/2024	15:53	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/07/2024	15:53	LB133344
	Zinc	2480	2500	99	90 - 110	P	11/07/2024	15:53	LB133344
CCV03	Aluminum	10100	10000	101	90 - 110	P	11/07/2024	16:45	LB133344
	Antimony	5250	5000	105	90 - 110	P	11/07/2024	16:45	LB133344
	Arsenic	5190	5000	104	90 - 110	P	11/07/2024	16:45	LB133344
	Barium	9850	10000	98	90 - 110	P	11/07/2024	16:45	LB133344
	Beryllium	235	250	94	90 - 110	P	11/07/2024	16:45	LB133344
	Boron	4730	5000	94	90 - 110	P	11/07/2024	16:45	LB133344
	Cadmium	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Chromium	993	1000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Cobalt	2470	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	16:45	LB133344
	Iron	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Lead	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	16:45	LB133344
	Molybdenum	5220	5000	104	90 - 110	P	11/07/2024	16:45	LB133344
	Nickel	2480	2500	99	90 - 110	P	11/07/2024	16:45	LB133344
	Selenium	5320	5000	106	90 - 110	P	11/07/2024	16:45	LB133344
	Silver	1240	1250	100	90 - 110	P	11/07/2024	16:45	LB133344
	Thallium	5400	5000	108	90 - 110	P	11/07/2024	16:45	LB133344
	Vanadium	2460	2500	98	90 - 110	P	11/07/2024	16:45	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	16:45	LB133344
CCV04	Aluminum	10200	10000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Antimony	5280	5000	106	90 - 110	P	11/07/2024	17:56	LB133344
	Arsenic	5210	5000	104	90 - 110	P	11/07/2024	17:56	LB133344
	Barium	9810	10000	98	90 - 110	P	11/07/2024	17:56	LB133344
	Beryllium	242	250	97	90 - 110	P	11/07/2024	17:56	LB133344
	Boron	4820	5000	96	90 - 110	P	11/07/2024	17:56	LB133344
	Cadmium	2500	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Chromium	1020	1000	102	90 - 110	P	11/07/2024	17:56	LB133344

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Cobalt	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Copper	1300	1250	104	90 - 110	P	11/07/2024	17:56	LB133344
	Iron	4980	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Lead	5010	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
	Manganese	2370	2500	95	90 - 110	P	11/07/2024	17:56	LB133344
	Molybdenum	5290	5000	106	90 - 110	P	11/07/2024	17:56	LB133344
	Nickel	2490	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
	Selenium	5390	5000	108	90 - 110	P	11/07/2024	17:56	LB133344
	Silver	1260	1250	101	90 - 110	P	11/07/2024	17:56	LB133344
	Thallium	5070	5000	102	90 - 110	P	11/07/2024	17:56	LB133344
	Vanadium	2490	2500	99	90 - 110	P	11/07/2024	17:56	LB133344
	Zinc	2510	2500	100	90 - 110	P	11/07/2024	17:56	LB133344
CCV05	Aluminum	10000	10000	100	90 - 110	P	11/07/2024	18:32	LB133344
	Antimony	5190	5000	104	90 - 110	P	11/07/2024	18:32	LB133344
	Arsenic	5120	5000	102	90 - 110	P	11/07/2024	18:32	LB133344
	Barium	9790	10000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Beryllium	236	250	94	90 - 110	P	11/07/2024	18:32	LB133344
	Boron	4740	5000	95	90 - 110	P	11/07/2024	18:32	LB133344
	Cadmium	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Chromium	988	1000	99	90 - 110	P	11/07/2024	18:32	LB133344
	Cobalt	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Copper	1280	1250	102	90 - 110	P	11/07/2024	18:32	LB133344
	Iron	4910	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Lead	4880	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
	Manganese	2350	2500	94	90 - 110	P	11/07/2024	18:32	LB133344
	Molybdenum	5180	5000	104	90 - 110	P	11/07/2024	18:32	LB133344
	Nickel	2430	2500	97	90 - 110	P	11/07/2024	18:32	LB133344
	Selenium	5290	5000	106	90 - 110	P	11/07/2024	18:32	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	18:32	LB133344
	Thallium	5000	5000	100	90 - 110	P	11/07/2024	18:32	LB133344
	Vanadium	2440	2500	98	90 - 110	P	11/07/2024	18:32	LB133344
	Zinc	2500	2500	100	90 - 110	P	11/07/2024	18:32	LB133344
CCV06	Aluminum	9950	10000	100	90 - 110	P	11/07/2024	19:08	LB133344
	Antimony	5160	5000	103	90 - 110	P	11/07/2024	19:08	LB133344

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV06	Arsenic	5110	5000	102	90 - 110	P	11/07/2024	19:08	LB133344
	Barium	9640	10000	96	90 - 110	P	11/07/2024	19:08	LB133344
	Beryllium	238	250	95	90 - 110	P	11/07/2024	19:08	LB133344
	Boron	4740	5000	95	90 - 110	P	11/07/2024	19:08	LB133344
	Cadmium	2460	2500	99	90 - 110	P	11/07/2024	19:08	LB133344
	Chromium	994	1000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Cobalt	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	19:08	LB133344
	Iron	4870	5000	97	90 - 110	P	11/07/2024	19:08	LB133344
	Lead	4930	5000	99	90 - 110	P	11/07/2024	19:08	LB133344
	Manganese	2330	2500	93	90 - 110	P	11/07/2024	19:08	LB133344
	Molybdenum	5190	5000	104	90 - 110	P	11/07/2024	19:08	LB133344
	Nickel	2460	2500	98	90 - 110	P	11/07/2024	19:08	LB133344
	Selenium	5260	5000	105	90 - 110	P	11/07/2024	19:08	LB133344
	Silver	1240	1250	99	90 - 110	P	11/07/2024	19:08	LB133344
	Thallium	5060	5000	101	90 - 110	P	11/07/2024	19:08	LB133344
	Vanadium	2430	2500	97	90 - 110	P	11/07/2024	19:08	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:08	LB133344
CCV07	Aluminum	9840	10000	98	90 - 110	P	11/07/2024	19:58	LB133344
	Antimony	5160	5000	103	90 - 110	P	11/07/2024	19:58	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	19:58	LB133344
	Barium	9400	10000	94	90 - 110	P	11/07/2024	19:58	LB133344
	Beryllium	232	250	93	90 - 110	P	11/07/2024	19:58	LB133344
	Boron	4620	5000	92	90 - 110	P	11/07/2024	19:58	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/07/2024	19:58	LB133344
	Chromium	986	1000	99	90 - 110	P	11/07/2024	19:58	LB133344
	Cobalt	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Copper	1270	1250	101	90 - 110	P	11/07/2024	19:58	LB133344
	Iron	4800	5000	96	90 - 110	P	11/07/2024	19:58	LB133344
	Lead	4850	5000	97	90 - 110	P	11/07/2024	19:58	LB133344
	Manganese	2270	2500	91	90 - 110	P	11/07/2024	19:58	LB133344
	Molybdenum	5160	5000	103	90 - 110	P	11/07/2024	19:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Selenium	5270	5000	105	90 - 110	P	11/07/2024	19:58	LB133344

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1230	1250	98	90 - 110	P	11/07/2024	19:58	LB133344
	Thallium	4910	5000	98	90 - 110	P	11/07/2024	19:58	LB133344
	Vanadium	2400	2500	96	90 - 110	P	11/07/2024	19:58	LB133344
	Zinc	2490	2500	100	90 - 110	P	11/07/2024	19:58	LB133344
CCV08	Aluminum	9850	10000	98	90 - 110	P	11/07/2024	20:58	LB133344
	Antimony	5180	5000	104	90 - 110	P	11/07/2024	20:58	LB133344
	Arsenic	5100	5000	102	90 - 110	P	11/07/2024	20:58	LB133344
	Barium	9480	10000	95	90 - 110	P	11/07/2024	20:58	LB133344
	Beryllium	234	250	94	90 - 110	P	11/07/2024	20:58	LB133344
	Boron	4670	5000	94	90 - 110	P	11/07/2024	20:58	LB133344
	Cadmium	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Chromium	989	1000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Cobalt	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Copper	1270	1250	102	90 - 110	P	11/07/2024	20:58	LB133344
	Iron	4890	5000	98	90 - 110	P	11/07/2024	20:58	LB133344
	Lead	4840	5000	97	90 - 110	P	11/07/2024	20:58	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/07/2024	20:58	LB133344
	Molybdenum	5170	5000	103	90 - 110	P	11/07/2024	20:58	LB133344
	Nickel	2410	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Selenium	5290	5000	106	90 - 110	P	11/07/2024	20:58	LB133344
	Silver	1250	1250	100	90 - 110	P	11/07/2024	20:58	LB133344
	Thallium	4970	5000	99	90 - 110	P	11/07/2024	20:58	LB133344
	Vanadium	2390	2500	96	90 - 110	P	11/07/2024	20:58	LB133344
	Zinc	2530	2500	101	90 - 110	P	11/07/2024	20:58	LB133344
CCV09	Aluminum	9720	10000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Antimony	5100	5000	102	90 - 110	P	11/07/2024	21:51	LB133344
	Arsenic	5030	5000	100	90 - 110	P	11/07/2024	21:51	LB133344
	Barium	9510	10000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Beryllium	231	250	92	90 - 110	P	11/07/2024	21:51	LB133344
	Boron	4620	5000	92	90 - 110	P	11/07/2024	21:51	LB133344
	Cadmium	2390	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Chromium	966	1000	97	90 - 110	P	11/07/2024	21:51	LB133344
	Cobalt	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	21:51	LB133344

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV09	Iron	4750	5000	95	90 - 110	P	11/07/2024	21:51	LB133344
	Lead	4780	5000	96	90 - 110	P	11/07/2024	21:51	LB133344
	Manganese	2250	2500	90	90 - 110	P	11/07/2024	21:51	LB133344
	Molybdenum	5080	5000	102	90 - 110	P	11/07/2024	21:51	LB133344
	Nickel	2380	2500	95	90 - 110	P	11/07/2024	21:51	LB133344
	Selenium	5170	5000	103	90 - 110	P	11/07/2024	21:51	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	21:51	LB133344
	Thallium	5380	5000	108	90 - 110	P	11/07/2024	21:51	LB133344
	Vanadium	2360	2500	94	90 - 110	P	11/07/2024	21:51	LB133344
	Zinc	2670	2500	107	90 - 110	P	11/07/2024	21:51	LB133344
CCV10	Aluminum	9650	10000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Antimony	5080	5000	102	90 - 110	P	11/07/2024	22:52	LB133344
	Arsenic	5000	5000	100	90 - 110	P	11/07/2024	22:52	LB133344
	Barium	9460	10000	95	90 - 110	P	11/07/2024	22:52	LB133344
	Beryllium	255	250	102	90 - 110	P	11/07/2024	22:52	LB133344
	Boron	4530	5000	91	90 - 110	P	11/07/2024	22:52	LB133344
	Cadmium	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Chromium	963	1000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Cobalt	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Copper	1240	1250	99	90 - 110	P	11/07/2024	22:52	LB133344
	Iron	4790	5000	96	90 - 110	P	11/07/2024	22:52	LB133344
	Lead	4710	5000	94	90 - 110	P	11/07/2024	22:52	LB133344
	Manganese	2500	2500	100	90 - 110	P	11/07/2024	22:52	LB133344
	Molybdenum	5030	5000	101	90 - 110	P	11/07/2024	22:52	LB133344
	Nickel	2340	2500	94	90 - 110	P	11/07/2024	22:52	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	22:52	LB133344
	Silver	1220	1250	98	90 - 110	P	11/07/2024	22:52	LB133344
	Thallium	5290	5000	106	90 - 110	P	11/07/2024	22:52	LB133344
	Vanadium	2320	2500	93	90 - 110	P	11/07/2024	22:52	LB133344
	Zinc	2400	2500	96	90 - 110	P	11/07/2024	22:52	LB133344
CCV11	Aluminum	9750	10000	98	90 - 110	P	11/07/2024	23:43	LB133344
	Antimony	5100	5000	102	90 - 110	P	11/07/2024	23:43	LB133344
	Arsenic	5020	5000	100	90 - 110	P	11/07/2024	23:43	LB133344
	Barium	9690	10000	97	90 - 110	P	11/07/2024	23:43	LB133344

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV11	Beryllium	234	250	93	90 - 110	P	11/07/2024	23:43	LB133344
	Boron	4700	5000	94	90 - 110	P	11/07/2024	23:43	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/07/2024	23:43	LB133344
	Chromium	962	1000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Cobalt	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Copper	1250	1250	100	90 - 110	P	11/07/2024	23:43	LB133344
	Iron	4730	5000	94	90 - 110	P	11/07/2024	23:43	LB133344
	Lead	4800	5000	96	90 - 110	P	11/07/2024	23:43	LB133344
	Manganese	2290	2500	92	90 - 110	P	11/07/2024	23:43	LB133344
	Molybdenum	5080	5000	102	90 - 110	P	11/07/2024	23:43	LB133344
	Nickel	2390	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Selenium	5160	5000	103	90 - 110	P	11/07/2024	23:43	LB133344
	Silver	1210	1250	97	90 - 110	P	11/07/2024	23:43	LB133344
	Thallium	5350	5000	107	90 - 110	P	11/07/2024	23:43	LB133344
	Vanadium	2370	2500	95	90 - 110	P	11/07/2024	23:43	LB133344
	Zinc	2430	2500	97	90 - 110	P	11/07/2024	23:43	LB133344
CCV12	Aluminum	9840	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Antimony	5240	5000	105	90 - 110	P	11/08/2024	00:39	LB133344
	Arsenic	5150	5000	103	90 - 110	P	11/08/2024	00:39	LB133344
	Barium	9830	10000	98	90 - 110	P	11/08/2024	00:39	LB133344
	Beryllium	228	250	91	90 - 110	P	11/08/2024	00:39	LB133344
	Boron	4630	5000	93	90 - 110	P	11/08/2024	00:39	LB133344
	Cadmium	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Chromium	965	1000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Cobalt	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Copper	1280	1250	102	90 - 110	P	11/08/2024	00:39	LB133344
	Iron	4790	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Lead	4820	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
	Manganese	2260	2500	90	90 - 110	P	11/08/2024	00:39	LB133344
	Molybdenum	5170	5000	103	90 - 110	P	11/08/2024	00:39	LB133344
	Nickel	2390	2500	96	90 - 110	P	11/08/2024	00:39	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:39	LB133344
	Silver	1230	1250	98	90 - 110	P	11/08/2024	00:39	LB133344
	Thallium	5270	5000	105	90 - 110	P	11/08/2024	00:39	LB133344

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV12	Vanadium	2370	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
	Zinc	2380	2500	95	90 - 110	P	11/08/2024	00:39	LB133344
CCV13	Aluminum	9910	10000	99	90 - 110	P	11/08/2024	00:57	LB133344
	Antimony	5250	5000	105	90 - 110	P	11/08/2024	00:57	LB133344
	Arsenic	5160	5000	103	90 - 110	P	11/08/2024	00:57	LB133344
	Barium	9650	10000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Beryllium	233	250	93	90 - 110	P	11/08/2024	00:57	LB133344
	Boron	4710	5000	94	90 - 110	P	11/08/2024	00:57	LB133344
	Cadmium	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Chromium	980	1000	98	90 - 110	P	11/08/2024	00:57	LB133344
	Cobalt	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Copper	1290	1250	103	90 - 110	P	11/08/2024	00:57	LB133344
	Iron	4780	5000	96	90 - 110	P	11/08/2024	00:57	LB133344
	Lead	4870	5000	97	90 - 110	P	11/08/2024	00:57	LB133344
	Manganese	2280	2500	91	90 - 110	P	11/08/2024	00:57	LB133344
	Molybdenum	5210	5000	104	90 - 110	P	11/08/2024	00:57	LB133344
	Nickel	2420	2500	97	90 - 110	P	11/08/2024	00:57	LB133344
	Selenium	5340	5000	107	90 - 110	P	11/08/2024	00:57	LB133344
	Silver	1230	1250	99	90 - 110	P	11/08/2024	00:57	LB133344
	Thallium	5410	5000	108	90 - 110	P	11/08/2024	00:57	LB133344
	Vanadium	2390	2500	96	90 - 110	P	11/08/2024	00:57	LB133344
	Zinc	2470	2500	99	90 - 110	P	11/08/2024	00:57	LB133344

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.21	0.2	105	40 - 160	CV	11/04/2024	14:25	LB133275
CRI01	Aluminum	101	100	101	40 - 160	P	11/06/2024	18:04	LB133323
	Antimony	49.9	50.0	100	40 - 160	P	11/06/2024	18:04	LB133323
	Arsenic	20.3	20.0	102	40 - 160	P	11/06/2024	18:04	LB133323
	Barium	106	100	106	40 - 160	P	11/06/2024	18:04	LB133323
	Beryllium	6.12	6.0	102	40 - 160	P	11/06/2024	18:04	LB133323
	Boron	110	100	110	40 - 160	P	11/06/2024	18:04	LB133323
	Cadmium	6.64	6.0	111	40 - 160	P	11/06/2024	18:04	LB133323
	Chromium	9.93	10.0	99	40 - 160	P	11/06/2024	18:04	LB133323
	Cobalt	29.6	30.0	99	40 - 160	P	11/06/2024	18:04	LB133323
	Copper	21.9	20.0	109	40 - 160	P	11/06/2024	18:04	LB133323
	Iron	76.9	100	77	40 - 160	P	11/06/2024	18:04	LB133323
	Lead	11.2	12.0	94	40 - 160	P	11/06/2024	18:04	LB133323
	Manganese	21.2	20.0	106	40 - 160	P	11/06/2024	18:04	LB133323
	Molybdenum	205	200	102	40 - 160	P	11/06/2024	18:04	LB133323
	Nickel	39.4	40.0	99	40 - 160	P	11/06/2024	18:04	LB133323
	Selenium	19.9	20.0	99	40 - 160	P	11/06/2024	18:04	LB133323
	Silver	10.5	10.0	105	40 - 160	P	11/06/2024	18:04	LB133323
	Thallium	41.9	40.0	105	40 - 160	P	11/06/2024	18:04	LB133323
	Vanadium	41.8	40.0	104	40 - 160	P	11/06/2024	18:04	LB133323
	Zinc	40.8	40.0	102	40 - 160	P	11/06/2024	18:04	LB133323
CRI01	Aluminum	106	100	106	40 - 160	P	11/07/2024	14:42	LB133344
	Antimony	51.9	50.0	104	40 - 160	P	11/07/2024	14:42	LB133344
	Arsenic	19.9	20.0	99	40 - 160	P	11/07/2024	14:42	LB133344
	Barium	99.8	100	100	40 - 160	P	11/07/2024	14:42	LB133344
	Beryllium	5.88	6.0	98	40 - 160	P	11/07/2024	14:42	LB133344
	Boron	102	100	102	40 - 160	P	11/07/2024	14:42	LB133344
	Cadmium	6.45	6.0	108	40 - 160	P	11/07/2024	14:42	LB133344
	Chromium	9.25	10.0	92	40 - 160	P	11/07/2024	14:42	LB133344
	Cobalt	29.3	30.0	98	40 - 160	P	11/07/2024	14:42	LB133344
	Copper	22.5	20.0	112	40 - 160	P	11/07/2024	14:42	LB133344
	Iron	95.5	100	96	40 - 160	P	11/07/2024	14:42	LB133344
	Lead	11.3	12.0	94	40 - 160	P	11/07/2024	14:42	LB133344
	Manganese	20.5	20.0	102	40 - 160	P	11/07/2024	14:42	LB133344
	Molybdenum	213	200	107	40 - 160	P	11/07/2024	14:42	LB133344

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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Nickel	38.8	40.0	97	40 - 160	P	11/07/2024	14:42	LB133344
	Selenium	18.8	20.0	94	40 - 160	P	11/07/2024	14:42	LB133344
	Silver	10.7	10.0	107	40 - 160	P	11/07/2024	14:42	LB133344
	Thallium	41.6	40.0	104	40 - 160	P	11/07/2024	14:42	LB133344
	Vanadium	40.4	40.0	101	40 - 160	P	11/07/2024	14:42	LB133344
	Zinc	41.4	40.0	104	40 - 160	P	11/07/2024	14:42	LB133344

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB68	Mercury	0.20	+/-0.20	U	0.20	CV	11/04/2024	14:16	LB133275

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB22	Mercury	0.20	+/-0.20	U	0.20	CV	11/04/2024	14:23	LB133275
CCB23	Mercury	0.20	+/-0.20	U	0.20	CV	11/04/2024	14:53	LB133275
CCB24	Mercury	0.20	+/-0.20	U	0.20	CV	11/04/2024	15:20	LB133275
CCB25	Mercury	0.20	+/-0.20	U	0.20	CV	11/04/2024	15:45	LB133275

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/06/2024	17:43	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	17:43	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	17:43	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	17:43	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	17:43	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	17:43	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	17:43	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	17:43	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	17:43	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	17:43	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	17:43	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	17:43	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	17:43	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	17:43	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	17:43	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	17:43	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	17:43	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	17:43	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	17:43	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	17:43	LB133323

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/06/2024	18:27	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	18:27	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	18:27	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	18:27	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	18:27	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	18:27	LB133323
	Cadmium	0.21	+/-6.00	J	6.00	P	11/06/2024	18:27	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	18:27	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	18:27	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	18:27	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	18:27	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	18:27	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	18:27	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	18:27	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	18:27	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	18:27	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	18:27	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	18:27	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	18:27	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	18:27	LB133323
CCB02	Aluminum	100	+/-100	U	100	P	11/06/2024	18:44	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	18:44	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	18:44	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	18:44	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	18:44	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	18:44	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	18:44	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	18:44	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	18:44	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	18:44	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	18:44	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	18:44	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	18:44	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	18:44	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	18:44	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	18:44	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	18:44	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	18:44	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	18:44	LB133323

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	18:44	LB133323
CCB03	Aluminum	100	+/-100	U	100	P	11/06/2024	19:36	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	19:36	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	19:36	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	19:36	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	19:36	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	19:36	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	19:36	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	19:36	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	19:36	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	19:36	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	19:36	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	19:36	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	19:36	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	19:36	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	19:36	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	19:36	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	19:36	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	19:36	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	19:36	LB133323
	Zinc	23.7	+/-40.0	J	40.0	P	11/06/2024	19:36	LB133323
CCB04	Aluminum	100	+/-100	U	100	P	11/06/2024	20:26	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	20:26	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	20:26	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	20:26	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	20:26	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	20:26	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	20:26	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	20:26	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	20:26	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	20:26	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	20:26	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	20:26	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	20:26	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	20:26	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	20:26	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	20:26	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	20:26	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	20:26	LB133323

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	20:26	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	20:26	LB133323
CCB05	Aluminum	100	+/-100	U	100	P	11/06/2024	21:17	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	21:17	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	21:17	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	21:17	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	21:17	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	21:17	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	21:17	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	21:17	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	21:17	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	21:17	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	21:17	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	21:17	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	21:17	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	21:17	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	21:17	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	21:17	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	21:17	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	21:17	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	21:17	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	21:17	LB133323
CCB06	Aluminum	100	+/-100	U	100	P	11/06/2024	22:15	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	22:15	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	22:15	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	22:15	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	22:15	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	22:15	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	22:15	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	22:15	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	22:15	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	22:15	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	22:15	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	22:15	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	22:15	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	22:15	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	22:15	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	22:15	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	22:15	LB133323

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	22:15	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	22:15	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	22:15	LB133323
CCB07	Aluminum	100	+/-100	U	100	P	11/06/2024	23:07	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/06/2024	23:07	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/06/2024	23:07	LB133323
	Barium	100	+/-100	U	100	P	11/06/2024	23:07	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/06/2024	23:07	LB133323
	Boron	100	+/-100	U	100	P	11/06/2024	23:07	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/06/2024	23:07	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/06/2024	23:07	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/06/2024	23:07	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/06/2024	23:07	LB133323
	Iron	100	+/-100	U	100	P	11/06/2024	23:07	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	23:07	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/06/2024	23:07	LB133323
	Molybdenum	200	+/-200	U	200	P	11/06/2024	23:07	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/06/2024	23:07	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/06/2024	23:07	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/06/2024	23:07	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/06/2024	23:07	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/06/2024	23:07	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/06/2024	23:07	LB133323
CCB08	Aluminum	100	+/-100	U	100	P	11/07/2024	00:03	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	00:03	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	00:03	LB133323
	Barium	100	+/-100	U	100	P	11/07/2024	00:03	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	00:03	LB133323
	Boron	100	+/-100	U	100	P	11/07/2024	00:03	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	00:03	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	00:03	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	00:03	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	00:03	LB133323
	Iron	100	+/-100	U	100	P	11/07/2024	00:03	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	00:03	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	00:03	LB133323
	Molybdenum	200	+/-200	U	200	P	11/07/2024	00:03	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	00:03	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	00:03	LB133323

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	00:03	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	00:03	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	00:03	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	00:03	LB133323
CCB09	Aluminum	100	+/-100	U	100	P	11/07/2024	00:57	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	00:57	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	00:57	LB133323
	Barium	100	+/-100	U	100	P	11/07/2024	00:57	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	00:57	LB133323
	Boron	100	+/-100	U	100	P	11/07/2024	00:57	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	00:57	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	00:57	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	00:57	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	00:57	LB133323
	Iron	100	+/-100	U	100	P	11/07/2024	00:57	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	00:57	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	00:57	LB133323
	Molybdenum	200	+/-200	U	200	P	11/07/2024	00:57	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	00:57	LB133323
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	00:57	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	00:57	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	00:57	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	00:57	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	00:57	LB133323
CCB10	Aluminum	100	+/-100	U	100	P	11/07/2024	01:53	LB133323
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	01:53	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	01:53	LB133323
	Barium	100	+/-100	U	100	P	11/07/2024	01:53	LB133323
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	01:53	LB133323
	Boron	100	+/-100	U	100	P	11/07/2024	01:53	LB133323
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	01:53	LB133323
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	01:53	LB133323
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	01:53	LB133323
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	01:53	LB133323
	Iron	100	+/-100	U	100	P	11/07/2024	01:53	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	01:53	LB133323
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	01:53	LB133323
	Molybdenum	200	+/-200	U	200	P	11/07/2024	01:53	LB133323
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	01:53	LB133323

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	01:53	LB133323
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	01:53	LB133323
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	01:53	LB133323
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	01:53	LB133323
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	01:53	LB133323

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	14:38	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	14:38	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	14:38	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	14:38	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	14:38	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	14:38	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	14:38	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	14:38	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	14:38	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	14:38	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	14:38	LB133344

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	15:05	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:05	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:05	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	15:05	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	15:05	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	15:05	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:05	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	15:05	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	15:05	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	15:05	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	15:05	LB133344
CCB02	Aluminum	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	15:58	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:58	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	15:58	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	15:58	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	15:58	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	15:58	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:58	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	15:58	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	15:58	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	15:58	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	15:58	LB133344
CCB03	Aluminum	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	16:49	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	16:49	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	16:49	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	16:49	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	16:49	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	16:49	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	16:49	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	16:49	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	16:49	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	16:49	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	16:49	LB133344
CCB04	Aluminum	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	18:04	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:04	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:04	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	18:04	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	18:04	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	18:04	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:04	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	18:04	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	18:04	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	18:04	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	18:04	LB133344
CCB05	Aluminum	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	18:37	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:37	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	18:37	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	18:37	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	18:37	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	18:37	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:37	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	18:37	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	18:37	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	18:37	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	18:37	LB133344
CCB06	Aluminum	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	19:12	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	19:12	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	19:12	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	19:12	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	19:12	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	19:12	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	19:12	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	19:12	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	19:12	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	19:12	LB133344

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	19:12	LB133344
CCB07	Aluminum	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	20:02	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	20:02	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	20:02	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	20:02	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	20:02	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	20:02	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	20:02	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	20:02	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	20:02	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	20:02	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	20:02	LB133344
CCB08	Aluminum	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	21:02	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:02	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:02	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	21:02	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	21:02	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	21:02	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:02	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	21:02	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	21:02	LB133344

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	21:02	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	21:02	LB133344
CCB09	Aluminum	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	21:55	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:55	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	21:55	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	21:55	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	21:55	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	21:55	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:55	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	21:55	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	21:55	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	21:55	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	21:55	LB133344
CCB10	Aluminum	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	22:56	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	22:56	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	22:56	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	22:56	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	22:56	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	22:56	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	22:56	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	22:56	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	22:56	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	22:56	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	22:56	LB133344
CCB11	Aluminum	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/07/2024	23:47	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Barium	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/07/2024	23:47	LB133344
	Boron	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/07/2024	23:47	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/07/2024	23:47	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/07/2024	23:47	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Iron	100	+/-100	U	100	P	11/07/2024	23:47	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	23:47	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Molybdenum	200	+/-200	U	200	P	11/07/2024	23:47	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/07/2024	23:47	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/07/2024	23:47	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/07/2024	23:47	LB133344
CCB12	Aluminum	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/08/2024	00:43	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Barium	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/08/2024	00:43	LB133344
	Boron	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	00:43	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	00:43	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/08/2024	00:43	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Iron	100	+/-100	U	100	P	11/08/2024	00:43	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	00:43	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Molybdenum	200	+/-200	U	200	P	11/08/2024	00:43	LB133344

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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB12	Nickel	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	00:43	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	00:43	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/08/2024	00:43	LB133344
CCB13	Aluminum	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Antimony	50.0	+/-50.0	U	50.0	P	11/08/2024	01:01	LB133344
	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Barium	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Beryllium	6.00	+/-6.00	U	6.00	P	11/08/2024	01:01	LB133344
	Boron	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Cadmium	6.00	+/-6.00	U	6.00	P	11/08/2024	01:01	LB133344
	Chromium	10.0	+/-10.0	U	10.0	P	11/08/2024	01:01	LB133344
	Cobalt	30.0	+/-30.0	U	30.0	P	11/08/2024	01:01	LB133344
	Copper	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Iron	100	+/-100	U	100	P	11/08/2024	01:01	LB133344
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	01:01	LB133344
	Manganese	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Molybdenum	200	+/-200	U	200	P	11/08/2024	01:01	LB133344
	Nickel	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Selenium	20.0	+/-20.0	U	20.0	P	11/08/2024	01:01	LB133344
	Silver	10.0	+/-10.0	U	10.0	P	11/08/2024	01:01	LB133344
	Thallium	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Vanadium	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344
	Zinc	40.0	+/-40.0	U	40.0	P	11/08/2024	01:01	LB133344

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164668BL		**SOLID**		**Batch Number:**	**PB164668**		**Prep Date:**	**11/04/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	11/04/2024	14:32	LB133275

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164647BL		**SOLID**		**Batch Number:**	**PB164647**		**Prep Date:**	**11/04/2024**	
	Aluminum	4.83	<4.83	U	4.83	P	11/08/2024	00:17	LB133344
	Antimony	2.42	<2.42	U	2.42	P	11/08/2024	00:17	LB133344
	Arsenic	0.97	<0.97	U	0.97	P	11/08/2024	00:17	LB133344
	Barium	4.83	<4.83	U	4.83	P	11/08/2024	00:17	LB133344
	Beryllium	0.29	<0.29	U	0.29	P	11/08/2024	00:17	LB133344
	Boron	4.83	<4.83	U	4.83	P	11/08/2024	00:17	LB133344
	Cadmium	0.29	<0.29	U	0.29	P	11/08/2024	00:17	LB133344
	Chromium	0.48	<0.48	U	0.48	P	11/08/2024	00:17	LB133344
	Cobalt	1.45	<1.45	U	1.45	P	11/08/2024	00:17	LB133344
	Copper	0.97	<0.97	U	0.97	P	11/08/2024	00:17	LB133344
	Iron	4.83	<4.83	U	4.83	P	11/08/2024	00:17	LB133344
	Lead	0.58	<0.58	U	0.58	P	11/08/2024	00:17	LB133344
	Manganese	0.97	<0.97	U	0.97	P	11/08/2024	00:17	LB133344
	Molybdenum	9.66	<9.66	U	9.66	P	11/08/2024	00:17	LB133344
	Nickel	1.93	<1.93	U	1.93	P	11/08/2024	00:17	LB133344
	Selenium	0.97	<0.97	U	0.97	P	11/08/2024	00:17	LB133344
	Silver	0.48	<0.48	U	0.48	P	11/08/2024	00:17	LB133344
	Thallium	1.93	<1.93	U	1.93	P	11/08/2024	00:17	LB133344
	Vanadium	1.93	<1.93	U	1.93	P	11/08/2024	00:17	LB133344
	Zinc	1.93	<1.93	U	1.93	P	11/08/2024	00:17	LB133344

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	257000	255000	101	216000	294000	11/06/2024	18:08	LB133323
	Antimony	-0.051			-50	50	11/06/2024	18:08	LB133323
	Arsenic	2.46			-20	20	11/06/2024	18:08	LB133323
	Barium	5.21	6.0	87	-94	106	11/06/2024	18:08	LB133323
	Beryllium	1.28			-6	6	11/06/2024	18:08	LB133323
	Boron	35.7	1000	4	-100	100	11/06/2024	18:08	LB133323
	Cadmium	6.38	1.0	638	-5	7	11/06/2024	18:08	LB133323
	Chromium	56.4	52.0	108	42	62	11/06/2024	18:08	LB133323
	Cobalt	2.02			-30	30	11/06/2024	18:08	LB133323
	Copper	0.49	2.0	24	-18	22	11/06/2024	18:08	LB133323
	Iron	98800	101000	98	85600	116500	11/06/2024	18:08	LB133323
	Lead	9.93			-12	12	11/06/2024	18:08	LB133323
	Manganese	4.23	7.0	60	-13	27	11/06/2024	18:08	LB133323
	Molybdenum	-0.34	1000		-200	200	11/06/2024	18:08	LB133323
	Nickel	3.00	2.0	150	-38	42	11/06/2024	18:08	LB133323
	Selenium	-15.6			-20	20	11/06/2024	18:08	LB133323
	Silver	1.23			-10	10	11/06/2024	18:08	LB133323
	Thallium	2.62			-40	40	11/06/2024	18:08	LB133323
	Vanadium	7.34			-40	40	11/06/2024	18:08	LB133323
	Zinc	8.08			-40	40	11/06/2024	18:08	LB133323
ICSAB01	Aluminum	261000	247000	106	209000	285000	11/06/2024	18:13	LB133323
	Antimony	616	618	100	525	711	11/06/2024	18:13	LB133323
	Arsenic	114	104	110	88.4	120	11/06/2024	18:13	LB133323
	Barium	529	537	98	437	637	11/06/2024	18:13	LB133323
	Beryllium	527	495	106	420	570	11/06/2024	18:13	LB133323
	Boron	921	1000	92	850	1150	11/06/2024	18:13	LB133323
	Cadmium	1020	972	105	826	1120	11/06/2024	18:13	LB133323
	Chromium	562	542	104	460	624	11/06/2024	18:13	LB133323
	Cobalt	514	476	108	404	548	11/06/2024	18:13	LB133323
	Copper	488	511	96	434	588	11/06/2024	18:13	LB133323
	Iron	100000	99300	101	84400	114500	11/06/2024	18:13	LB133323
	Lead	57.7	49.0	118	37	61	11/06/2024	18:13	LB133323
	Manganese	516	507	102	430	584	11/06/2024	18:13	LB133323
	Molybdenum	919	1000	92	850	1150	11/06/2024	18:13	LB133323
	Nickel	1010	954	106	810	1100	11/06/2024	18:13	LB133323
	Selenium	36.0	46.0	78	26	66	11/06/2024	18:13	LB133323
	Silver	203	201	101	170	232	11/06/2024	18:13	LB133323
	Thallium	105	108	97	68	148	11/06/2024	18:13	LB133323
	Vanadium	507	491	103	417	565	11/06/2024	18:13	LB133323
	Zinc	1070	952	112	809	1095	11/06/2024	18:13	LB133323
ICSA01	Aluminum	255000	255000	100	216000	294000	11/07/2024	14:47	LB133344
	Antimony	-0.14			-50	50	11/07/2024	14:47	LB133344

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Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	4.03			-20	20	11/07/2024	14:47	LB133344
	Barium	1.97	6.0	33	-94	106	11/07/2024	14:47	LB133344
	Beryllium	1.25			-6	6	11/07/2024	14:47	LB133344
	Boron	34.6	1000	4	-100	100	11/07/2024	14:47	LB133344
	Cadmium	6.27	1.0	627	-5	7	11/07/2024	14:47	LB133344
	Chromium	54.7	52.0	105	42	62	11/07/2024	14:47	LB133344
	Cobalt	1.98			-30	30	11/07/2024	14:47	LB133344
	Copper	6.59	2.0	330	-18	22	11/07/2024	14:47	LB133344
	Iron	95800	101000	95	85600	116500	11/07/2024	14:47	LB133344
	Lead	8.91			-12	12	11/07/2024	14:47	LB133344
	Manganese	4.04	7.0	58	-13	27	11/07/2024	14:47	LB133344
	Molybdenum	-0.42	1000		-200	200	11/07/2024	14:47	LB133344
	Nickel	2.14	2.0	107	-38	42	11/07/2024	14:47	LB133344
	Selenium	-18.3			-20	20	11/07/2024	14:47	LB133344
	Silver	0.85			-10	10	11/07/2024	14:47	LB133344
	Thallium	4.42			-40	40	11/07/2024	14:47	LB133344
	Vanadium	7.40			-40	40	11/07/2024	14:47	LB133344
	Zinc	6.19			-40	40	11/07/2024	14:47	LB133344
ICSAB01	Aluminum	261000	247000	106	209000	285000	11/07/2024	14:51	LB133344
	Antimony	621	618	100	525	711	11/07/2024	14:51	LB133344
	Arsenic	116	104	112	88.4	120	11/07/2024	14:51	LB133344
	Barium	504	537	94	437	637	11/07/2024	14:51	LB133344
	Beryllium	498	495	101	420	570	11/07/2024	14:51	LB133344
	Boron	856	1000	86	850	1150	11/07/2024	14:51	LB133344
	Cadmium	999	972	103	826	1120	11/07/2024	14:51	LB133344
	Chromium	556	542	103	460	624	11/07/2024	14:51	LB133344
	Cobalt	503	476	106	404	548	11/07/2024	14:51	LB133344
	Copper	493	511	96	434	588	11/07/2024	14:51	LB133344
	Iron	98300	99300	99	84400	114500	11/07/2024	14:51	LB133344
	Lead	56.6	49.0	116	37	61	11/07/2024	14:51	LB133344
	Manganese	484	507	96	430	584	11/07/2024	14:51	LB133344
	Molybdenum	924	1000	92	850	1150	11/07/2024	14:51	LB133344
	Nickel	991	954	104	810	1100	11/07/2024	14:51	LB133344
	Selenium	32.9	46.0	72	26	66	11/07/2024	14:51	LB133344
	Silver	201	201	100	170	232	11/07/2024	14:51	LB133344
	Thallium	106	108	98	68	148	11/07/2024	14:51	LB133344
	Vanadium	493	491	100	417	565	11/07/2024	14:51	LB133344
	Zinc	835	952	88	809	1095	11/07/2024	14:51	LB133344

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P4675

contract: POWE02 **lab code:** CHEM **case no.:** P4675 **sas no.:** P4675

matrix: Solid **sample id:** P4663-02 **client id:** TENNANT-PAD-2-3-STOCKPILEMS

Percent Solids for Sample: 90.9 **Spiked ID:** P4663-02MS **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.32		0.011	J	0.26	118		CV

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P4675

contract: POWE02 **lab code:** CHEM **case no.:** P4675 **sas no.:** P4675

matrix: Solid **sample id:** P4663-02 **client id:** TENNANT-PAD-2-3-STOCKPILEMSD

Percent Solids for Sample: 90.9 **Spiked ID:** P4663-02MSD **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.33		0.011	J	0.28	114		CV

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P4675

contract: POWE02 **lab code:** CHEM **case no.:** P4675 **sas no.:** P4675

matrix: Solid **sample id:** P4685-01 **client id:** OK-01-11012024MS

Percent Solids for Sample: 96.1 **Spiked ID:** P4685-01MS **Percent Solids for Spike Sample:** 96.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7250		5990		100	1260		P
Antimony	mg/Kg	75 - 125	22.7		2.20	U	40.0	57	N	P
Arsenic	mg/Kg	75 - 125	35.2		1.06		40.0	85		P
Barium	mg/Kg	75 - 125	44.2		30.0		10.0	142	N	P
Beryllium	mg/Kg	75 - 125	9.33		0.35		10.0	90		P
Boron	mg/Kg	75 - 125	66.8		9.38		15.0	383	N	P
Cadmium	mg/Kg	75 - 125	11.5		1.50		10.0	100		P
Chromium	mg/Kg	75 - 125	27.8		11.3		20.0	83		P
Cobalt	mg/Kg	75 - 125	17.7		6.47		10.0	112		P
Copper	mg/Kg	75 - 125	32.7		17.3		15.0	102		P
Iron	mg/Kg	75 - 125	12200		11300		150	608		P
Lead	mg/Kg	75 - 125	55.5		6.92		50.0	97		P
Manganese	mg/Kg	75 - 125	197		163		10.0	332		P
Molybdenum	mg/Kg	75 - 125	17.2		8.82	U	20.0	86		P
Nickel	mg/Kg	75 - 125	37.7		9.74		25.0	112		P
Selenium	mg/Kg	75 - 125	76.1		0.88	U	100	76		P
Silver	mg/Kg	75 - 125	3.42		0.18	J	3.8	85		P
Thallium	mg/Kg	75 - 125	91.3		1.76	U	100	91		P
Vanadium	mg/Kg	75 - 125	36.7		24.0		15.0	84		P
Zinc	mg/Kg	75 - 125	34.2		19.6		10.0	146	N	P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P4675

contract: POWE02 **lab code:** CHEM **case no.:** P4675 **sas no.:** P4675

matrix: Solid **sample id:** P4685-01 **client id:** OK-01-11012024MSD

Percent Solids for Sample: 96.1 **Spiked ID:** P4685-01MSD **Percent Solids for Spike Sample:** 96.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	7120		5990		98.6	1145		P
Antimony	mg/Kg	75 - 125	22.6		2.20	U	39.5	57	N	P
Arsenic	mg/Kg	75 - 125	35.0		1.06		39.5	86		P
Barium	mg/Kg	75 - 125	43.5		30.0		9.9	137	N	P
Beryllium	mg/Kg	75 - 125	9.17		0.35		9.9	89		P
Boron	mg/Kg	75 - 125	66.0		9.38		14.8	383	N	P
Cadmium	mg/Kg	75 - 125	11.3		1.50		9.9	99		P
Chromium	mg/Kg	75 - 125	27.2		11.3		19.7	81		P
Cobalt	mg/Kg	75 - 125	17.5		6.47		9.9	111		P
Copper	mg/Kg	75 - 125	32.5		17.3		14.8	103		P
Iron	mg/Kg	75 - 125	12000		11300		150	480		P
Lead	mg/Kg	75 - 125	54.8		6.92		49.3	97		P
Manganese	mg/Kg	75 - 125	194		163		9.9	310		P
Molybdenum	mg/Kg	75 - 125	16.9		8.82	U	19.7	86		P
Nickel	mg/Kg	75 - 125	37.3		9.74		24.7	112		P
Selenium	mg/Kg	75 - 125	76.4		0.88	U	98.6	78		P
Silver	mg/Kg	75 - 125	3.35		0.18	J	3.7	86		P
Thallium	mg/Kg	75 - 125	90.8		1.76	U	98.6	92		P
Vanadium	mg/Kg	75 - 125	36.1		24.0		14.8	82		P
Zinc	mg/Kg	75 - 125	33.5		19.6		9.9	141	N	P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Matrix: Solid **Level:** LOW **Client ID:** OK-01-11012024A

Sample ID: P4685-01 **Spiked ID:** P4685-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	19.9		2.20	U	35.3	56		P
Barium	mg/Kg	75 - 125	39.1		30.0		8.80	103		P
Boron	mg/Kg	75 - 125	59.5		9.38		13.2	380		P
Zinc	mg/Kg	75 - 125	30.5		19.6		8.80	125		P

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Matrix: Solid **Sample ID:** P4663-02 **Client ID:** TENNANT-PAD-2-3-STOCKPILEDUP

Percent Solids for Sample: 90.9 **Duplicate ID** P4663-02DUP **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.011	J	0.011	J	0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Matrix: Solid **Sample ID:** P4663-02MS **Client ID:** TENNANT-PAD-2-3-STOCKPILEMSD

Percent Solids for Sample: 90.9 **Duplicate ID** P4663-02MSD **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.32		0.33		3		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Matrix: Solid **Sample ID:** P4685-01 **Client ID:** OK-01-11012024DUP

Percent Solids for Sample: 96.1 **Duplicate ID** P4685-01DUP **Percent Solids for Spike Sample:** 96.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	5990		6720		11		P
Antimony	mg/Kg	20	2.20	U	2.48	U			P
Arsenic	mg/Kg	20	1.06		1.37		26		P
Barium	mg/Kg	20	30.0		33.5		11		P
Beryllium	mg/Kg	20	0.35		0.40		13		P
Boron	mg/Kg	20	9.38		10.7		13		P
Cadmium	mg/Kg	20	1.50		1.64		9		P
Chromium	mg/Kg	20	11.3		12.7		12		P
Cobalt	mg/Kg	20	6.47		7.18		10		P
Copper	mg/Kg	20	17.3		19.2		10		P
Iron	mg/Kg	20	11300		12700		12		P
Lead	mg/Kg	20	6.92		7.75		11		P
Manganese	mg/Kg	20	163		184		12		P
Molybdenum	mg/Kg	20	8.82	U	9.91	U			P
Nickel	mg/Kg	20	9.74		10.8		10		P
Selenium	mg/Kg	20	0.88	U	0.99	U			P
Silver	mg/Kg	20	0.18	J	0.18	J	1		P
Thallium	mg/Kg	20	1.76	U	1.98	U			P
Vanadium	mg/Kg	20	24.0		27.1		12		P
Zinc	mg/Kg	20	19.6		22.3		13		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Matrix: Solid **Sample ID:** P4685-01MS **Client ID:** OK-01-11012024MSD

Percent Solids for Sample: 96.1 **Duplicate ID** P4685-01MSD **Percent Solids for Spike Sample:** 96.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	7250		7120		2		P
Antimony	mg/Kg	20	22.7		22.6		0		P
Arsenic	mg/Kg	20	35.2		35.0		1		P
Barium	mg/Kg	20	44.2		43.5		2		P
Beryllium	mg/Kg	20	9.33		9.17		2		P
Boron	mg/Kg	20	66.8		66.0		1		P
Cadmium	mg/Kg	20	11.5		11.3		2		P
Chromium	mg/Kg	20	27.8		27.2		2		P
Cobalt	mg/Kg	20	17.7		17.5		1		P
Copper	mg/Kg	20	32.7		32.5		1		P
Iron	mg/Kg	20	12200		12000		2		P
Lead	mg/Kg	20	55.5		54.8		1		P
Manganese	mg/Kg	20	197		194		2		P
Molybdenum	mg/Kg	20	17.2		16.9		2		P
Nickel	mg/Kg	20	37.7		37.3		1		P
Selenium	mg/Kg	20	76.1		76.4		0		P
Silver	mg/Kg	20	3.42		3.35		2		P
Thallium	mg/Kg	20	91.3		90.8		1		P
Vanadium	mg/Kg	20	36.7		36.1		2		P
Zinc	mg/Kg	20	34.2		33.5		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164647BS							
Aluminum	mg/Kg	96.6	93.1		96	80 - 120	P
Antimony	mg/Kg	38.6	37.7		98	80 - 120	P
Arsenic	mg/Kg	38.6	38.0		98	80 - 120	P
Barium	mg/Kg	9.7	9.01		93	80 - 120	P
Beryllium	mg/Kg	9.7	8.99		93	80 - 120	P
Boron	mg/Kg	14.5	13.2		91	80 - 120	P
Cadmium	mg/Kg	9.7	8.76		90	80 - 120	P
Chromium	mg/Kg	19.3	18.2		94	80 - 120	P
Cobalt	mg/Kg	9.7	8.92		92	80 - 120	P
Copper	mg/Kg	14.5	14.7		101	80 - 120	P
Iron	mg/Kg	140	131		94	80 - 120	P
Lead	mg/Kg	48.3	44.7		92	80 - 120	P
Manganese	mg/Kg	9.7	8.97		92	80 - 120	P
Molybdenum	mg/Kg	19.3	19.5		101	80 - 120	P
Nickel	mg/Kg	24.2	22.4		93	80 - 120	P
Selenium	mg/Kg	96.6	95.4		99	80 - 120	P
Silver	mg/Kg	3.6	3.44		96	80 - 120	P
Thallium	mg/Kg	96.6	101		105	80 - 120	P
Vanadium	mg/Kg	14.5	13.7		94	80 - 120	P
Zinc	mg/Kg	9.7	9.68		100	80 - 120	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164668BS							
Mercury	mg/Kg	0.27	0.24		88	80 - 120	CV

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

TENNANT-PAD-2-3-STOCKPILEL

Lab Name: Chemtech Consulting Group **Contract:** POWE02

Lab Code: CHEM **Lb No.:** lb133275 **Lab Sample ID :** P4663-02L **SDG No.:** P4675

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.011	J	0.069	U	100.0		CV

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Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

OK-01-11012024L

Lab Name: Chemtech Consulting Group **Contract:** POWE02

Lab Code: CHEM **Lb No.:** lb133323 **Lab Sample ID :** P4685-01L **SDG No.:** P4675

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	5990		7000		17		P
Antimony	2.20	U	11.0	U			P
Arsenic	1.06		1.62	J	52		P
Barium	30.0		35.1		17		P
Beryllium	0.35		0.46	J	31		P
Boron	9.38		12.0	J	28		P
Cadmium	1.50		1.09	J	27		P
Chromium	11.3		13.8		22		P
Cobalt	6.47		6.42	J	1		P
Copper	17.3		21.6		25		P
Iron	11300		13700		22		P
Lead	6.92		7.41		7		P
Manganese	163		201		23		P
Molybdenum	8.82	U	44.1	U			P
Nickel	9.74		9.95		2		P
Selenium	0.88	U	4.41	U			P
Silver	0.18	J	2.20	U	100.0		P
Thallium	1.76	U	8.82	U			P
Vanadium	24.0		29.1		21		P
Zinc	19.6		23.8		22		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4675 **SAS No.:** P4675

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Method:**

Case No.: P4675 **SAS No.:** P4675

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164647**						
P4675-01	COMP-1	SAM	SOLID	11/04/2024	2.38	100.0	77.90
P4675-02	COMP-2	SAM	SOLID	11/04/2024	2.10	100.0	85.70
P4675-03	COMP-3	SAM	SOLID	11/04/2024	2.10	100.0	88.80
P4675-04	COMP-4	SAM	SOLID	11/04/2024	2.22	100.0	82.90
P4675-05	COMP-5	SAM	SOLID	11/04/2024	2.16	100.0	82.10
P4675-06	COMP-6	SAM	SOLID	11/04/2024	2.30	100.0	81.30
P4685-01DUP	OK-01-11012024DUP	DUP	SOLID	11/04/2024	2.10	100.0	96.10
P4685-01MS	OK-01-11012024MS	MS	SOLID	11/04/2024	2.08	100.0	96.10
P4685-01MSD	OK-01-11012024MSD	MSD	SOLID	11/04/2024	2.11	100.0	96.10
PB164647BL	PB164647BL	MB	SOLID	11/04/2024	2.07	100.0	100.00
PB164647BS	PB164647BS	LCS	SOLID	11/04/2024	2.07	100.0	100.00

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Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Kleinfelder **SDG No.:** P4675

Contract: POWE02 **Lab Code:** CHEM **Method:**

Case No.: P4675 **SAS No.:** P4675

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB164668**						
P4663-02DUP	TENNANT-PAD-2-3-STOCKPILEDUP	DUP	SOLID	11/04/2024	0.55	35.0	90.90
P4663-02MS	TENNANT-PAD-2-3-STOCKPILEMS	MS	SOLID	11/04/2024	0.59	35.0	90.90
P4663-02MSD	TENNANT-PAD-2-3-STOCKPILEMSD	MSD	SOLID	11/04/2024	0.55	35.0	90.90
P4675-01	COMP-1	SAM	SOLID	11/04/2024	0.55	35.0	77.90
P4675-02	COMP-2	SAM	SOLID	11/04/2024	0.52	35.0	85.70
P4675-03	COMP-3	SAM	SOLID	11/04/2024	0.56	35.0	88.80
P4675-04	COMP-4	SAM	SOLID	11/04/2024	0.51	35.0	82.90
P4675-05	COMP-5	SAM	SOLID	11/04/2024	0.54	35.0	82.10
P4675-06	COMP-6	SAM	SOLID	11/04/2024	0.52	35.0	81.30
PB164668BL	PB164668BL	MB	SOLID	11/04/2024	0.56	35.0	100.00
PB164668BS	PB164668BS	LCS	SOLID	11/04/2024	0.52	35.0	100.00

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metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P4675 **Sas no.:** P4675 **Sdg no.:** P4675

Instrument id number: **Method:** **Run number:** LB133275

Start date: 11/04/2024 **End date:** 11/04/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1347	HG
S0.2	S0.2	1	1349	HG
S2.5	S2.5	1	1351	HG
S5	S5	1	1353	HG
S7.5	S7.5	1	1356	HG
S10	S10	1	1408	HG
ICV68	ICV68	1	1411	HG
ICB68	ICB68	1	1416	HG
CCV22	CCV22	1	1418	HG
CCB22	CCB22	1	1423	HG
CRA	CRA	1	1425	HG
PB164668BL	PB164668BL	1	1432	HG
PB164668BS	PB164668BS	1	1434	HG
P4663-02MS	TENNANT-PAD-2-3-STOCKPI	1	1441	HG
P4663-02MSD	TENNANT-PAD-2-3-STOCKPI	1	1443	HG
CCV23	CCV23	1	1448	HG
CCB23	CCB23	1	1453	HG
P4675-01	COMP-1	1	1509	HG
P4675-02	COMP-2	1	1511	HG
P4675-03	COMP-3	1	1513	HG
P4675-04	COMP-4	1	1516	HG
CCV24	CCV24	1	1518	HG
CCB24	CCB24	1	1520	HG
P4675-05	COMP-5	1	1522	HG
P4675-06	COMP-6	1	1525	HG
P4663-02DUP	TENNANT-PAD-2-3-STOCKPI	1	1536	HG
P4663-02L	TENNANT-PAD-2-3-STOCKPI	5	1538	HG
CCV25	CCV25	1	1543	HG
CCB25	CCB25	1	1545	HG

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metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P4675 **Sas no.:** P4675 **Sdg no.:** P4675

Instrument id number: **Method:** **Run number:** LB133323

Start date: 11/06/2024 **End date:** 11/07/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1709	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1713	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1717	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1722	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1726	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1730	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1734	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1738	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1743	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1804	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1808	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1813	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1823	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1827	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1839	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1844	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1932	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1936	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	2022	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	2026	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	2113	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	2117	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	2211	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	2215	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4675-01	COMP-1	1	2254	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4675-02	COMP-2	1	2259	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	2303	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2307	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4675-03	COMP-3	1	2312	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4675-04	COMP-4	1	2316	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4675-05	COMP-5	1	2320	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4675-06	COMP-6	1	2325	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4685-01DUP	OK-01-11012024DUP	1	2333	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4685-01L	OK-01-11012024L	5	2337	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4685-01MS	OK-01-11012024MS	1	2341	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4685-01MSD	OK-01-11012024MSD	1	2345	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4685-01A	OK-01-11012024A	1	2349	B,Ba,Sb,Zn
CCV08	CCV08	1	2359	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	0003	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	0053	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	0057	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P4675 **Sas no.:** P4675 **Sdg no.:** P4675

Instrument id number: **Method:** **Run number:** LB133323

Start date: 11/06/2024 **End date:** 11/07/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV10	CCV10	1	0149	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	0153	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P4675 **Sas no.:** P4675 **Sdg no.:** P4675

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1328	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1332	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1336	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1340	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1345	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1349	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1423	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1438	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1442	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1447	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1451	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1501	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1505	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1553	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1558	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1645	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1649	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1756	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1804	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1832	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1837	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1908	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1912	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1958	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2002	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2058	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2102	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2151	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2155	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2252	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2256	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2343	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2347	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB164647BL	PB164647BL	1	0017	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB164647BS	PB164647BS	1	0021	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	0039	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	0043	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV13	CCV13	1	0057	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB13	CCB13	1	0101	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	P4675	**OrderDate:**	11/1/2024 11:22:00 AM
Client:	Kleinfelder	**Project:**	Harrington School
Contact:	Mark Warchol	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4675-01	**COMP-1**	**SOIL**			**10/31/24 11:05**			**11/01/24**
			Ammonia	SM4500-NH3		11/04/24	11/05/24 11:11	
			Anions Group1	9056A			11/05/24 13:21	
			Hexavalent Chromium	7196A		11/04/24	11/04/24 15:04	
			Trivalent Chromium	6010D			11/06/24 22:54	
P4675-02	**COMP-2**	**SOIL**			**10/31/24 11:10**			**11/01/24**
			Ammonia	SM4500-NH3		11/04/24	11/05/24 11:11	
			Anions Group1	9056A			11/05/24 14:26	
			Hexavalent Chromium	7196A		11/04/24	11/04/24 15:05	
			Trivalent Chromium	6010D			11/06/24 22:59	
P4675-03	**COMP-3**	**SOIL**			**10/31/24 11:15**			**11/01/24**
			Ammonia	SM4500-NH3		11/04/24	11/05/24 11:11	
			Anions Group1	9056A			11/05/24 14:47	
			Hexavalent Chromium	7196A		11/04/24	11/04/24 15:06	
			Trivalent Chromium	6010D			11/06/24 23:12	

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LAB CHRONICLE

P4675-04	**COMP-4**	**SOIL**			**10/31/24 11:20**		**11/01/24**
			Ammonia	SM4500-NH3		11/04/24	11/05/24 11:22
			Anions Group1	9056A			11/05/24 15:52
			Hexavalent Chromium	7196A		11/04/24	11/04/24 15:07
			Trivalent Chromium	6010D			11/06/24 23:16
P4675-05	**COMP-5**	**SOIL**			**10/31/24 11:25**		**11/01/24**
			Ammonia	SM4500-NH3		11/04/24	11/05/24 11:22
			Anions Group1	9056A			11/05/24 16:13
			Hexavalent Chromium	7196A		11/04/24	11/04/24 15:08
			Trivalent Chromium	6010D			11/06/24 23:20
P4675-06	**COMP-6**	**SOIL**			**10/31/24 11:30**		**11/01/24**
			Ammonia	SM4500-NH3		11/04/24	11/05/24 11:22
			Anions Group1	9056A			11/05/24 16:35
			Hexavalent Chromium	7196A		11/04/24	11/04/24 15:09
			Trivalent Chromium	6010D			11/06/24 23:25

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24 11:05
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-1	SDG No.:	P4675
Lab Sample ID:	P4675-01	Matrix:	SOIL
		% Solid:	77.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.90	J	1	1.10	6.30	mg/Kg	11/04/24 10:10	11/05/24 11:11	SM 4500-NH3 B plus G-11
Chloride	36.5		1	0.12	15.4	mg/Kg		11/05/24 13:21	9056A
Fluoride	6.10	J	1	0.49	10.2	mg/Kg		11/05/24 13:21	9056A
Sulfate	66.8	J	1	0.78	76.9	mg/Kg		11/05/24 13:21	9056A
Hexavalent Chromium	0.15	J	1	0.10	0.51	mg/Kg	11/04/24 11:00	11/04/24 15:04	7196A
Trivalent Chromium	30.7		1	0.64	0.64	mg/Kg		11/06/24 22:54	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24 11:10
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-2	SDG No.:	P4675
Lab Sample ID:	P4675-02	Matrix:	SOIL
		% Solid:	85.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.80	J	1	1.00	5.80	mg/Kg	11/04/24 10:10	11/05/24 11:11	SM 4500-NH3 B plus G-11
Chloride	109		1	0.11	13.9	mg/Kg		11/05/24 14:26	9056A
Fluoride	9.90		1	0.44	9.30	mg/Kg		11/05/24 14:26	9056A
Sulfate	29.3	J	1	0.71	69.5	mg/Kg		11/05/24 14:26	9056A
Hexavalent Chromium	0.091	U	1	0.091	0.46	mg/Kg	11/04/24 11:00	11/04/24 15:05	7196A
Trivalent Chromium	27.5		1	0.58	0.58	mg/Kg		11/06/24 22:59	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24 11:15
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-3	SDG No.:	P4675
Lab Sample ID:	P4675-03	Matrix:	SOIL
		% Solid:	88.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.98	U	1	0.98	5.50	mg/Kg	11/04/24 10:10	11/05/24 11:11	SM 4500-NH3 B plus G-11
Chloride	26.6		1	0.11	13.5	mg/Kg		11/05/24 14:47	9056A
Fluoride	6.90	J	1	0.43	9.00	mg/Kg		11/05/24 14:47	9056A
Sulfate	66.5	J	1	0.68	67.3	mg/Kg		11/05/24 14:47	9056A
Hexavalent Chromium	0.089	U	1	0.089	0.45	mg/Kg	11/04/24 11:00	11/04/24 15:06	7196A
Trivalent Chromium	16.9		1	0.56	0.56	mg/Kg		11/06/24 23:12	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24 11:20
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-4	SDG No.:	P4675
Lab Sample ID:	P4675-04	Matrix:	SOIL
		% Solid:	82.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.20	J	1	1.10	5.90	mg/Kg	11/04/24 10:10	11/05/24 11:22	SM 4500-NH3 B plus G-11
Chloride	3.20	J	1	0.11	14.4	mg/Kg		11/05/24 15:52	9056A
Fluoride	6.60	J	1	0.45	9.60	mg/Kg		11/05/24 15:52	9056A
Sulfate	22.1	J	1	0.73	71.8	mg/Kg		11/05/24 15:52	9056A
Hexavalent Chromium	0.38	J	1	0.095	0.48	mg/Kg	11/04/24 11:00	11/04/24 15:07	7196A
Trivalent Chromium	22.4		1	0.60	0.60	mg/Kg		11/06/24 23:16	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24 11:25
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-5	SDG No.:	P4675
Lab Sample ID:	P4675-05	Matrix:	SOIL
		% Solid:	82.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.10	J	1	1.10	6.00	mg/Kg	11/04/24 10:10	11/05/24 11:22	SM 4500-NH3 B plus G-11
Chloride	4.10	J	1	0.12	14.5	mg/Kg		11/05/24 16:13	9056A
Fluoride	4.50	J	1	0.46	9.70	mg/Kg		11/05/24 16:13	9056A
Sulfate	38.8	J	1	0.74	72.5	mg/Kg		11/05/24 16:13	9056A
Hexavalent Chromium	0.14	J	1	0.095	0.48	mg/Kg	11/04/24 11:00	11/04/24 15:08	7196A
Trivalent Chromium	22.7		1	0.61	0.61	mg/Kg		11/06/24 23:20	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	10/31/24 11:30
Project:	Harrington School	Date Received:	11/01/24
Client Sample ID:	COMP-6	SDG No.:	P4675
Lab Sample ID:	P4675-06	Matrix:	SOIL
		% Solid:	81.3

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	5.90	mg/Kg	11/04/24 10:10	11/05/24 11:22	SM 4500-NH3 B plus G-11
Chloride	26.0		1	0.12	14.7	mg/Kg		11/05/24 16:35	9056A
Fluoride	7.80	J	1	0.47	9.80	mg/Kg		11/05/24 16:35	9056A
Sulfate	38.0	J	1	0.75	73.5	mg/Kg		11/05/24 16:35	9056A
Hexavalent Chromium	0.15	J	1	0.096	0.49	mg/Kg	11/04/24 11:00	11/04/24 15:09	7196A
Trivalent Chromium	21.6		1	0.62	0.62	mg/Kg		11/06/24 23:25	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

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Initial and Continuing Calibration Verification

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **RunNo.:** LB133276

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/04/2024
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	11/04/2024
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/04/2024
Sample ID: CCV3						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/04/2024
Sample ID: CCV4						
Hexavalent Chromium	mg/L	0.503	0.5	101	90-110	11/04/2024

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Initial and Continuing Calibration Verification

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **RunNo.:** LB133290

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	10/16/2024
Chloride	mg/L	3	3	100	90-110	10/16/2024
Fluoride	mg/L	2	2	100	90-110	10/16/2024
Nitrite	mg/L	3	3	100	90-110	10/16/2024
Nitrate	mg/L	2.5	2.5	100	90-110	10/16/2024
Sulfate	mg/L	14.9	15	99	90-110	10/16/2024
Orthophosphate as P	mg/L	4.8	5	96	90-110	10/16/2024
Sample ID: CCV1						
Bromide	mg/L	10.4	10	104	90-110	11/05/2024
Chloride	mg/L	3.1	3	103	90-110	11/05/2024
Fluoride	mg/L	2.1	2	105	90-110	11/05/2024
Nitrite	mg/L	3.1	3	103	90-110	11/05/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/05/2024
Sulfate	mg/L	15.3	15	102	90-110	11/05/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/05/2024
Sample ID: CCV2						
Bromide	mg/L	10.4	10	104	90-110	11/05/2024
Chloride	mg/L	3.1	3	103	90-110	11/05/2024
Fluoride	mg/L	2	2	100	90-110	11/05/2024
Nitrite	mg/L	3.1	3	103	90-110	11/05/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/05/2024
Sulfate	mg/L	15.4	15	103	90-110	11/05/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/05/2024
Sample ID: CCV3						
Bromide	mg/L	10.4	10	104	90-110	11/05/2024
Chloride	mg/L	3.1	3	103	90-110	11/05/2024
Fluoride	mg/L	2.1	2	105	90-110	11/05/2024
Nitrite	mg/L	3.1	3	103	90-110	11/05/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/05/2024
Sulfate	mg/L	15.4	15	103	90-110	11/05/2024
Orthophosphate as P	mg/L	5.1	5	102	90-110	11/05/2024

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Initial and Continuing Calibration Verification

Client:	Kleinfelder	**SDG No.:**	P4675
Project:	Harrington School	**RunNo.:**	LB133302

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV1						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV2						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV3						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024
Sample ID: CCV4						
Ammonia as N	mg/L	1	1	100	90-110	11/05/2024

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Initial and Continuing Calibration Blank Summary

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **RunNo.:** LB133276

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	11/04/2024
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/04/2024
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/04/2024
Sample ID: CCB3							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/04/2024
Sample ID: CCB4							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/04/2024

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Initial and Continuing Calibration Blank Summary

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **RunNo.:** LB133290

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	10/16/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	10/16/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	10/16/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	10/16/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	10/16/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	10/16/2024
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/05/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/05/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/05/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/05/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/05/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/05/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/05/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/05/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/05/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/05/2024
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/05/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/05/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/05/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/05/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/05/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/05/2024

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Initial and Continuing Calibration Blank Summary

Client:	Kleinfelder	**SDG No.:**	P4675
Project:	Harrington School	**RunNo.:**	LB133302

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	11/05/2024
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024
Sample ID: CCB4							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/05/2024

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Preparation Blank Summary

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133290BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	11/05/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	11/05/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	11/05/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	11/05/2024
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	11/05/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	11/05/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	11/05/2024
Sample ID: PB164458BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	0.9	5	11/05/2024
Sample ID: PB164606BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	11/04/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-1MS

SDG No.: P4675
Sample ID: P4675-01
Percent Solids for Spike Sample: 77.9

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	259		0.63	U	260	1	100		11/05/2024
Ammonia as N	mg/Kg	75-125	67.5		1.90	J	62.3	1	105		11/05/2024
Chloride	mg/Kg	80-120	126		36.5		76.7	1	117		11/05/2024
Fluoride	mg/Kg	80-120	49.3		6.10	J	51.1	1	85		11/05/2024
Nitrite	mg/Kg	80-120	77.6		0.24	U	76.7	1	101		11/05/2024
Nitrate	mg/Kg	80-120	65.3		0.11	U	63.9	1	102		11/05/2024
Sulfate	mg/Kg	80-120	443		66.8	J	380	1	99		11/05/2024
Orthophosphate as P	mg/Kg	80-120	87.1		0.31	U	130	1	67	*	11/05/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-1MSD

SDG No.: P4675
Sample ID: P4675-01
Percent Solids for Spike Sample: 77.9

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	257		0.63	U	250	1	103		11/05/2024
Ammonia as N	mg/Kg	75-125	62.9		1.90	J	62.9	1	97		11/05/2024
Chloride	mg/Kg	80-120	126		36.5		76.3	1	117		11/05/2024
Fluoride	mg/Kg	80-120	48.6		6.10	J	50.8	1	84		11/05/2024
Nitrite	mg/Kg	80-120	77.2		0.24	U	76.3	1	101		11/05/2024
Nitrate	mg/Kg	80-120	65.0		0.11	U	63.5	1	102		11/05/2024
Sulfate	mg/Kg	80-120	441		66.8	J	380	1	98		11/05/2024
Orthophosphate as P	mg/Kg	80-120	85.7		0.31	U	130	1	66	*	11/05/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-6MS

SDG No.: P4675
Sample ID: P4675-06
Percent Solids for Spike Sample: 81.3

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	1580		0.15	J	1580	40	100		11/04/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-6MS

SDG No.: P4675
Sample ID: P4675-06
Percent Solids for Spike Sample: 81.3

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	48.9		0.15	J	49.2	2	99		11/04/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-6MS

SDG No.: P4675
Sample ID: P4675-06
Percent Solids for Spike Sample: 81.3

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	39.1		0.15	J	49.2	2	79		11/04/2024

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Duplicate Sample Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-1DUP
SDG No.: P4675
Sample ID: P4675-01
Percent Solids for Spike Sample: 77.9

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	1.90	J	1.10	U	1	200	*	11/05/2024

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Duplicate Sample Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-1MSD
SDG No.: P4675
Sample ID: P4675-01
Percent Solids for Spike Sample: 77.9

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Chloride	mg/Kg	+/-15	126		126		1	0		11/05/2024
Nitrate	mg/Kg	+/-15	65.3		65.0		1	0		11/05/2024
Sulfate	mg/Kg	+/-15	443		441		1	0		11/05/2024
Bromide	mg/Kg	+/-15	259		257		1	1		11/05/2024
Fluoride	mg/Kg	+/-15	49.3		48.6		1	1		11/05/2024
Nitrite	mg/Kg	+/-15	77.6		77.2		1	1		11/05/2024
Orthophosphate as P	mg/Kg	+/-15	87.1		85.7		1	2		11/05/2024
Ammonia as N	mg/Kg	+/-20	67.5		62.9		1	7		11/05/2024

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Fax : 908 789 8922

Duplicate Sample Summary

Client: Kleinfelder
Project: Harrington School
Client ID: COMP-6DUP
SDG No.: P4675
Sample ID: P4675-06
Percent Solids for Spike Sample: 81.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.15	J	0.15	J	1	0		11/04/2024

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Laboratory Control Sample Summary

Client: Kleinfelder **SDG No.:** P4675

Project: Harrington School **Run No.:** LB133290

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB133290BSS								
Bromide	mg/Kg	200	208		104	1	90-110	11/05/2024
Chloride	mg/Kg	60	62.2		104	1	90-110	11/05/2024
Fluoride	mg/Kg	40	41.4		104	1	90-110	11/05/2024
Nitrite	mg/Kg	60	62.2		104	1	90-110	11/05/2024
Nitrate	mg/Kg	50	52.1		104	1	90-110	11/05/2024
Sulfate	mg/Kg	300	306		102	1	90-110	11/05/2024
Orthophosphate as P	mg/Kg	100	103		103	1	90-110	11/05/2024

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Fax : 908 789 8922

Laboratory Control Sample Summary

Client:	Kleinfelder	**SDG No.:**	P4675
Project:	Harrington School	**Run No.:**	LB133302

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164458BS								
Ammonia as N	mg/Kg	50	51.9		104	1	90-110	11/05/2024

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Laboratory Control Sample Summary

Client:	Kleinfelder	**SDG No.:**	P4675
Project:	Harrington School	**Run No.:**	LB133276

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB164606BS								
Hexavalent Chromium	**mg/Kg**	**20**	**20.0**		**100**	**1**	**84-110**	**11/04/2024**

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. P4675
COC Number 2042209

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 25 Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Harrington School
PROJECT NO. 24005166.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ✓ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

PADEP Clean Fill Parameters

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	COMP-1	Soil	✓		10/31/24	11:05	4	✓									
2.	COMP-2					11:10	3										
3.	COMP-3					11:15	4										
4.	COMP-4					11:20											
5.	COMP-5					11:25											
6.	COMP-6					11:30											
7.	SB-1			✓		8:45	1										
8.	SB-2					8:55											
9.	SB-3					9:05											
10.	SB-4					9:10											

PRESERVATIVES: E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/31/24 14:00	1.
2.	11-1-24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7 °C
Comments: Put grab samples on hold, do not analyze until further notice
IR Gun #1

Page 1 of 2

CLIENT: ☐ Hand Delivered ✓ Other FedEx
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

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(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4675
QUOTE NO.
COC Number 2042210

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 2 S Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 609-584-5271 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Harrington School
PROJECT NO.: 24005166.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

1. PADEP Clean Fill Parameters JC
2.
3.
4.
5.
6.
7.
8.
9.

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	COLLECTION DATE	COLLECTION TIME	# OF BOTTLES	1 (E)	2	3	4	5	6	7	8	9	COMMENTS
1.	SB-5	Soil		✓	10/31/24	9:20	1	✓									
2.	SB-6	↓		↓	↓	9:30	↓	↓									
3.	SB-7	↓		↓	↓	10:15	↓	↓									
4.	SB-8	↓		↓	↓	10:20	↓	↓									
5.	SB-9	↓		↓	↓	10:30	↓	↓									
6.	SB-10	↓		↓	↓	10:40	↓	↓									
7.	SB-11	↓		↓	↓	10:50	↓	↓									
8.	SB-12	↓		↓	↓	10:55	↓	↓									
9.																	
10.																	

PRESERVATIVES — Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	10/31/24 14:00	1. [signature]
2.	11-1-24 1105	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.7 °C
Comments: Put grab samples on hold, do not analyze until further notice
IR-Gun # 1

Page 2 of 2

CLIENT: ☐ Hand Delivered ☑ Other FedEx
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

P4675

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4675 POWE02	**Order Date :**	11/1/2024 11:22:00 AM	**Project Mgr :**	
Client Name :	Kleinfelder	**Project Name :**	~~Edison School~~ Harrington School	**Report Type :**	Results+QC
Client Contact :	Mark Warchol	**Receive DateTime :**	11/1/2024 11:05:00 AM	**EDD Type :**	EXCEL NOCLEANUP
Invoice Name :	Kleinfelder	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mark Warchol			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4675-01	COMP-1	Solid	10/31/2024	11:05	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-02	COMP-2	Solid	10/31/2024	11:10	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-03	COMP-3	Solid	10/31/2024	11:15	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-04	COMP-4	Solid	10/31/2024	11:20	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-05	COMP-5	Solid	10/31/2024	11:25	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days
P4675-06	COMP-6	Solid	10/31/2024	11:30	VOCMS Group1		8260D		~~3 Bus. Days~~ 5 Days

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P4675 POWE02	**Order Date :**	11/1/2024 11:22:00 AM	**Project Mgr :**	
Client Name :	Kleinfelder	**Project Name :**	~~Edison School~~ Harrington School.	**Report Type :**	Results+QC
Client Contact :	Mark Warchol	**Receive DateTime :**	11/1/2024 11:05:00 AM	**EDD Type :**	EXCEL NOCLEANUP
Invoice Name :	Kleinfelder	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Mark Warchol			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 11-1-24 1200

Received By : Sam
Date / Time : 11/01/24 1200 Rq # 6 CE

Storage Area : VOA Refridgerator Room