

DATA PACKAGE

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

PROJECT NAME : WEBSTER SCHOOL

KLEINFELDER

180 Sheree Boulevard, Suite 3800

Exton, PA - 19341

Phone No: 610-594-1444

ORDER ID : P4852

ATTENTION : Mark Warchol



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
2.1) VOCMS Group1- Case Narrative	4
2.2) SVOCMS Group1- Case Narrative	6
2.3) PESTICIDE Group1- Case Narrative	8
2.4) PCB Group1- Case Narrative	10
2.5) Metals-AES- Case Narrative	12
2.6) Genchem- Case Narrative	13
3) Qualifier Page	14
4) QA Checklist	16
5) VOCMS Group1 Data	17
6) SVOCMS Group1 Data	50
7) PESTICIDE Group1 Data	87
8) PCB Group1 Data	130
9) Metals-AES Data	184
10) Genchem Data	237
11) Shipping Document	261
11.1) CHAIN OF CUSTODY	262
11.2) Lab Certificate	264
11.3) Internal COC	265

1
2
3
4
5
6
7
8
9
10
11

Cover Page

Order ID : P4852

Project ID : Webster School

Client : Kleinfelder

Lab Sample Number

P4852-01
P4852-02
P4852-03

Client Sample Number

COMP-1
COMP-2
COMP-3

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 :

N. N. Pandya

APPROVED

Date: 11/26/2024
By Nimisha Pandya, QA/QC Supervisor at 11:24 am, Nov 26, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Kleinfelder

Project Name: Webster School

Project # N/A

Chemtech Project # P4852

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/14/2024.

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_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator. 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 except for COMP-2 [1,2-Dichloroethane-d4 - 286% and Dibromofluoromethane - 176%]. Sample reanalyzed to confirm results, Original and Reanalysis both are reported.

The Internal Standards Areas met the acceptable requirements except for COMP-2 and COMP-2RE. Sample reanalyzed to confirm results, Original and Reanalysis both are reported.

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 met the requirements .

The Tuning criteria met requirements.

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.

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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:25 am, Nov 26, 2024

CASE NARRATIVE

Kleinfelder

Project Name: Webster School

Project # N/A

Chemtech Project # P4852

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/14/2024.

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_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe 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.

The Internal Standards Areas met the acceptable requirements.

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 .

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 8 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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:26 am, Nov 26, 2024

CASE NARRATIVE

Kleinfelder

Project Name: Webster School

Project # N/A

Chemtech Project # P4852

Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/14/2024.

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.



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

2

2.3

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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:26 am, Nov 26, 2024

CASE NARRATIVE

Kleinfelder

Project Name: Webster School

Project # N/A

Chemtech Project # P4852

Test Name: PCB Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/14/2024.

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_P. 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.



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

2

2.4

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 N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:26 am, Nov 26, 2024



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

CASE NARRATIVE

Kleinfelder

Project Name: Webster School

Project # N/A

Chemtech Project # P4852

Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/14/2024.

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 (NB-08-111424MS) analysis met criteria for all samples except for Boron due to Chemical Interference during Digestion Process.

The Matrix Spike Duplicate (NB-08-111424MSD) analysis met criteria for all samples except for Boron due to Chemical Interference during Digestion Process.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable 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_____

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:27 am, Nov 26, 2024



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

CASE NARRATIVE

Kleinfelder

Project Name: Webster School

Project # N/A

Chemtech Project # P4852

Test Name: Hexavalent Chromium,Ammonia,Trivalent Chromium,Anions Group1

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 11/14/2024.

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 analysis met criteria for all samples.

The Matrix Spike (COMP-1MS) analysis met criteria for all samples except for Chloride due to matrix interference.

The Matrix Spike Duplicate (COMP-1MSD) analysis met criteria for all samples except for Chloride due to matrix interference.

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_____

N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 11:27 am, Nov 26, 2024

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

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4852

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 Custody

✓

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: 11/26/2024

LAB CHRONICLE

OrderID:	P4852	OrderDate:	11/14/2024 11:23:00 AM
Client:	Kleinfelder	Project:	Webster School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	COMP-1	SOIL	VOCMS Group1	8260D	11/13/24		11/21/24	11/14/24
P4852-02	COMP-2	SOIL	VOCMS Group1	8260D	11/13/24		11/18/24	11/14/24
P4852-02RE	COMP-2RE	SOIL	VOCMS Group1	8260D	11/13/24		11/21/24	11/14/24
P4852-03	COMP-3	SOIL	VOCMS Group1	8260D	11/13/24		11/21/24	11/14/24

Hit Summary Sheet
SW-846

SDG No.: P4852
Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:				0				
Total Voc :								
Total Concentration:								

A
B
C
D
E
F
G



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	5.46 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
VY020377.D	1		11/21/24 11:25	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	5.50	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.50	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.50	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.50	ug/Kg
1330-20-7	Total Xylenes	2.27	U	2.27	16.5	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		50 - 163	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		29 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	137000	7.713			
540-36-3	1,4-Difluorobenzene	265000	8.616			
3114-55-4	Chlorobenzene-d5	249000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	91900	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.4
Sample Wt/Vol:	5.18 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080069.D	1		11/18/24 15:18	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.90	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.90	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.90	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.90	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.90	ug/Kg
1330-20-7	Total Xylenes	2.43	U	2.43	17.8	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	140	*	50 - 163	286%	SPK: 50
1868-53-7	Dibromofluoromethane	87.9	*	54 - 147	176%	SPK: 50
2037-26-5	Toluene-d8	41.6		58 - 134	83%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		29 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	10600	7.881			
540-36-3	1,4-Difluorobenzene	22700	8.781			
3114-55-4	Chlorobenzene-d5	22500	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	10100	13.516			

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2RE	SDG No.:	P4852
Lab Sample ID:	P4852-02RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.4
Sample Wt/Vol:	4.7 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
VY020378.D	1		11/21/24 11:49	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	6.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	6.50	ug/Kg
71-43-2	Benzene	0.94	U	0.94	6.50	ug/Kg
79-01-6	Trichloroethene	0.98	U	0.98	6.50	ug/Kg
108-88-3	Toluene	0.88	U	0.88	6.50	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	6.50	ug/Kg
1330-20-7	Total Xylenes	2.71	U	2.71	19.6	ug/Kg
98-82-8	Isopropylbenzene	0.88	U	0.88	6.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		50 - 163	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		54 - 147	97%	SPK: 50
2037-26-5	Toluene-d8	46.6		58 - 134	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.1		29 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60100	7.713			
540-36-3	1,4-Difluorobenzene	106000	8.615			
3114-55-4	Chlorobenzene-d5	91000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	32400	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

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.4
Sample Wt/Vol:	5.14 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
VY020379.D	1		11/21/24 12:12	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.67	U	0.67	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.86	U	0.86	5.50	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.50	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.50	ug/Kg
108-88-3	Toluene	0.74	U	0.74	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.50	ug/Kg
1330-20-7	Total Xylenes	2.27	U	2.27	16.5	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	48.7		58 - 134	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		29 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	134000	7.713			
540-36-3	1,4-Difluorobenzene	258000	8.616			
3114-55-4	Chlorobenzene-d5	237000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	92800	13.347			

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



QC SUMMARY

Surrogate Summary

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P4852-01	COMP-1	1,2-Dichloroethane-d4	50	58.6	117	50	163
		Dibromofluoromethane	50	50.6	101	54	147
		Toluene-d8	50	49.3	99	58	134
		4-Bromofluorobenzene	50	49.5	99	29	146
P4852-02	COMP-2	1,2-Dichloroethane-d4	50	143	286 *	50	163
		Dibromofluoromethane	50	87.8	176 *	54	147
		Toluene-d8	50	41.6	83	58	134
		4-Bromofluorobenzene	50	47.8	96	29	146
P4852-02RE	COMP-2RE	1,2-Dichloroethane-d4	50	50.2	100	50	163
		Dibromofluoromethane	50	48.7	97	54	147
		Toluene-d8	50	46.6	93	58	134
		4-Bromofluorobenzene	50	43.1	86	29	146
P4852-03	COMP-3	1,2-Dichloroethane-d4	50	53.2	106	50	163
		Dibromofluoromethane	50	49.3	99	54	147
		Toluene-d8	50	48.7	97	58	134
		4-Bromofluorobenzene	50	49.8	100	29	146
VD1118SBL01	VD1118SBL01	1,2-Dichloroethane-d4	50	49.5	99	50	163
		Dibromofluoromethane	50	48.9	98	54	147
		Toluene-d8	50	44.4	89	58	134
		4-Bromofluorobenzene	50	41.2	82	29	146
VD1118SBS01	VD1118SBS01	1,2-Dichloroethane-d4	50	49.4	99	50	163
		Dibromofluoromethane	50	49.8	100	54	147
		Toluene-d8	50	51.0	102	58	134
		4-Bromofluorobenzene	50	50.4	101	29	146
VD1118SBSD01	VD1118SBSD01	1,2-Dichloroethane-d4	50	48.0	96	50	163
		Dibromofluoromethane	50	50.2	100	54	147
		Toluene-d8	50	50.0	100	58	134
		4-Bromofluorobenzene	50	50.4	101	29	146
VY1121SBL01	VY1121SBL01	1,2-Dichloroethane-d4	50	51.9	104	50	163
		Dibromofluoromethane	50	48.5	97	54	147
		Toluene-d8	50	48.2	96	58	134
		4-Bromofluorobenzene	50	47.3	95	29	146
VY1121SBS01	VY1121SBS01	1,2-Dichloroethane-d4	50	46.0	92	50	163
		Dibromofluoromethane	50	43.7	87	54	147
		Toluene-d8	50	43.4	87	58	134
		4-Bromofluorobenzene	50	45.0	90	29	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8260D

Datafile : VD080060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VD1118SBS01	cis-1,2-Dichloroethene	20	18.4	ug/Kg	92			82	123	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			80	126	
	Benzene	20	19.3	ug/Kg	97			84	121	
	Trichloroethene	20	19.6	ug/Kg	98			83	122	
	Toluene	20	19.5	ug/Kg	98			83	122	
	Ethyl Benzene	20	18.5	ug/Kg	93			82	124	
	m/p-Xylenes	40	38.7	ug/Kg	97			83	124	
	o-Xylene	20	19.7	ug/Kg	99			83	123	
	Isopropylbenzene	20	18.5	ug/Kg	93			82	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8260D

Datafile : VD080061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VD1118SBSD01	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102	10		82	123	20
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	1		80	126	20
	Benzene	20	20.8	ug/Kg	104	7		84	121	20
	Trichloroethene	20	20.5	ug/Kg	103	5		83	122	20
	Toluene	20	21.3	ug/Kg	106	8		83	122	20
	Ethyl Benzene	20	19.3	ug/Kg	97	4		82	124	20
	m/p-Xylenes	40	39.5	ug/Kg	99	2		83	124	20
	o-Xylene	20	19.7	ug/Kg	99	0		83	123	20
	Isopropylbenzene	20	19.9	ug/Kg	100	7		82	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8260D

Datafile : VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1121SBS01	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			82	123	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Benzene	20	19.6	ug/Kg	98			84	121	
	Trichloroethene	20	19.3	ug/Kg	97			83	122	
	Toluene	20	19.3	ug/Kg	97			83	122	
	Ethyl Benzene	20	19.0	ug/Kg	95			82	124	
	m/p-Xylenes	40	39.2	ug/Kg	98			83	124	
	o-Xylene	20	19.5	ug/Kg	98			83	123	
	Isopropylbenzene	20	18.4	ug/Kg	92			82	124	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD1118SBL01

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: P4852

SAS No.: P4852 SDG NO.: P4852

Lab File ID: VD080059.D

Lab Sample ID: VD1118SBL01

Date Analyzed: 11/18/2024

Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD1118SBS01	VD1118SBS01	VD080060.D	11/18/2024
VD1118SBSD01	VD1118SBSD01	VD080061.D	11/18/2024
COMP-2	P4852-02	VD080069.D	11/18/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1121SBL01

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: P4852

SAS No.: P4852 SDG NO.: P4852

Lab File ID: VY020374.D

Lab Sample ID: VY1121SBL01

Date Analyzed: 11/21/2024

Time Analyzed: 09:59

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
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024
COMP-1	P4852-01	VY020377.D	11/21/2024
COMP-2RE	P4852-02RE	VY020378.D	11/21/2024
COMP-3	P4852-03	VY020379.D	11/21/2024

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VD080019.D BFB Injection Date: 11/15/2024
Instrument ID: MSVOA_D BFB Injection Time: 09:14
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	90.2
175	5.0 - 9.0% of mass 174	7.3 (8.1) 1
176	95.0 - 101.0% of mass 174	87.4 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (6.7) 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
VSTDIC005	VSTDIC005	VD080020.D	11/15/2024	10:04
VSTDIC010	VSTDIC010	VD080021.D	11/15/2024	10:31
VSTDIC020	VSTDIC020	VD080022.D	11/15/2024	10:58
VSTDIC050	VSTDIC050	VD080023.D	11/15/2024	11:24
VSTDIC100	VSTDIC100	VD080024.D	11/15/2024	11:51
VSTDIC150	VSTDIC150	VD080025.D	11/15/2024	12:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VD080057.D BFB Injection Date: 11/18/2024
Instrument ID: MSVOA_D BFB Injection Time: 09:21
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	93
175	5.0 - 9.0% of mass 174	7.3 (7.9) 1
176	95.0 - 101.0% of mass 174	92 (98.9) 1
177	5.0 - 9.0% of mass 176	5.8 (6.3) 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	VD080058.D	11/18/2024	09:51
VD1118SBL01	VD1118SBL01	VD080059.D	11/18/2024	10:27
VD1118SBS01	VD1118SBS01	VD080060.D	11/18/2024	10:55
VD1118SBSD01	VD1118SBSD01	VD080061.D	11/18/2024	11:22
COMP-2	P4852-02	VD080069.D	11/18/2024	15:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VY020337.D BFB Injection Date: 11/19/2024
Instrument ID: MSVOA_Y BFB Injection Time: 14:40
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	21.7
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.4 (7.8) 1
176	95.0 - 101.0% of mass 174	79 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 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	VY020338.D	11/19/2024	15:49
VSTDICC010	VSTDICC010	VY020339.D	11/19/2024	16:12
VSTDICC020	VSTDICC020	VY020340.D	11/19/2024	16:35
VSTDICC050	VSTDICC050	VY020341.D	11/19/2024	16:57
VSTDICC100	VSTDICC100	VY020342.D	11/19/2024	17:20
VSTDICC150	VSTDICC150	VY020343.D	11/19/2024	17:42

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VY020372.D BFB Injection Date: 11/21/2024
Instrument ID: MSVOA_Y BFB Injection Time: 08:32
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	21.5
75	30.0 - 60.0% of mass 95	55.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 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	VY020373.D	11/21/2024	09:25
VY1121SBL01	VY1121SBL01	VY020374.D	11/21/2024	09:59
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024	10:39
COMP-1	P4852-01	VY020377.D	11/21/2024	11:25
COMP-2RE	P4852-02RE	VY020378.D	11/21/2024	11:49
COMP-3	P4852-03	VY020379.D	11/21/2024	12:12

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VD080058.D Date Analyzed: 11/18/2024
Instrument ID: MSVOA_D Time Analyzed: 09:51
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	175845	7.88	262205	8.78	246582	11.58
UPPER LIMIT	351690	8.375	524410	9.281	493164	12.081
LOWER LIMIT	87922.5	7.375	131103	8.281	123291	11.081
EPA SAMPLE NO.						
COMP-2	10618 *	7.88	22667 *	8.78	22496 *	11.58
VD1118SBL01	175706	7.88	294729	8.78	273326	11.58
VD1118SBS01	178101	7.88	282863	8.78	258933	11.58
VD1118SBSD01	185362	7.88	285036	8.78	278035	11.58

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VD080058.D Date Analyzed: 11/18/2024
Instrument ID: MSVOA_D Time Analyzed: 09:51
GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	138959	13.516				
UPPER LIMIT	277918	14.016				
LOWER LIMIT	69479.5	13.016				
EPA SAMPLE NO.						
COMP-2	10070 *	13.52				
VD1118SBL01	122131	13.52				
VD1118SBS01	141556	13.52				
VD1118SBSD01	143766	13.52				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VY020373.D Date Analyzed: 11/21/2024
Instrument ID: MSVOA_Y Time Analyzed: 09:25
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	191018	7.71	313957	8.62	263957	11.42
UPPER LIMIT	382036	8.213	627914	9.122	527914	11.92
LOWER LIMIT	95509	7.213	156979	8.122	131979	10.92
EPA SAMPLE NO.						
COMP-1	137407	7.71	264667	8.62	248534	11.42
COMP-2RE	60112 *	7.71	106378 *	8.62	90999 *	11.42
COMP-3	134247	7.71	257659	8.62	237210	11.41
VY1121SBL01	139506	7.71	270751	8.62	245370	11.42
VY1121SBS01	180247	7.71	303523	8.62	255135	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852
Lab File ID: VY020373.D Date Analyzed: 11/21/2024
Instrument ID: MSVOA_Y Time Analyzed: 09:25
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	121826	13.352				
UPPER LIMIT	243652	13.852				
LOWER LIMIT	60913	12.852				
EPA SAMPLE NO.						
COMP-1	91897	13.35				
COMP-2RE	32365 *	13.35				
COMP-3	92815	13.35				
VY1121SBL01	89046	13.35				
VY1121SBS01	121310	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4852
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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	49.5		50 - 163	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		54 - 147	98%	SPK: 50
2037-26-5	Toluene-d8	44.4		58 - 134	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		29 - 146	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	7.875			
540-36-3	1,4-Difluorobenzene	295000	8.781			
3114-55-4	Chlorobenzene-d5	273000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.516			

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4852
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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	51.9		50 - 163	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		54 - 147	97%	SPK: 50
2037-26-5	Toluene-d8	48.2		58 - 134	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		29 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.713			
540-36-3	1,4-Difluorobenzene	271000	8.616			
3114-55-4	Chlorobenzene-d5	245000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	89000	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4852
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	18.4		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.78	5.00	ug/Kg
71-43-2	Benzene	19.3		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	5.00	ug/Kg
108-88-3	Toluene	19.5		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.5		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	58.4		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		50 - 163	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		58 - 134	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	7.875			
540-36-3	1,4-Difluorobenzene	283000	8.775			
3114-55-4	Chlorobenzene-d5	259000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.516			

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4852
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	18.9		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.78	5.00	ug/Kg
71-43-2	Benzene	19.6		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
108-88-3	Toluene	19.3		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	58.7		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		50 - 163	92%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		54 - 147	87%	SPK: 50
2037-26-5	Toluene-d8	43.3		58 - 134	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		29 - 146	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.713			
540-36-3	1,4-Difluorobenzene	304000	8.616			
3114-55-4	Chlorobenzene-d5	255000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	121000	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

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4852
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.3		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.78	5.00	ug/Kg
71-43-2	Benzene	20.8		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.75	5.00	ug/Kg
108-88-3	Toluene	21.3		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	59.2		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		50 - 163	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		54 - 147	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	7.875			
540-36-3	1,4-Difluorobenzene	285000	8.781			
3114-55-4	Chlorobenzene-d5	278000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.516			

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VD080020.D		RRF010 = VD080021.D		RRF020 = VD080022.D		
		RRF050 = VD080023.D		RRF100 = VD080024.D		RRF150 = VD080025.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
cis-1,2-Dichloroethene	0.665	0.649	0.620	0.656	0.675	0.679	0.657	3.2
1,1,1-Trichloroethane	0.970	0.930	0.851	0.869	0.864	0.867	0.892	5.3
Benzene	1.391	1.430	1.351	1.436	1.439	1.463	1.418	2.8
Trichloroethene	0.378	0.389	0.341	0.361	0.361	0.372	0.367	4.5
Toluene	0.814	0.864	0.823	0.917	0.927	0.945	0.881	6.4
Ethyl Benzene	1.740	1.714	1.693	1.866	1.965	2.002	1.830	7.3
m/p-Xylenes	0.647	0.688	0.683	0.727	0.766	0.780	0.715	7.2
o-Xylene	0.542	0.595	0.604	0.670	0.720	0.726	0.643	11.5
Isopropylbenzene	3.045	3.093	2.974	3.271	3.463	3.501	3.224	6.9
1,2-Dichloroethane-d4	0.554	0.532	0.451	0.526	0.504	0.523	0.515	6.8
Dibromofluoromethane	0.335	0.357	0.285	0.338	0.329	0.354	0.333	7.8
Toluene-d8	1.162	1.249	1.087	1.330	1.303	1.393	1.254	9
4-Bromofluorobenzene	0.388	0.392	0.353	0.435	0.437	0.464	0.411	9.9

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID:		RRF005 = VY020338.D		RRF010 = VY020339.D		RRF020 = VY020340.D		
		RRF050 = VY020341.D		RRF100 = VY020342.D		RRF150 = VY020343.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
cis-1,2-Dichloroethene	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.9
1,1,1-Trichloroethane	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.3
Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.2
Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.5
Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	6
Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.7
m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.4
o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.4
Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	8
1,2-Dichloroethane-d4	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.3
Dibromofluoromethane	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.2
Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.9
4-Bromofluorobenzene	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.5

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: MSVOA_D Calibration Date/Time: 11/18/2024 09:51

Lab File ID: VD080058.D Init. Calib. Date(s): 11/14/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 18:02 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.663	0.682		2.87	20
1,1,1-Trichloroethane	0.906	0.953		5.19	20
Benzene	1.463	1.574		7.59	20
Trichloroethene	0.378	0.403		6.61	20
Toluene	0.910	1.039		14.18	20
Ethyl Benzene	1.863	2.115		13.53	20
m/p-Xylenes	0.731	0.835		14.23	20
o-Xylene	0.661	0.755		14.22	20
Isopropylbenzene	3.255	3.560		9.37	20
1,2-Dichloroethane-d4	0.514	0.514		0	20
Dibromofluoromethane	0.334	0.359		7.49	20
Toluene-d8	1.259	1.382		9.77	20
4-Bromofluorobenzene	0.418	0.467		11.72	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.667	0.667		0	20
1,1,1-Trichloroethane	0.995	1.042		4.72	20
Benzene	1.435	1.479		3.07	20
Trichloroethene	0.340	0.348		2.35	20
Toluene	0.877	0.905		3.19	20
Ethyl Benzene	2.057	2.103		2.24	20
m/p-Xylenes	0.741	0.763		2.97	20
o-Xylene	0.703	0.723		2.85	20
Isopropylbenzene	4.236	4.245		0.21	20
1,2-Dichloroethane-d4	0.574	0.598		4.18	20
Dibromofluoromethane	0.321	0.316		-1.56	20
Toluene-d8	1.263	1.242		-1.66	20
4-Bromofluorobenzene	0.406	0.415		2.22	20

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

LAB CHRONICLE

OrderID:	P4852	OrderDate:	11/14/2024 11:23:00 AM
Client:	Kleinfelder	Project:	Webster School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	COMP-1	SOIL	SVOCMS Group1	8270E	11/13/24	11/15/24	11/19/24	11/14/24
P4852-02	COMP-2	SOIL	SVOCMS Group1	8270E	11/13/24	11/15/24	11/19/24	11/14/24
P4852-03	COMP-3	SOIL	SVOCMS Group1	8270E	11/13/24	11/15/24	11/19/24	11/14/24

Hit Summary Sheet SW-846

SDG No.: P4852
Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P4852-01	COMP-1	SOIL	Phenanthrene	130.000	J	100	200	ug/Kg
P4852-01	COMP-1	SOIL	Pyrene	170.000	J	99.6	200	ug/Kg
Total Svoc :				300.00				
Total Concentration:				300.00				
Client ID : COMP-2								
P4852-02	COMP-2	SOIL	Phenanthrene	550.000		100	210	ug/Kg
P4852-02	COMP-2	SOIL	Anthracene	130.000	J	100	210	ug/Kg
P4852-02	COMP-2	SOIL	Pyrene	640.000		100	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(a)anthracene	360.000		99	210	ug/Kg
P4852-02	COMP-2	SOIL	Chrysene	330.000		97.5	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(b)fluoranthene	340.000		99.5	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(a)pyrene	320.000		110	210	ug/Kg
P4852-02	COMP-2	SOIL	Benzo(g,h,i)perylene	150.000	J	98.2	210	ug/Kg
Total Svoc :				2,820.00				
Total Concentration:				2,820.00				
Client ID : COMP-3								
P4852-03	COMP-3	SOIL	Phenanthrene	150.000	J	94.9	190	ug/Kg
P4852-03	COMP-3	SOIL	Pyrene	240.000		93.8	190	ug/Kg
P4852-03	COMP-3	SOIL	Benzo(a)anthracene	140.000	J	91.2	190	ug/Kg
P4852-03	COMP-3	SOIL	Chrysene	140.000	J	89.8	190	ug/Kg
P4852-03	COMP-3	SOIL	Benzo(b)fluoranthene	150.000	J	91.7	190	ug/Kg
P4852-03	COMP-3	SOIL	Benzo(a)pyrene	130.000	J	110	190	ug/Kg
Total Svoc :				950.00				
Total Concentration:				950.00				



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.2
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
BF140468.D	1	11/15/24 09:30	11/19/24 12:54	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

TARGETS

78-59-1	Isophorone	100	U	100	200	ug/Kg
91-20-3	Naphthalene	99.1	U	99.1	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
85-01-8	Phenanthrene	130	J	100	200	ug/Kg
120-12-7	Anthracene	100	U	100	200	ug/Kg
129-00-0	Pyrene	170	J	99.6	200	ug/Kg
56-55-3	Benzo(a)anthracene	96.9	U	96.9	200	ug/Kg
218-01-9	Chrysene	95.4	U	95.4	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.3	U	97.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.1	U	96.1	200	ug/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	54.8		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.2		20 - 109	56%	SPK: 100
1718-51-0	Terphenyl-d14	56.9		10 - 105	57%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	155000	6.869
1146-65-2	Naphthalene-d8	580000	8.151
15067-26-2	Acenaphthene-d10	319000	9.904
1517-22-2	Phenanthrene-d10	582000	11.392
1719-03-5	Chrysene-d12	316000	14.051
1520-96-3	Perylene-d12	288000	15.568

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOCMS Group1
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140468.D	1	11/15/24 09:30	11/19/24 12:54	PB164993

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.4
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
BF140469.D	1	11/15/24 09:30	11/19/24 13:21	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

TARGETS

78-59-1	Isophorone	100	U	100	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	550		100	210	ug/Kg
120-12-7	Anthracene	130	J	100	210	ug/Kg
129-00-0	Pyrene	640		100	210	ug/Kg
56-55-3	Benzo(a)anthracene	360		99.0	210	ug/Kg
218-01-9	Chrysene	330		97.5	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	340		99.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	320		110	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	98.2	210	ug/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	69.0		18 - 107	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.5		20 - 109	68%	SPK: 100
1718-51-0	Terphenyl-d14	70.8		10 - 105	71%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	149000	6.869
1146-65-2	Naphthalene-d8	570000	8.151
15067-26-2	Acenaphthene-d10	315000	9.904
1517-22-2	Phenanthrene-d10	555000	11.398
1719-03-5	Chrysene-d12	289000	14.051
1520-96-3	Perylene-d12	281000	15.562

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000 uL
		Test:	SVOCMS Group1
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140469.D	1	11/15/24 09:30	11/19/24 13:21	PB164993

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.03 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
BF140470.D	1	11/15/24 09:30	11/19/24 13:47	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

TARGETS

78-59-1	Isophorone	95.6	U	95.6	190	ug/Kg
91-20-3	Naphthalene	93.3	U	93.3	190	ug/Kg
86-73-7	Fluorene	96.6	U	96.6	190	ug/Kg
85-01-8	Phenanthrene	150	J	94.9	190	ug/Kg
120-12-7	Anthracene	95.4	U	95.4	190	ug/Kg
129-00-0	Pyrene	240		93.8	190	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	91.2	190	ug/Kg
218-01-9	Chrysene	140	J	89.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	91.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	110	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	90.5	U	90.5	190	ug/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	83.1		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.4		20 - 109	82%	SPK: 100
1718-51-0	Terphenyl-d14	89.5		10 - 105	90%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	153000	6.869
1146-65-2	Naphthalene-d8	580000	8.151
15067-26-2	Acenaphthene-d10	312000	9.904
1517-22-2	Phenanthrene-d10	554000	11.398
1719-03-5	Chrysene-d12	282000	14.045
1520-96-3	Perylene-d12	284000	15.545

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group1
	Decanted :	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
BF140470.D	1	11/15/24 09:30	11/19/24 13:47	PB164993

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



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
P4852-01	COMP-1	Nitrobenzene-d5	100	54.8	55		18	107
		2-Fluorobiphenyl	100	56.2	56		20	109
		Terphenyl-d14	100	56.9	57		10	105
P4852-02	COMP-2	Nitrobenzene-d5	100	69.0	69		18	107
		2-Fluorobiphenyl	100	68.5	68		20	109
		Terphenyl-d14	100	70.8	71		10	105
P4852-03	COMP-3	Nitrobenzene-d5	100	83.1	83		18	107
		2-Fluorobiphenyl	100	82.4	82		20	109
		Terphenyl-d14	100	89.5	90		10	105
P4852-03MS	COMP-3MS	Nitrobenzene-d5	100	79.2	79		18	107
		2-Fluorobiphenyl	100	78.1	78		20	109
		Terphenyl-d14	100	84.8	85		10	105
P4852-03MSD	COMP-3MSD	Nitrobenzene-d5	100	76.6	77		18	107
		2-Fluorobiphenyl	100	74.1	74		20	109
		Terphenyl-d14	100	80.4	80		10	105
PB164993BL	PB164993BL	Nitrobenzene-d5	100	82.1	82		18	107
		2-Fluorobiphenyl	100	82.1	82		20	109
		Terphenyl-d14	100	82.8	83		10	105
PB164993BS	PB164993BS	Nitrobenzene-d5	100	83.2	83		18	107
		2-Fluorobiphenyl	100	83.1	83		20	109
		Terphenyl-d14	100	99.7	100		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4852-03MS		Client Sample ID: COMP-3MS		DataFile: BF140471.D							
Isophorone	1900	0	1900	ug/Kg	100				76	122	
Naphthalene	1900	0	1800	ug/Kg	95				72	110	
Fluorene	1900	0	1800	ug/Kg	95				68	116	
Phenanthrene	1900	150	2000	ug/Kg	97				52	128	
Anthracene	1900	0	2000	ug/Kg	105				62	124	
Pyrene	1900	240	2200	ug/Kg	103				26	142	
Benzo(a)anthracene	1900	140	2100	ug/Kg	103				71	114	
Chrysene	1900	140	2100	ug/Kg	103				57	121	
Benzo(b)fluoranthene	1900	150	1800	ug/Kg	87				67	121	
Benzo(a)pyrene	1900	130	2100	ug/Kg	104				70	142	
Benzo(g,h,i)perylene	1900	0	1700	ug/Kg	89				24	125	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P4852-03MSD		Client Sample ID: COMP-3MSD		DataFile: BF140472.D							
Isophorone	1900	0	1800	ug/Kg	95		5		76	122	20
Naphthalene	1900	0	1800	ug/Kg	95		0		72	110	20
Fluorene	1900	0	1700	ug/Kg	89		7		68	116	20
Phenanthrene	1900	150	1900	ug/Kg	92		5		52	128	20
Anthracene	1900	0	1900	ug/Kg	100		5		62	124	20
Pyrene	1900	240	2100	ug/Kg	98		5		26	142	20
Benzo(a)anthracene	1900	140	2100	ug/Kg	103		0		71	114	20
Chrysene	1900	140	1900	ug/Kg	93		10		57	121	20
Benzo(b)fluoranthene	1900	150	1800	ug/Kg	87		0		67	121	20
Benzo(a)pyrene	1900	130	2100	ug/Kg	104		0		70	142	20
Benzo(g,h,i)perylene	1900	0	1600	ug/Kg	84		6		24	125	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8270E DataFile: BF140419.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164993BS	Isophorone	1700	1400	ug/Kg	82				59	99		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	Phenanthrene	1700	1400	ug/Kg	82				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Pyrene	1700	1600	ug/Kg	94				59	103		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164993BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: P4852

SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140418.D

Lab Sample ID: PB164993BL

Instrument ID: BNA_F

Date Extracted: 11/15/2024

Matrix: (soil/water) SOIL

Date Analyzed: 11/16/2024

Level: (low/med) LOW

Time Analyzed: 10:02

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB164993BS	PB164993BS	BF140419.D	11/16/2024
COMP-1	P4852-01	BF140468.D	11/19/2024
COMP-2	P4852-02	BF140469.D	11/19/2024
COMP-3	P4852-03	BF140470.D	11/19/2024
COMP-3MS	P4852-03MS	BF140471.D	11/19/2024
COMP-3MSD	P4852-03MSD	BF140472.D	11/19/2024

COMMENTS: _____

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM

SAS No.: P4852

SDG NO.: P4852

Lab File ID: BF140331.D

DFTPP Injection Date: 11/13/2024

Instrument ID: BNA_F

DFTPP Injection Time: 08:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
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	6.4
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.7 (18.8) 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	BF140332.D	11/13/2024	09:01
SSTDICC005	SSTDICC005	BF140333.D	11/13/2024	09:27
SSTDICC010	SSTDICC010	BF140334.D	11/13/2024	09:53
SSTDICC020	SSTDICC020	BF140335.D	11/13/2024	10:29
SSTDICC050	SSTDICC050	BF140337.D	11/13/2024	11:21
SSTDICC060	SSTDICC060	BF140338.D	11/13/2024	11:47
SSTDICC080	SSTDICC080	BF140339.D	11/13/2024	12:13
SSTDICCC040	SSTDICCC040	BF140340.D	11/13/2024	12:48

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM

SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140416.D

DFTPP Injection Date: 11/16/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
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	6.8
275	10.0 - 60.0% of mass 198	28.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.7) 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	BF140417.D	11/16/2024	09:34
PB164993BL	PB164993BL	BF140418.D	11/16/2024	10:02
PB164993BS	PB164993BS	BF140419.D	11/16/2024	10:28

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM

SAS No.: P4852 SDG NO.: P4852

Lab File ID: BF140462.D

DFTPP Injection Date: 11/19/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.9
197	Less than 2.0% of mass 198	0.8
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17 (18.5) 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	BF140463.D	11/19/2024	10:34
COMP-1	P4852-01	BF140468.D	11/19/2024	12:54
COMP-2	P4852-02	BF140469.D	11/19/2024	13:21
COMP-3	P4852-03	BF140470.D	11/19/2024	13:47
COMP-3MS	P4852-03MS	BF140471.D	11/19/2024	14:13
COMP-3MSD	P4852-03MSD	BF140472.D	11/19/2024	14:39

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	171491	6.875	639592	8.16	364979	9.92
UPPER LIMIT	342982	7.375	1279180	8.657	729958	10.416
LOWER LIMIT	85745.5	6.375	319796	7.657	182490	9.416
EPA SAMPLE NO.						
01 PB164993BL	168054	6.88	642488	8.15	365710	9.91
02 PB164993BS	169538	6.88	648089	8.16	365262	9.92

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/16/2024

Lab File ID: BF140417.D Time Analyzed: 09:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	687284	11.404	387415	14.051	336604	15.545
UPPER LIMIT	1374570	11.904	774830	14.551	673208	16.045
LOWER LIMIT	343642	10.904	193708	13.551	168302	15.045
EPA SAMPLE NO.						
01 PB164993BL	717042	11.40	477442	14.05	394046	15.55
02 PB164993BS	688745	11.40	378177	14.06	337908	15.55

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/19/2024

Lab File ID: BF140463.D Time Analyzed: 10:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	137275	6.875	502770	8.16	278131	9.91
UPPER LIMIT	274550	7.375	1005540	8.657	556262	10.41
LOWER LIMIT	68637.5	6.375	251385	7.657	139066	9.41
EPA SAMPLE NO.						
01 COMP-1	154847	6.87	579716	8.15	318630	9.90
02 COMP-2	149238	6.87	570099	8.15	314788	9.90
03 COMP-3	152696	6.87	579902	8.15	312197	9.90
04 COMP-3MS	159273	6.88	604441	8.16	329881	9.91
05 COMP-3MSD	160639	6.88	617685	8.15	339230	9.91

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

EPA Sample No.: SSTDCCC040 Date Analyzed: 11/19/2024

Lab File ID: BF140463.D Time Analyzed: 10:34

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	524892	11.398	344697	14.069	292973	15.592
UPPER LIMIT	1049780	11.898	689394	14.569	585946	16.092
LOWER LIMIT	262446	10.898	172349	13.569	146487	15.092
EPA SAMPLE NO.						
01 COMP-1	582083	11.39	316058	14.05	288064	15.57
02 COMP-2	554705	11.40	289074	14.05	280792	15.56
03 COMP-3	553548	11.40	281611	14.05	283940	15.55
04 COMP-3MS	587430	11.40	297623	14.06	301999	15.56
05 COMP-3MSD	599763	11.40	308205	14.05	312291	15.53

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164993BL	SDG No.:	P4852
Lab Sample ID:	PB164993BL	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
BF140418.D	1	11/15/24 09:30	11/16/24 10:02	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	84.6	U	84.6	170	ug/Kg
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
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	82.1		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		20 - 109	82%	SPK: 100
1718-51-0	Terphenyl-d14	82.8		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.875			
1146-65-2	Naphthalene-d8	642000	8.151			
15067-26-2	Acenaphthene-d10	366000	9.91			
1517-22-2	Phenanthrene-d10	717000	11.404			
1719-03-5	Chrysene-d12	477000	14.051			
1520-96-3	Perylene-d12	394000	15.551			

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164993BL	SDG No.:	P4852
Lab Sample ID:	PB164993BL	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
BF140418.D	1	11/15/24 09:30	11/16/24 10:02	PB164993

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164993BS	SDG No.:	P4852
Lab Sample ID:	PB164993BS	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
BF140419.D	1	11/15/24 09:30	11/16/24 10:28	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
78-59-1	Isophorone	1400		84.5	170	ug/Kg
91-20-3	Naphthalene	1400		82.5	170	ug/Kg
86-73-7	Fluorene	1400		85.4	170	ug/Kg
85-01-8	Phenanthrene	1400		83.9	170	ug/Kg
120-12-7	Anthracene	1500		84.3	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	170	ug/Kg
218-01-9	Chrysene	1500		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		81.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	83.2		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.1		20 - 109	83%	SPK: 100
1718-51-0	Terphenyl-d14	99.7		10 - 105	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	170000	6.875			
1146-65-2	Naphthalene-d8	648000	8.157			
15067-26-2	Acenaphthene-d10	365000	9.916			
1517-22-2	Phenanthrene-d10	689000	11.404			
1719-03-5	Chrysene-d12	378000	14.057			
1520-96-3	Perylene-d12	338000	15.545			

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164993BS	SDG No.:	P4852
Lab Sample ID:	PB164993BS	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
BF140419.D	1	11/15/24 09:30	11/16/24 10:28	PB164993

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3MS	SDG No.:	P4852
Lab Sample ID:	P4852-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
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
BF140471.D	1	11/15/24 09:30	11/19/24 14:13	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

TARGETS

78-59-1	Isophorone	1900		95.4	190	ug/Kg
91-20-3	Naphthalene	1800		93.2	190	ug/Kg
86-73-7	Fluorene	1800		96.5	190	ug/Kg
85-01-8	Phenanthrene	2000		94.8	190	ug/Kg
120-12-7	Anthracene	2000		95.2	190	ug/Kg
129-00-0	Pyrene	2200		93.6	190	ug/Kg
56-55-3	Benzo(a)anthracene	2100		91.0	190	ug/Kg
218-01-9	Chrysene	2100		89.7	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		91.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		90.4	190	ug/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	79.2		18 - 107	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		20 - 109	78%	SPK: 100
1718-51-0	Terphenyl-d14	84.8		10 - 105	85%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	159000	6.875
1146-65-2	Naphthalene-d8	604000	8.157
15067-26-2	Acenaphthene-d10	330000	9.91
1517-22-2	Phenanthrene-d10	587000	11.398
1719-03-5	Chrysene-d12	298000	14.057
1520-96-3	Perylene-d12	302000	15.563

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3MS	SDG No.:	P4852
Lab Sample ID:	P4852-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
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
BF140471.D	1	11/15/24 09:30	11/19/24 14:13	PB164993

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3MSD	SDG No.:	P4852
Lab Sample ID:	P4852-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
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
BF140472.D	1	11/15/24 09:30	11/19/24 14:39	PB164993

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
------------	-----------	-------	-----------	-----	------------	-------------------

TARGETS

78-59-1	Isophorone	1800		95.5	190	ug/Kg
91-20-3	Naphthalene	1800		93.3	190	ug/Kg
86-73-7	Fluorene	1700		96.5	190	ug/Kg
85-01-8	Phenanthrene	1900		94.8	190	ug/Kg
120-12-7	Anthracene	1900		95.3	190	ug/Kg
129-00-0	Pyrene	2100		93.7	190	ug/Kg
56-55-3	Benzo(a)anthracene	2100		91.1	190	ug/Kg
218-01-9	Chrysene	1900		89.8	190	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		91.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		90.4	190	ug/Kg

SURROGATES

4165-60-0	Nitrobenzene-d5	76.6		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		20 - 109	74%	SPK: 100
1718-51-0	Terphenyl-d14	80.4		10 - 105	80%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	161000	6.875
1146-65-2	Naphthalene-d8	618000	8.151
15067-26-2	Acenaphthene-d10	339000	9.91
1517-22-2	Phenanthrene-d10	600000	11.398
1719-03-5	Chrysene-d12	308000	14.045
1520-96-3	Perylene-d12	312000	15.527

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3MSD	SDG No.:	P4852
Lab Sample ID:	P4852-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.4
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
BF140472.D	1	11/15/24 09:30	11/19/24 14:39	PB164993

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

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111324.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 13 14:40:06 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF140332.D 5 =BF140333.D 10 =BF140334.D 20 =BF140335.D 40 =BF140340.D 50 =BF140337.D 60 =BF140338.D 80 =BF140339.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.582	0.546	0.530	0.515	0.495	0.506	0.480	0.522	6.53	
3) Pyridine	1.430	1.343	1.323	1.316	1.189	1.237	1.147	1.283	7.61	
4) n-Nitrosodimet...	0.658	0.632	0.651	0.659	0.644	0.671	0.627	0.649	2.39	
5) S 2-Fluorophenol	1.329	1.257	1.223	1.150	1.090	1.118	1.032	1.171	8.84	
6) Aniline	1.587	1.527	1.495	1.451	1.267	1.270	1.066	1.381	13.42	
7) S Phenol-d6	1.773	1.691	1.643	1.605	1.483	1.507	1.407	1.587	8.09	
8) 2-Chlorophenol	1.397	1.349	1.332	1.263	1.176	1.184	1.106	1.258	8.49	
9) Benzaldehyde	1.101	1.087	1.017	0.891	0.828	0.783	0.951	14.32		
10) C Phenol	1.799	1.793	1.743	1.724	1.582	1.597	1.478	1.674	7.31	
11) bis(2-Chloroet...	1.359	1.294	1.306	1.263	1.227	1.249	1.179	1.268	4.60	
12) 1,3-Dichlorobe...	1.585	1.475	1.454	1.374	1.291	1.317	1.221	1.388	8.98	
13) C 1,4-Dichlorobe...	1.590	1.534	1.486	1.391	1.306	1.326	1.221	1.408	9.49	
14) 1,2-Dichlorobe...	1.494	1.429	1.398	1.294	1.212	1.214	1.108	1.307	10.63	
15) Benzyl Alcohol	1.172	1.193	1.199	1.211	1.100	1.108	1.020	1.143	6.10	
16) 2,2'-oxybis(1-...	1.906	1.826	1.815	1.816	1.666	1.684	1.549	1.752	7.01	
17) 2-Methylphenol	1.092	1.062	1.072	1.064	0.998	1.016	0.942	1.035	5.07	
18) Hexachloroethane	0.562	0.543	0.550	0.514	0.500	0.506	0.468	0.520	6.30	
19) P n-Nitroso-di-n...	1.032	1.029	1.003	0.986	0.982	0.883	0.905	0.848	0.959	7.30
20) 3+4-Methylphenols	1.436	1.427	1.359	1.351	1.200	1.198	1.091	1.294	10.21	

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.532	0.508	0.481	0.450	0.434	0.441	0.411	0.465	9.35	
23) S Nitrobenzene-d5	0.411	0.401	0.399	0.375	0.368	0.379	0.354	0.384	5.28	
24) Nitrobenzene	0.423	0.421	0.406	0.393	0.390	0.394	0.371	0.400	4.61	
25) Isophorone	0.736	0.702	0.692	0.674	0.654	0.671	0.634	0.680	4.87	
26) C 2-Nitrophenol	0.175	0.179	0.181	0.179	0.175	0.181	0.171	0.177	1.99	
27) 2,4-Dimethylph...	0.238	0.236	0.232	0.223	0.221	0.227	0.214	0.227	3.86	
28) bis(2-Chloroet...	0.461	0.442	0.430	0.407	0.398	0.404	0.379	0.417	6.80	
29) C 2,4-Dichloroph...	0.307	0.296	0.287	0.275	0.272	0.272	0.255	0.281	6.20	
30) 1,2,4-Trichlor...	0.346	0.331	0.325	0.302	0.298	0.301	0.283	0.312	7.15	
31) Naphthalene	1.160	1.105	1.064	0.982	0.950	0.955	0.886	1.015	9.60	
32) Benzoic acid	0.162	0.178	0.180	0.212	0.215	0.226	0.226	0.200	13.01	
33) 4-Chloroaniline	0.390	0.386	0.370	0.340	0.333	0.340	0.311	0.353	8.36	
34) C Hexachlorobuta...	0.220	0.214	0.210	0.193	0.188	0.190	0.178	0.199	7.73	
35) Caprolactam	0.098	0.093	0.094	0.092	0.091	0.095	0.089	0.093	3.27	
36) C 4-Chloro-3-met...	0.331	0.327	0.320	0.309	0.299	0.304	0.287	0.311	5.14	
37) 2-Methylnaphth...	0.751	0.706	0.683	0.632	0.610	0.607	0.565	0.651	10.01	
38) 1-Methylnaphth...	0.734	0.696	0.673	0.625	0.589	0.592	0.550	0.637	10.39	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF111324.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.646	0.585	0.583	0.531	0.524	0.517	0.485	0.553	9.85	
41) P	Hexachlorocycl...	0.111	0.143	0.139	0.156	0.159	0.145	0.142	12.04		
42) S	2,4,6-Tribromo...	0.220	0.211	0.207	0.193	0.191	0.189	0.182	0.199	6.88	
43) C	2,4,6-Trichlor...	0.380	0.374	0.374	0.360	0.360	0.352	0.341	0.363	3.87	
44)	2,4,5-Trichlor...	0.421	0.417	0.412	0.389	0.387	0.390	0.361	0.397	5.41	
45) S	2-Fluorobiphenyl	1.524	1.396	1.351	1.172	1.125	1.110	1.031	1.244	14.50	
46)	1,1'-Biphenyl	1.690	1.571	1.565	1.404	1.368	1.343	1.244	1.455	10.80	
47)	2-Chloronaphth...	1.279	1.182	1.149	1.065	1.064	1.049	0.971	1.108	9.20	
48)	2-Nitroaniline	0.378	0.365	0.384	0.364	0.365	0.366	0.351	0.368	2.91	
49)	Acenaphthylene	1.940	1.802	1.786	1.636	1.582	1.552	1.441	1.677	10.29	
50)	Dimethylphthalate	1.464	1.358	1.371	1.261	1.246	1.244	1.181	1.304	7.47	
51)	2,6-Dinitrotol...	0.317	0.303	0.313	0.297	0.291	0.289	0.268	0.297	5.57	
52) C	Acenaphthene	1.259	1.204	1.192	1.096	1.091	1.079	1.006	1.133	7.78	
53)	3-Nitroaniline	0.333	0.327	0.335	0.310	0.307	0.298	0.275	0.312	6.92	
54) P	2,4-Dinitrophenol	0.109	0.148	0.147	0.178	0.170	0.168	0.153	16.27		
55)	Dibenzofuran	1.904	1.736	1.715	1.558	1.502	1.466	1.344	1.603	11.92	
56) P	4-Nitrophenol	0.199	0.217	0.239	0.236	0.240	0.237	0.225	0.228	6.67	
57)	2,4-Dinitrotol...	0.414	0.400	0.417	0.387	0.387	0.382	0.351	0.391	5.77	
58)	Fluorene	1.525	1.403	1.365	1.202	1.168	1.137	1.066	1.267	13.14	
59)	2,3,4,6-Tetrac...	0.322	0.328	0.326	0.318	0.308	0.302	0.288	0.313	4.61	
60)	Diethylphthalate	1.525	1.417	1.398	1.287	1.272	1.246	1.185	1.333	8.85	
61)	4-Chlorophenyl...	0.739	0.688	0.669	0.604	0.583	0.567	0.528	0.625	12.01	
62)	4-Nitroaniline	0.335	0.325	0.328	0.319	0.316	0.313	0.297	0.319	3.86	
63)	Azobenzene	1.498	1.391	1.380	1.293	1.251	1.244	1.163	1.317	8.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.080	0.098	0.113	0.109	0.117	0.120	0.116	0.108	13.00	
66) c	n-Nitrosodiphe...	0.651	0.630	0.600	0.559	0.541	0.541	0.522	0.578	8.57	
67)	4-Bromophenyl-...	0.227	0.210	0.209	0.194	0.191	0.188	0.180	0.200	8.14	
68)	Hexachlorobenzene	0.251	0.242	0.232	0.218	0.209	0.215	0.208	0.225	7.54	
69)	Atrazine	0.191	0.183	0.135	0.145	0.155	0.205	0.209	0.175	17.03	
70) C	Pentachlorophenol	0.097	0.108	0.124	0.127	0.131	0.130	0.130	0.121	10.87	
71)	Phenanthrene	1.096	1.053	0.986	0.903	0.868	0.851	0.820	0.940	11.33	
72)	Anthracene	1.071	1.018	0.966	0.889	0.860	0.839	0.803	0.921	10.81	
73)	Carbazole	1.053	1.009	0.963	0.876	0.846	0.834	0.783	0.909	11.02	
74)	Di-n-butylphth...	1.214	1.177	1.150	1.074	1.036	1.023	0.964	1.091	8.37	
75) C	Fluoranthene	1.256	1.201	1.141	1.018	0.962	0.933	0.867	1.054	13.92	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.634	0.684	0.653	0.742	0.953	0.939	0.768	18.64		
78)	Pyrene	1.748	1.706	1.643	1.679	1.728	1.800	1.672	1.711	3.08	
79) S	Terphenyl-d14	1.226	1.185	1.108	1.123	1.139	1.190	1.093	1.152	4.26	
80)	Butylbenzylphth...	0.640	0.638	0.654	0.690	0.670	0.681	0.628	0.657	3.56	
81)	Benzo(a)anthra...	1.451	1.418	1.351	1.263	1.229	1.294	1.195	1.314	7.31	
82)	3,3'-Dichlorob...	0.438	0.431	0.433	0.402	0.406	0.416	0.399	0.418	3.79	
83)	Chrysene	1.394	1.241	1.235	1.168	1.137	1.123	1.099	1.199	8.44	
84)	Bis(2-ethylhex...	0.886	0.890	0.897	0.927	0.858	0.869	0.813	0.877	4.07	
85) c	Di-n-octyl pht...	1.231	1.217	1.270	1.290	1.187	1.241	1.212	1.235	2.86	

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF111324.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.116	1.150	1.138	1.258	1.316	1.354	1.317	1.235	8.02
88)	Benzo(b)fluora...	1.405	1.352	1.471	1.263	1.235	1.233	1.199	1.308	7.82
89)	Benzo(k)fluora...	1.286	1.241	1.120	1.060	0.952	0.935	0.888	1.069	14.47
90) C	Benzo(a)pyrene	1.100	1.053	1.054	1.005	0.970	0.980	0.948	1.016	5.40
91)	Dibenzo(a,h)an...	0.941	0.952	0.944	1.039	1.074	1.121	1.077	1.021	7.30
92)	Benzo(g,h,i)pe...	0.941	0.963	0.954	1.063	1.122	1.146	1.120	1.044	8.55

(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.149		-1.9	
Phenol-d6	1.587	1.530		-3.6	
Nitrobenzene-d5	0.384	0.376		-2.1	
Isophorone	0.680	0.662		-2.6	
Naphthalene	1.015	1.001		-1.4	
2-Fluorobiphenyl	1.244	1.185		-4.7	
Fluorene	1.267	1.222		-3.6	
2,4,6-Tribromophenol	0.199	0.198		-0.5	
Phenanthrene	0.940	0.898		-4.5	
Anthracene	0.921	0.890		-3.4	
Pyrene	1.711	1.804		5.4	
Terphenyl-d14	1.152	1.194		3.6	
Benzo (a) anthracene	1.314	1.329		1.1	
Chrysene	1.199	1.120		-6.6	
Benzo (b) fluoranthene	1.308	1.209		-7.6	
Benzo (a) pyrene	1.016	0.999		-1.7	20.0
Benzo (g,h,i) perylene	1.044	1.054		1.0	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG No.: P4852

Instrument ID: BNA_F Calibration Date/Time: 11/19/2024 10:34

Lab File ID: BF140463.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.209		3.2	
Phenol-d6	1.587	1.607		1.3	
Nitrobenzene-d5	0.384	0.393		2.3	
Isophorone	0.680	0.671		-1.3	
Naphthalene	1.015	1.055		3.9	
2-Fluorobiphenyl	1.244	1.257		1.0	
Fluorene	1.267	1.293		2.1	
2,4,6-Tribromophenol	0.199	0.209		5.0	
Phenanthrene	0.940	0.946		0.6	
Anthracene	0.921	0.941		2.2	
Pyrene	1.711	1.689		-1.3	
Terphenyl-d14	1.152	1.112		-3.5	
Benzo (a) anthracene	1.314	1.336		1.7	
Chrysene	1.199	1.224		2.1	
Benzo (b) fluoranthene	1.308	1.249		-4.5	
Benzo (a) pyrene	1.016	1.051		3.4	20.0
Benzo (g,h,i) perylene	1.044	1.009		-3.4	

All other compounds must meet a minimum RRF of 0.010.

LAB CHRONICLE

OrderID:	P4852	OrderDate:	11/14/2024 11:23:00 AM
Client:	Kleinfelder	Project:	Webster School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	COMP-1	SOIL	PESTICIDE Group1	8081B	11/13/24	11/15/24	11/15/24	11/14/24
P4852-02	COMP-2	SOIL	PESTICIDE Group1	8081B	11/13/24	11/15/24	11/15/24	11/14/24
P4852-03	COMP-3	SOIL	PESTICIDE Group1	8081B	11/13/24	11/15/24	11/15/24	11/14/24

Hit Summary Sheet
SW-846

SDG No.: P4852

Order ID: P4852

Client: Kleinfelder

Project ID: Webster School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P4852-01	COMP-1	SOIL	4,4-DDE	0.57	JP	0.16	2.00	ug/kg
P4852-01	COMP-1	SOIL	4,4-DDT	0.64	J	0.20	2.00	ug/kg
Total Concentration:				1.210				
Client ID : COMP-2								
P4852-02	COMP-2	SOIL	4,4-DDT	1.40	J	0.21	2.10	ug/kg
Total Concentration:				1.400				



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093083.D	1	11/15/24 08:50	11/15/24 15:48	PB164992

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	0.57	JP	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	0.64	J	0.20	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		10 - 148	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		10 - 159	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	81.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093084.D	1	11/15/24 08:50	11/15/24 16:01	PB164992

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	1.40	J	0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		10 - 148	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		10 - 159	95%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093087.D	1	11/15/24 08:50	11/15/24 16:41	PB164992

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	17.4		10 - 148	87%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		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



QC SUMMARY

Surrogate Summary

SDG No.: **P4852**

Client: **Kleinfelder**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	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-PL093073.D	PIBLK-PL093073.D	Decachlorobiphenyl	1	20	19.9	99		43	140
		Tetrachloro-m-xylene	1	20	18.7	94		77	126
		Decachlorobiphenyl	2	20	20.9	105		43	140
		Tetrachloro-m-xylene	2	20	18.4	92		77	126
PB164992BL	PB164992BL	Decachlorobiphenyl	1	20	21.6	108		10	148
		Tetrachloro-m-xylene	1	20	19.9	99		10	159
		Decachlorobiphenyl	2	20	22.4	112		10	148
		Tetrachloro-m-xylene	2	20	19.3	96		10	159
PB164992BS	PB164992BS	Decachlorobiphenyl	1	20	22.1	110		10	148
		Tetrachloro-m-xylene	1	20	20.9	105		10	159
		Decachlorobiphenyl	2	20	23.2	116		10	148
		Tetrachloro-m-xylene	2	20	19.3	96		10	159
P4852-01	COMP-1	Decachlorobiphenyl	1	20	15.4	77		10	148
		Tetrachloro-m-xylene	1	20	18.9	95		10	159
		Decachlorobiphenyl	2	20	14.2	71		10	148
		Tetrachloro-m-xylene	2	20	19.3	96		10	159
P4852-02	COMP-2	Decachlorobiphenyl	1	20	13.1	66		10	148
		Tetrachloro-m-xylene	1	20	18.1	91		10	159
		Decachlorobiphenyl	2	20	12.9	65		10	148
		Tetrachloro-m-xylene	2	20	18.9	95		10	159
P4852-02MS	COMP-2MS	Decachlorobiphenyl	1	20	12.6	63		10	148
		Tetrachloro-m-xylene	1	20	17.4	87		10	159
		Decachlorobiphenyl	2	20	12.7	64		10	148
		Tetrachloro-m-xylene	2	20	16.7	84		10	159
P4852-02MSD	COMP-2MSD	Decachlorobiphenyl	1	20	13.1	66		10	148
		Tetrachloro-m-xylene	1	20	17.8	89		10	159
		Decachlorobiphenyl	2	20	13.0	65		10	148
		Tetrachloro-m-xylene	2	20	17.0	85		10	159
P4852-03	COMP-3	Decachlorobiphenyl	1	20	16.8	84		10	148
		Tetrachloro-m-xylene	1	20	21.2	106		10	159
		Decachlorobiphenyl	2	20	17.4	87		10	148
		Tetrachloro-m-xylene	2	20	21.7	109		10	159
I.BLK-PL093095.D	PIBLK-PL093095.D	Decachlorobiphenyl	1	20	18.8	94		43	140
		Tetrachloro-m-xylene	1	20	19.9	99		77	126
		Decachlorobiphenyl	2	20	18.1	90		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PL093085.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-2MS											
P4852-02MS	Aldrin	20.45	0	22.0	ug/kg	108				49	139	
	Dieldrin	20.45	0	24.1	ug/kg	118				47	161	
	4,4'-DDE	20.45	0	24.2	ug/kg	118				55	136	
	4,4'-DDD	20.45	0	22.7	ug/kg	111				37	192	
	4,4'-DDT	20.45	1.4	24.6	ug/kg	113				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PL093086.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4852-02MSD	COMP-2MSD											
	Aldrin	20.47	0	22.6	ug/kg	110		2		49	139	20
	Dieldrin	20.47	0	24.7	ug/kg	121		3		47	161	20
	4,4'-DDE	20.47	0	24.7	ug/kg	121		3		55	136	20
	4,4'-DDD	20.47	0	23.2	ug/kg	113		2		37	192	20
	4,4'-DDT	20.47	1.4	24.8	ug/kg	114		1		51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: **8081B** Datafile : PL093078.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164992BS	Aldrin	16.66	17.4	ug/kg	104				82	124		
	Dieldrin	16.66	18.6	ug/kg	112				85	121		
	4,4'-DDE	16.66	18.9	ug/kg	113				81	123		
	4,4'-DDD	16.66	19.2	ug/kg	115				80	131		
	4,4'-DDT	16.66	19.7	ug/kg	118				70	129		

A

B

C

D

E

F

G

H

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164992BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: P4852

SAS No.: P4852 SDG NO.: P4852

Lab Sample ID: PB164992BL

Lab File ID: PL093077.D

Matrix: (soil/water) Solid

Extraction: (Type)

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/15/2024

Date Analyzed (1): 11/15/2024

Date Analyzed (2): 11/15/2024

Time Analyzed (1): 14:29

Time Analyzed (2): 14:29

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
PB164992BS	PB164992BS	PL093078.D	11/15/2024	11/15/2024
COMP-1	P4852-01	PL093083.D	11/15/2024	11/15/2024
COMP-2	P4852-02	PL093084.D	11/15/2024	11/15/2024
COMP-2MS	P4852-02MS	PL093085.D	11/15/2024	11/15/2024
COMP-2MSD	P4852-02MSD	PL093086.D	11/15/2024	11/15/2024
COMP-3	P4852-03	PL093087.D	11/15/2024	11/15/2024

COMMENTS:



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164992BL	SDG No.:	P4852
Lab Sample ID:	PB164992BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093077.D	1	11/15/24 08:50	11/15/24 14:29	PB164992

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	22.4		10 - 148	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		10 - 159	99%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	10/28/24
Project:	Webster School	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PL092652.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

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:

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/15/24
Project:	Webster School	Date Received:	11/15/24
Client Sample ID:	PIBLK-PL093073.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PL093073.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093073.D	1		11/15/24	PL111524

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	20.9		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/15/24
Project:	Webster School	Date Received:	11/15/24
Client Sample ID:	PIBLK-PL093095.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PL093095.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093095.D	1		11/15/24	PL111524

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	18.8		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.9		77 - 126	99%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164992BS	SDG No.:	P4852
Lab Sample ID:	PB164992BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093078.D	1	11/15/24 08:50	11/15/24 14:42	PB164992

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	17.4		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.6		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.9		0.13	1.70	ug/kg
72-54-8	4,4-DDD	19.2		0.19	1.70	ug/kg
50-29-3	4,4-DDT	19.7		0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.2		10 - 148	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		10 - 159	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2MS	SDG No.:	P4852
Lab Sample ID:	P4852-02MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	81.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093085.D	1	11/15/24 08:50	11/15/24 16:15	PB164992

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	22.0		0.17	2.10	ug/kg
60-57-1	Dieldrin	24.1		0.18	2.10	ug/kg
72-55-9	4,4-DDE	24.2		0.16	2.10	ug/kg
72-54-8	4,4-DDD	22.7		0.23	2.10	ug/kg
50-29-3	4,4-DDT	24.6		0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.7		10 - 148	64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		10 - 159	87%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2MSD	SDG No.:	P4852
Lab Sample ID:	P4852-02MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	81.4
Sample Wt/Vol:	30.01 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093086.D	1	11/15/24 08:50	11/15/24 16:28	PB164992

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	22.6		0.17	2.10	ug/kg
60-57-1	Dieldrin	24.7		0.18	2.10	ug/kg
72-55-9	4,4-DDE	24.7		0.16	2.10	ug/kg
72-54-8	4,4-DDD	23.2		0.23	2.10	ug/kg
50-29-3	4,4-DDT	24.8		0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		10 - 148	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		10 - 159	89%	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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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 = <u>PL092655.D</u>	RT 075 = <u>PL092656.D</u>
RT 050 = <u>PL092657.D</u>	RT 025 = <u>PL092658.D</u>	RT 005 = <u>PL092659.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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 = <u>PL092655.D</u>	RT 075 = <u>PL092656.D</u>
RT 050 = <u>PL092657.D</u>	RT 025 = <u>PL092658.D</u>	RT 005 = <u>PL092659.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4852 **SAS No.:** P4852 **SDG NO.:** P4852

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 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P4852 **SAS No.:** P4852 **SDG NO.:** P4852

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 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

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

A

B

C

D

E

F

G

H

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/15/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:45 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	6.34	6.35	6.25	6.45	0.01
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	7.02	7.02	6.92	7.12	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/15/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:45 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
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	5.36	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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

Client Sample No.: CCAL01 Date Analyzed: 11/15/2024

Lab Sample No.: PSTDCCC050 Data File : PL093075.D Time Analyzed: 11:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.610	6.810	44.810	50.000	-10.4
4,4'-DDE	6.192	6.093	6.293	44.540	50.000	-10.9
4,4'-DDT	7.023	6.923	7.123	44.830	50.000	-10.3
Aldrin	5.256	5.158	5.358	44.270	50.000	-11.5
Decachlorobiphenyl	9.056	8.954	9.154	45.230	50.000	-9.5
Dieldrin	6.344	6.245	6.445	43.710	50.000	-12.6
Tetrachloro-m-xylene	3.538	3.440	3.640	45.920	50.000	-8.2

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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

Client Sample No.: CCAL01 Date Analyzed: 11/15/2024

Lab Sample No.: PSTDCCC050 Data File : PL093075.D Time Analyzed: 11:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.788	5.689	5.889	48.610	50.000	-2.8
4,4'-DDE	5.232	5.135	5.335	47.920	50.000	-4.2
4,4'-DDT	6.038	5.940	6.140	48.370	50.000	-3.3
Aldrin	4.227	4.129	4.329	47.150	50.000	-5.7
Decachlorobiphenyl	7.915	7.816	8.016	47.930	50.000	-4.1
Dieldrin	5.364	5.266	5.466	47.660	50.000	-4.7
Tetrachloro-m-xylene	2.776	2.678	2.878	47.220	50.000	-5.6

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/15/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:39 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
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	6.34	6.35	6.25	6.45	0.01
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	7.02	7.02	6.92	7.12	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/15/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:39 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.01
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	5.36	5.37	5.27	5.47	0.01
4,4'-DDE	5.23	5.24	5.14	5.34	0.01
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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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

Client Sample No.: CCAL02 Date Analyzed: 11/15/2024

Lab Sample No.: PSTDCCC050 Data File : PL093096.D Time Analyzed: 18:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.710	6.610	6.810	48.830	50.000	-2.3
4,4'-DDE	6.192	6.093	6.293	47.350	50.000	-5.3
4,4'-DDT	7.024	6.923	7.123	46.010	50.000	-8.0
Aldrin	5.256	5.158	5.358	47.490	50.000	-5.0
Decachlorobiphenyl	9.056	8.954	9.154	45.430	50.000	-9.1
Dieldrin	6.343	6.245	6.445	46.200	50.000	-7.6
Tetrachloro-m-xylene	3.538	3.440	3.640	49.950	50.000	-0.1

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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

Client Sample No.: CCAL02 Date Analyzed: 11/15/2024

Lab Sample No.: PSTDCCC050 Data File : PL093096.D Time Analyzed: 18:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.788	5.689	5.889	54.780	50.000	9.6
4,4'-DDE	5.233	5.135	5.335	53.010	50.000	6.0
4,4'-DDT	6.038	5.940	6.140	49.850	50.000	-0.3
Aldrin	4.227	4.129	4.329	53.270	50.000	6.5
Decachlorobiphenyl	7.915	7.816	8.016	47.500	50.000	-5.0
Dieldrin	5.364	5.266	5.466	52.230	50.000	4.5
Tetrachloro-m-xylene	2.776	2.678	2.878	52.340	50.000	4.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

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

Client Sample No. (PEM): PEM - PL093074.D Date Analyzed: 11/15/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:32

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.056	8.960	9.160	19.230	20.000	-3.9
Tetrachloro-m-xylene	3.538	3.490	3.590	18.460	20.000	-7.7
alpha-BHC	3.994	3.940	4.040	9.410	10.000	-5.9
beta-BHC	4.524	4.470	4.570	9.680	10.000	-3.2
gamma-BHC (Lindane)	4.325	4.270	4.380	9.220	10.000	-7.8
Endrin	6.574	6.500	6.640	42.190	50.000	-15.6
4,4'-DDT	7.025	6.950	7.100	84.540	100.000	-15.5
Methoxychlor	7.501	7.430	7.570	200.960	250.000	-19.6

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

Client Sample No. (PEM): PEM - PL093074.D Date Analyzed: 11/15/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:32

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.916	7.820	8.020	20.120	20.000	0.6
Tetrachloro-m-xylene	2.776	2.730	2.830	18.310	20.000	-8.5
alpha-BHC	3.279	3.230	3.330	8.880	10.000	-11.2
beta-BHC	3.909	3.860	3.960	10.220	10.000	2.2
gamma-BHC (Lindane)	3.609	3.560	3.660	8.350	10.000	-16.5
Endrin	5.640	5.570	5.710	45.610	50.000	-8.8
4,4'-DDT	6.038	5.970	6.110	101.830	100.000	1.8
Methoxychlor	6.614	6.540	6.680	236.980	250.000	-5.2

Analytical Sequence

Client: Kleinfelder	SDG No.: P4852
Project: Webster 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 #
IBLK	IBLK	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
IBLK	IBLK	11/15/2024	11:18	PL093073.D	9.06	3.54
PEM	PEM	11/15/2024	11:32	PL093074.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/15/2024	11:45	PL093075.D	9.06	3.54
PB164992BL	PB164992BL	11/15/2024	14:29	PL093077.D	9.06	3.54
PB164992BS	PB164992BS	11/15/2024	14:42	PL093078.D	9.06	3.54
COMP-1	P4852-01	11/15/2024	15:48	PL093083.D	9.06	3.54
COMP-2	P4852-02	11/15/2024	16:01	PL093084.D	9.06	3.54
COMP-2MS	P4852-02MS	11/15/2024	16:15	PL093085.D	9.06	3.54
COMP-2MSD	P4852-02MSD	11/15/2024	16:28	PL093086.D	9.06	3.54
COMP-3	P4852-03	11/15/2024	16:41	PL093087.D	9.06	3.54
IBLK	IBLK	11/15/2024	18:26	PL093095.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/15/2024	18:39	PL093096.D	9.06	3.54

Analytical Sequence

Client: Kleinfelder	SDG No.: P4852
Project: Webster 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 #
IBLK	IBLK	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
IBLK	IBLK	11/15/2024	11:18	PL093073.D	7.92	2.78
PEM	PEM	11/15/2024	11:32	PL093074.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/15/2024	11:45	PL093075.D	7.92	2.78
PB164992BL	PB164992BL	11/15/2024	14:29	PL093077.D	7.92	2.78
PB164992BS	PB164992BS	11/15/2024	14:42	PL093078.D	7.92	2.78
COMP-1	P4852-01	11/15/2024	15:48	PL093083.D	7.92	2.78
COMP-2	P4852-02	11/15/2024	16:01	PL093084.D	7.92	2.78
COMP-2MS	P4852-02MS	11/15/2024	16:15	PL093085.D	7.92	2.78
COMP-2MSD	P4852-02MSD	11/15/2024	16:28	PL093086.D	7.92	2.78
COMP-3	P4852-03	11/15/2024	16:41	PL093087.D	7.92	2.78
IBLK	IBLK	11/15/2024	18:26	PL093095.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/15/2024	18:39	PL093096.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-1

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

SDG NO.: P4852

Lab Sample ID: P4852-01

Date(s) Analyzed: 11/15/2024

11/15/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	0.39	38.3
	2	5.23	5.18	5.28	0.57	
4,4'-DDT	1	7.02	6.97	7.07	0.63	2.5
	2	6.04	5.99	6.09	0.64	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

SDG NO.: P4852

Lab Sample ID: P4852-02

Date(s) Analyzed: 11/15/2024

11/15/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDT	1	7.02	6.97	7.07	1.30	7.4
	2	6.04	5.99	6.09	1.40	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2MS

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

SDG NO.: P4852

Lab Sample ID: P4852-02MS

Date(s) Analyzed: 11/15/2024

11/15/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	21.9	3.6
	2	5.79	5.74	5.84	22.7	
4,4'-DDT	1	7.02	6.97	7.07	22.5	8.9
	2	6.04	5.99	6.09	24.6	
Aldrin	1	5.26	5.21	5.31	20.0	9.5
	2	4.23	4.18	4.28	22.0	
4,4'-DDE	1	6.19	6.14	6.24	19.4	22
	2	5.23	5.18	5.28	24.2	
Dieldrin	1	6.35	6.30	6.40	20.1	18.1
	2	5.37	5.32	5.42	24.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2MSD

Contract: POWE02

Lab Code: CHEM Case No.: P4852

SAS No.: P4852 SDG NO.: P4852

Lab Sample ID: P4852-02MSD

Date(s) Analyzed: 11/15/2024 11/15/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	22.6	2.6
	2	5.79	5.74	5.84	23.2	
4,4'-DDT	1	7.02	6.97	7.07	23.2	6.7
	2	6.04	5.99	6.09	24.8	
Aldrin	1	5.26	5.21	5.31	20.2	11.2
	2	4.23	4.18	4.28	22.6	
4,4'-DDE	1	6.19	6.14	6.24	19.8	22
	2	5.23	5.18	5.28	24.7	
Dieldrin	1	6.34	6.29	6.39	20.5	18.6
	2	5.36	5.31	5.41	24.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164992BS

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

SDG NO.: P4852

Lab Sample ID: PB164992BS

Date(s) Analyzed: 11/15/2024

11/15/2024

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		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	17.2	11
	2	5.79	5.74	5.84	19.2	
4,4'-DDT	1	7.02	6.97	7.07	17.7	10.7
	2	6.04	5.99	6.09	19.7	
Aldrin	1	5.26	5.21	5.31	16.0	8.4
	2	4.23	4.18	4.28	17.4	
4,4'-DDE	1	6.19	6.14	6.24	17.1	10
	2	5.23	5.18	5.28	18.9	
Dieldrin	1	6.35	6.30	6.40	16.7	10.8
	2	5.37	5.32	5.42	18.6	

LAB CHRONICLE

OrderID:	P4852	OrderDate:	11/14/2024 11:23:00 AM
Client:	Kleinfelder	Project:	Webster School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	COMP-1	SOIL			11/13/24			11/14/24
			PCB Group1	8082A		11/15/24	11/18/24	
			PESTICIDE Group1	8081B		11/15/24	11/15/24	
P4852-02	COMP-2	SOIL			11/13/24			11/14/24
			PCB Group1	8082A		11/15/24	11/19/24	
			PESTICIDE Group1	8081B		11/15/24	11/15/24	
P4852-03	COMP-3	SOIL			11/13/24			11/14/24
			PCB Group1	8082A		11/15/24	11/18/24	
			PESTICIDE Group1	8081B		11/15/24	11/15/24	

Hit Summary Sheet
SW-846

SDG No.: P4852

Order ID: P4852

Client: Kleinfelder

Project ID: Webster School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
Total Concentration:				0.000				



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068548.D	1	11/15/24 08:50	11/18/24 14:43	PB164991

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	19.3		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	15.3		32 - 175	77%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	81.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068607.D	1	11/15/24 08:50	11/19/24 13:11	PB164991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	20.8	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.8	ug/kg
11096-82-5	Aroclor-1260	3.60	U	3.60	20.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		32 - 144	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		32 - 175	80%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068550.D	1	11/15/24 08:50	11/18/24 15:16	PB164991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.2	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.2	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		32 - 144	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		32 - 175	81%	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

Surrogate Summary

SDG No.: **P4852**

Client: **Kleinfelder**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP068360.D	PIBLK-PP068360.D	Tetrachloro-m-xylene	1	20	21.0	105		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
I.BLK-PP068531.D	PIBLK-PP068531.D	Tetrachloro-m-xylene	1	20	20.4	102		60	140
		Decachlorobiphenyl	1	20	21.6	108		60	140
		Tetrachloro-m-xylene	2	20	21.1	106		60	140
		Decachlorobiphenyl	2	20	21.9	110		60	140
P4859-01MS	NB-08-111424MS	Tetrachloro-m-xylene	1	20	18.3	91		32	144
		Decachlorobiphenyl	1	20	18.8	94		32	175
		Tetrachloro-m-xylene	2	20	17.3	86		32	144
		Decachlorobiphenyl	2	20	18.1	91		32	175
P4859-01MSD	NB-08-111424MSD	Tetrachloro-m-xylene	1	20	17.9	90		32	144
		Decachlorobiphenyl	1	20	19.2	96		32	175
		Tetrachloro-m-xylene	2	20	17.4	87		32	144
		Decachlorobiphenyl	2	20	17.8	89		32	175
PB164991BL	PB164991BL	Tetrachloro-m-xylene	1	20	17.9	90		32	144
		Decachlorobiphenyl	1	20	18.4	92		32	175
		Tetrachloro-m-xylene	2	20	18.6	93		32	144
		Decachlorobiphenyl	2	20	17.4	87		32	175
PB164991BS	PB164991BS	Tetrachloro-m-xylene	1	20	19.4	97		32	144
		Decachlorobiphenyl	1	20	19.3	97		32	175
		Tetrachloro-m-xylene	2	20	19.9	100		32	144
		Decachlorobiphenyl	2	20	19.4	97		32	175
I.BLK-PP068543.D	PIBLK-PP068543.D	Tetrachloro-m-xylene	1	20	21.1	105		60	140
		Decachlorobiphenyl	1	20	21.7	109		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	21.6	108		60	140
P4852-01	COMP-1	Tetrachloro-m-xylene	1	20	18.4	92		32	144
		Decachlorobiphenyl	1	20	15.3	77		32	175
		Tetrachloro-m-xylene	2	20	19.3	96		32	144
		Decachlorobiphenyl	2	20	14.3	71		32	175
P4852-03	COMP-3	Tetrachloro-m-xylene	1	20	20.1	101		32	144
		Decachlorobiphenyl	1	20	16.0	80		32	175
		Tetrachloro-m-xylene	2	20	20.9	105		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
I.BLK-PP068558.D	PIBLK-PP068558.D	Tetrachloro-m-xylene	1	20	20.9	104		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	22.0	110		60	140
I.BLK-PP068606.D	PIBLK-PP068606.D	Tetrachloro-m-xylene	1	20	21.5	107		60	140

Surrogate Summary

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP068606.D	PIBLK-PP068606.D	Decachlorobiphenyl	1	20	22.1	111		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	22.2	111		60	140
P4852-02	COMP-2	Tetrachloro-m-xylene	1	20	18.5	92		32	144
		Decachlorobiphenyl	1	20	15.5	77		32	175
		Tetrachloro-m-xylene	2	20	19.6	98		32	144
		Decachlorobiphenyl	2	20	16.0	80		32	175
		Tetrachloro-m-xylene	1	20	20.9	105		60	140
I.BLK-PP068615.D	PIBLK-PP068615.D	Decachlorobiphenyl	1	20	22.4	112		60	140
		Tetrachloro-m-xylene	2	20	21.9	110		60	140
		Decachlorobiphenyl	2	20	22.6	113		60	140
		Tetrachloro-m-xylene	1	20	20.9	105		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8082A

DataFile : PP068536.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4859-01MS	NB-08-111424MS											
	AR1016	181.2	0	170	ug/kg	94				55	146	
	AR1260	181.2	8.4	154	ug/kg	80				45	144	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8082A

DataFile : PP068537.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	NB-08-111424MSD											
P4859-01MSD	AR1016	181.1	0	170	ug/kg	94		0		55	146	20
	AR1260	181.1	8.4	156	ug/kg	82		2		45	144	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4852

Client: Kleinfelder

Analytical Method: 8082A Datafile : PP068539.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164991BS	AR1016	166.5	146	ug/kg	88				71	120		
	AR1260	166.5	132	ug/kg	79				65	130		

A

B

C

D

E

F

G

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164991BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: P4852

SAS No.: P4852 SDG NO.: P4852

Lab Sample ID: PB164991BL

Lab File ID: PP068538.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/15/2024

Date Analyzed (1): 11/18/2024

Date Analyzed (2): 11/18/2024

Time Analyzed (1): 11:49

Time Analyzed (2): 11:49

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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
NB-08-111424MS	P4859-01MS	PP068536.D	11/18/2024	11/18/2024
NB-08-111424MSD	P4859-01MSD	PP068537.D	11/18/2024	11/18/2024
PB164991BS	PB164991BS	PP068539.D	11/18/2024	11/18/2024
COMP-1	P4852-01	PP068548.D	11/18/2024	11/18/2024
COMP-3	P4852-03	PP068550.D	11/18/2024	11/18/2024
COMP-2	P4852-02	PP068607.D	11/19/2024	11/19/2024

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Instrument ID: ECD_P Calibration Date(s): 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID: RT 1000 = PP068361.D RT 750 = PP068362.D

RT 500 = PP068363.D RT 250 = PP068364.D RT 050 = PP068365.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.92	5.93	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.95	5.94	5.95	5.94	5.95	5.85	6.05
Aroclor-1016-3	(3)	6.01	6.01	6.01	6.01	6.01	6.01	5.91	6.11
Aroclor-1016-4	(4)	6.11	6.11	6.11	6.11	6.10	6.11	6.01	6.21
Aroclor-1016-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.53	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.78	7.78	7.78	7.78	7.78	7.78	7.68	7.88
Aroclor-1260-3	(3)	8.14	8.14	8.14	8.14	8.14	8.14	8.04	8.24
Aroclor-1260-4	(4)	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
Aroclor-1260-5	(5)	8.72	8.72	8.71	8.72	8.71	8.72	8.62	8.82
Decachlorobiphenyl		10.67	10.68	10.67	10.68	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.68	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Decachlorobiphenyl		10.67	10.68	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1254-1	(1)	6.77	6.78	6.78	6.77	6.77	6.78	6.68	6.88
Aroclor-1254-2	(2)	6.99	7.00	7.00	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.36	7.36	7.36	7.36	7.36	7.36	7.26	7.46
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene		4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Instrument ID: ECD_P Calibration Date(s): 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:	RT 1000 = <u>PP068361.D</u>	RT 750 = <u>PP068362.D</u>
RT 500 = <u>PP068363.D</u>	RT 250 = <u>PP068364.D</u>	RT 050 = <u>PP068365.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2	(2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3	(3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4	(4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5	(5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1	(1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2	(2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3	(3)	7.01	7.01	7.01	7.00	7.00	7.01	6.91	7.11
Aroclor-1260-4	(4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5	(5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Decachlorobiphenyl		9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Decachlorobiphenyl		9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Decachlorobiphenyl		9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Aroclor-1254-1	(1)	5.97	5.97	5.97	5.97	5.97	5.97	5.87	6.07
Aroclor-1254-2	(2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3	(3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4	(4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5	(5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
Decachlorobiphenyl		9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
Decachlorobiphenyl		9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Tetrachloro-m-xylene		4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Instrument ID: ECD_P Calibration Date(s): 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:		CF 1000 = <u>PP068361.D</u>		CF 750 = <u>PP068362.D</u>			
CF 500 = <u>PP068363.D</u>		CF 250 = <u>PP068364.D</u>		CF 050 = <u>PP068365.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	32722878	32987127	36694544	38565352	38710580	35936096
Aroclor-1016-2	(2)	49685960	49794715	54179380	56028812	55062580	52950289
Aroclor-1016-3	(3)	31039806	31308951	31477564	35261268	36454940	33108506
Aroclor-1016-4	(4)	25063539	25553636	26008648	27599052	27185460	26282067
Aroclor-1016-5	(5)	26884732	25863024	29532330	29666960	29092940	28207997
Aroclor-1260-1	(1)	49214333	49857676	55068012	59485260	56895620	54104180
Aroclor-1260-2	(2)	58512720	58794644	61905312	70175200	68666580	63610891
Aroclor-1260-3	(3)	49867434	49696453	52919146	61783152	54693800	53791997
Aroclor-1260-4	(4)	58030307	58392116	61219352	66884816	66613400	62227998
Aroclor-1260-5	(5)	110582405	105927285	110379288	122419072	116614180	113184446
Decachlorobiphenyl		1148744080	1179137973	1231906520	1372184000	1325426000	1251479715
Tetrachloro-m-xylene		976730760	989539880	977459580	1014058520	895270000	970611748
Decachlorobiphenyl		1136957280	1191065427	1253556200	1358666560	1321692600	1252387613
Tetrachloro-m-xylene		992458220	982684227	997132340	1047919280	945647800	993168373
Decachlorobiphenyl		1161914410	1206078453	1287629180	1388690560	1317466800	1272355881
Tetrachloro-m-xylene		965301010	976063867	1045296820	1022231200	905772600	982933099
Aroclor-1254-1	(1)	45656926	46370784	48591708	55398616	63414000	51886407
Aroclor-1254-2	(2)	61419018	62089981	65367616	73235084	79075760	68237492
Aroclor-1254-3	(3)	65006662	66406433	68483584	76667348	80726040	71458013
Aroclor-1254-4	(4)	47495422	48750441	50445040	59112016	63268560	53814296
Aroclor-1254-5	(5)	57629379	58072741	61204598	69375440	67051440	62666720
Decachlorobiphenyl		1183925920	1211314307	1284210900	1390837600	1376990800	1289455905
Tetrachloro-m-xylene		989066910	975183547	996076320	1021088560	988613200	994005707
Decachlorobiphenyl		1949212650	1956251560	2086617000	2251184600	2062984000	2061249962
Tetrachloro-m-xylene		999802000	981646360	1047559160	988642360	831404200	969810816

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02
Lab Code: CHEM **Case No.:** P4852 **SAS No.:** P4852 **SDG NO.:** P4852
Instrument ID: ECD_P **Calibration Date(s):** 11/08/2024 11/08/2024
Calibration Times: 02:45 10:39
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PP068361.D</u>		CF 750 = <u>PP068362.D</u>			
CF 500 = <u>PP068363.D</u>		CF 250 = <u>PP068364.D</u>		CF 050 = <u>PP068365.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	28675269	31688729	32908702	36316968	35645980	33047130
Aroclor-1016-2	(2)	45372737	44532471	46481004	50131748	47195120	46742616
Aroclor-1016-3	(3)	25581263	25572389	25828308	29036828	29182360	27040230
Aroclor-1016-4	(4)	22022727	22558800	23000164	24742976	25650260	23594985
Aroclor-1016-5	(5)	28396741	28558155	29494206	33716108	28045580	29642158
Aroclor-1260-1	(1)	50792238	51496668	53738098	60629720	61588060	55648957
Aroclor-1260-2	(2)	59992941	60241951	64329398	71848292	74766160	66235748
Aroclor-1260-3	(3)	57127224	57366085	59805332	69966764	65191800	61891441
Aroclor-1260-4	(4)	50380547	50692913	52887170	57961512	51762800	52736988
Aroclor-1260-5	(5)	115281087	113974237	117997240	127736412	120391040	119076003
Decachlorobiphenyl		1067011790	1067726547	1123064240	1231914520	1166184600	1131180339
Tetrachloro-m-xylene		972289500	961505133	979740920	1035015200	892893600	968288871
Decachlorobiphenyl		1071389140	1064856587	1152041260	1195523280	1288478000	1154457653
Tetrachloro-m-xylene		966238420	972029747	979866540	1033639640	930236800	976402229
Decachlorobiphenyl		1075259530	1103159067	1175200200	1246394680	1231284200	1166259535
Tetrachloro-m-xylene		950224170	961311800	990959620	1038390440	915281600	971233526
Aroclor-1254-1	(1)	54665587	57402907	60611942	70904972	59624080	60641898
Aroclor-1254-2	(2)	47820782	49399019	52999540	61073956	52383280	52735315
Aroclor-1254-3	(3)	78076384	79594720	83715772	92115228	82804080	83261237
Aroclor-1254-4	(4)	45870471	47148891	49237464	53498856	47382280	48627592
Aroclor-1254-5	(5)	70292397	70911040	73701438	76415732	81847640	74633649
Decachlorobiphenyl		1101361650	1125516760	1206565780	1266510680	1278915800	1195774134
Tetrachloro-m-xylene		981660810	970989867	1008018320	1038763400	859285200	971743519
Decachlorobiphenyl		1822479100	1863575213	1915658760	2051852880	2001053000	1930923791
Tetrachloro-m-xylene		973469740	966812560	1002294360	1022455760	875332800	968073044

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

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

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 09:38 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.41	6.40	6.30	6.50	-0.01
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 09:38 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.01
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/18/2024

Lab Sample No.: AR1660CCC500 Data File : PP068530.D Time Analyzed: 09:38

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.927	5.821	6.021	468.490	500.000	-6.3
Aroclor-1016-2	5.949	5.844	6.044	470.180	500.000	-6.0
Aroclor-1016-3	6.013	5.908	6.108	476.220	500.000	-4.8
Aroclor-1016-4	6.111	6.005	6.205	491.500	500.000	-1.7
Aroclor-1016-5	6.405	6.299	6.499	468.790	500.000	-6.2
Aroclor-1260-1	7.529	7.423	7.623	463.130	500.000	-7.4
Aroclor-1260-2	7.782	7.676	7.876	439.830	500.000	-12.0
Aroclor-1260-3	8.143	8.038	8.238	428.160	500.000	-14.4
Aroclor-1260-4	8.382	8.276	8.476	429.470	500.000	-14.1
Aroclor-1260-5	8.720	8.613	8.813	432.320	500.000	-13.5
Decachlorobiphenyl	10.679	10.572	10.772	44.200	50.000	-11.6
Tetrachloro-m-xylene	4.763	4.657	4.857	47.700	50.000	-4.6

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/18/2024

Lab Sample No.: AR1660CCC500 Data File : PP068530.D Time Analyzed: 09:38

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.157	5.058	5.258	484.470	500.000	-3.1
Aroclor-1016-2	5.178	5.079	5.279	473.470	500.000	-5.3
Aroclor-1016-3	5.358	5.259	5.459	456.240	500.000	-8.8
Aroclor-1016-4	5.397	5.298	5.498	465.350	500.000	-6.9
Aroclor-1016-5	5.615	5.517	5.717	467.310	500.000	-6.5
Aroclor-1260-1	6.659	6.560	6.760	459.160	500.000	-8.2
Aroclor-1260-2	6.845	6.747	6.947	456.200	500.000	-8.8
Aroclor-1260-3	7.003	6.905	7.105	462.240	500.000	-7.6
Aroclor-1260-4	7.477	7.378	7.578	472.290	500.000	-5.5
Aroclor-1260-5	7.715	7.617	7.817	461.250	500.000	-7.8
Decachlorobiphenyl	9.208	9.110	9.310	45.210	50.000	-9.6
Tetrachloro-m-xylene	4.052	3.951	4.151	49.210	50.000	-1.6

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 13:05 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 13:05 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/18/2024

Lab Sample No.: AR1660CCC500 Data File : PP068542.D Time Analyzed: 13:05

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.821	6.021	457.730	500.000	-8.5
Aroclor-1016-2	5.948	5.844	6.044	458.850	500.000	-8.2
Aroclor-1016-3	6.011	5.908	6.108	455.320	500.000	-8.9
Aroclor-1016-4	6.109	6.005	6.205	487.870	500.000	-2.4
Aroclor-1016-5	6.403	6.299	6.499	464.930	500.000	-7.0
Aroclor-1260-1	7.528	7.423	7.623	435.100	500.000	-13.0
Aroclor-1260-2	7.781	7.676	7.876	434.590	500.000	-13.1
Aroclor-1260-3	8.142	8.038	8.238	432.090	500.000	-13.6
Aroclor-1260-4	8.380	8.276	8.476	420.380	500.000	-15.9
Aroclor-1260-5	8.718	8.613	8.813	426.480	500.000	-14.7
Decachlorobiphenyl	10.678	10.572	10.772	44.870	50.000	-10.3
Tetrachloro-m-xylene	4.761	4.657	4.857	48.070	50.000	-3.9

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/18/2024

Lab Sample No.: AR1660CCC500 Data File : PP068542.D Time Analyzed: 13:05

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.157	5.058	5.258	510.770	500.000	2.2
Aroclor-1016-2	5.177	5.079	5.279	500.810	500.000	0.2
Aroclor-1016-3	5.357	5.259	5.459	486.900	500.000	-2.6
Aroclor-1016-4	5.397	5.298	5.498	489.450	500.000	-2.1
Aroclor-1016-5	5.616	5.517	5.717	479.630	500.000	-4.1
Aroclor-1260-1	6.659	6.560	6.760	448.840	500.000	-10.2
Aroclor-1260-2	6.845	6.747	6.947	444.970	500.000	-11.0
Aroclor-1260-3	7.003	6.905	7.105	450.050	500.000	-10.0
Aroclor-1260-4	7.477	7.378	7.578	459.060	500.000	-8.2
Aroclor-1260-5	7.716	7.617	7.817	444.870	500.000	-11.0
Decachlorobiphenyl	9.208	9.110	9.310	45.610	50.000	-8.8
Tetrachloro-m-xylene	4.051	3.951	4.151	50.540	50.000	1.1

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 17:04 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/18/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 17:04 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.00
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.00
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL03 Date Analyzed: 11/18/2024

Lab Sample No.: AR1660CCC500 Data File : PP068554.D Time Analyzed: 17:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.925	5.821	6.021	464.840	500.000	-7.0
Aroclor-1016-2	5.947	5.844	6.044	474.020	500.000	-5.2
Aroclor-1016-3	6.011	5.908	6.108	474.730	500.000	-5.1
Aroclor-1016-4	6.109	6.005	6.205	481.140	500.000	-3.8
Aroclor-1016-5	6.403	6.299	6.499	460.140	500.000	-8.0
Aroclor-1260-1	7.527	7.423	7.623	432.380	500.000	-13.5
Aroclor-1260-2	7.780	7.676	7.876	424.720	500.000	-15.1
Aroclor-1260-3	8.141	8.038	8.238	409.620	500.000	-18.1
Aroclor-1260-4	8.380	8.276	8.476	418.660	500.000	-16.3
Aroclor-1260-5	8.717	8.613	8.813	414.130	500.000	-17.2
Decachlorobiphenyl	10.676	10.572	10.772	43.350	50.000	-13.3
Tetrachloro-m-xylene	4.761	4.657	4.857	49.690	50.000	-0.6

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL03 Date Analyzed: 11/18/2024

Lab Sample No.: AR1660CCC500 Data File : PP068554.D Time Analyzed: 17:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.157	5.058	5.258	495.490	500.000	-0.9
Aroclor-1016-2	5.178	5.079	5.279	481.120	500.000	-3.8
Aroclor-1016-3	5.358	5.259	5.459	464.580	500.000	-7.1
Aroclor-1016-4	5.397	5.298	5.498	469.540	500.000	-6.1
Aroclor-1016-5	5.616	5.517	5.717	492.550	500.000	-1.5
Aroclor-1260-1	6.659	6.560	6.760	456.050	500.000	-8.8
Aroclor-1260-2	6.846	6.747	6.947	459.320	500.000	-8.1
Aroclor-1260-3	7.003	6.905	7.105	463.440	500.000	-7.3
Aroclor-1260-4	7.477	7.378	7.578	456.610	500.000	-8.7
Aroclor-1260-5	7.716	7.617	7.817	449.570	500.000	-10.1
Decachlorobiphenyl	9.209	9.110	9.310	44.370	50.000	-11.3
Tetrachloro-m-xylene	4.051	3.951	4.151	49.520	50.000	-1.0

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 11:50 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 11:50 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.15	5.16	5.06	5.26	0.01
Aroclor-1016-2	(2)	5.17	5.18	5.08	5.28	0.01
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.39	5.40	5.30	5.50	0.01
Aroclor-1016-5	(5)	5.61	5.62	5.52	5.72	0.01
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.01
Aroclor-1260-5	(5)	7.71	7.72	7.62	7.82	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL04 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068602.D Time Analyzed: 11:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.923	5.821	6.021	462.180	500.000	-7.6
Aroclor-1016-2	5.945	5.844	6.044	481.740	500.000	-3.7
Aroclor-1016-3	6.008	5.908	6.108	490.180	500.000	-2.0
Aroclor-1016-4	6.106	6.005	6.205	490.380	500.000	-1.9
Aroclor-1016-5	6.400	6.299	6.499	462.630	500.000	-7.5
Aroclor-1260-1	7.525	7.423	7.623	477.630	500.000	-4.5
Aroclor-1260-2	7.777	7.676	7.876	459.180	500.000	-8.2
Aroclor-1260-3	8.139	8.038	8.238	431.860	500.000	-13.6
Aroclor-1260-4	8.376	8.276	8.476	426.790	500.000	-14.6
Aroclor-1260-5	8.715	8.613	8.813	422.590	500.000	-15.5
Decachlorobiphenyl	10.674	10.572	10.772	44.450	50.000	-11.1
Tetrachloro-m-xylene	4.758	4.657	4.857	49.130	50.000	-1.7

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL04 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068602.D Time Analyzed: 11:50

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.154	5.058	5.258	509.510	500.000	1.9
Aroclor-1016-2	5.174	5.079	5.279	473.120	500.000	-5.4
Aroclor-1016-3	5.355	5.259	5.459	439.650	500.000	-12.1
Aroclor-1016-4	5.394	5.298	5.498	442.810	500.000	-11.4
Aroclor-1016-5	5.614	5.517	5.717	493.170	500.000	-1.4
Aroclor-1260-1	6.657	6.560	6.760	494.420	500.000	-1.1
Aroclor-1260-2	6.843	6.747	6.947	469.380	500.000	-6.1
Aroclor-1260-3	7.001	6.905	7.105	467.400	500.000	-6.5
Aroclor-1260-4	7.475	7.378	7.578	472.750	500.000	-5.5
Aroclor-1260-5	7.713	7.617	7.817	458.570	500.000	-8.3
Decachlorobiphenyl	9.205	9.110	9.310	45.250	50.000	-9.5
Tetrachloro-m-xylene	4.049	3.951	4.151	49.290	50.000	-1.4

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.01
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL05 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068614.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.821	6.021	472.020	500.000	-5.6
Aroclor-1016-2	5.947	5.844	6.044	493.840	500.000	-1.2
Aroclor-1016-3	6.011	5.908	6.108	514.490	500.000	2.9
Aroclor-1016-4	6.109	6.005	6.205	518.260	500.000	3.7
Aroclor-1016-5	6.404	6.299	6.499	470.310	500.000	-5.9
Aroclor-1260-1	7.527	7.423	7.623	488.300	500.000	-2.3
Aroclor-1260-2	7.780	7.676	7.876	469.560	500.000	-6.1
Aroclor-1260-3	8.142	8.038	8.238	446.600	500.000	-10.7
Aroclor-1260-4	8.380	8.276	8.476	435.780	500.000	-12.8
Aroclor-1260-5	8.717	8.613	8.813	439.380	500.000	-12.1
Decachlorobiphenyl	10.675	10.572	10.772	45.710	50.000	-8.6
Tetrachloro-m-xylene	4.761	4.657	4.857	49.560	50.000	-0.9

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P4852 SAS No.: P4852 SDG NO.: P4852

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL05 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068614.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.156	5.058	5.258	501.490	500.000	0.3
Aroclor-1016-2	5.176	5.079	5.279	490.400	500.000	-1.9
Aroclor-1016-3	5.356	5.259	5.459	452.510	500.000	-9.5
Aroclor-1016-4	5.396	5.298	5.498	459.270	500.000	-8.1
Aroclor-1016-5	5.615	5.517	5.717	511.580	500.000	2.3
Aroclor-1260-1	6.658	6.560	6.760	492.620	500.000	-1.5
Aroclor-1260-2	6.845	6.747	6.947	463.600	500.000	-7.3
Aroclor-1260-3	7.002	6.905	7.105	472.300	500.000	-5.5
Aroclor-1260-4	7.477	7.378	7.578	478.300	500.000	-4.3
Aroclor-1260-5	7.715	7.617	7.817	470.590	500.000	-5.9
Decachlorobiphenyl	9.207	9.110	9.310	46.580	50.000	-6.8
Tetrachloro-m-xylene	4.051	3.951	4.151	50.940	50.000	1.9

Analytical Sequence

Client: Kleinfelder	SDG No.: P4852	
Project: Webster School	Instrument ID: ECD_P	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 11/08/2024 11/08/2024

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 #
LBLK	LBLK	11/08/2024	02:29	PP068360.D	10.67	4.76
AR1660ICC1000	AR1660ICC1000	11/08/2024	02:45	PP068361.D	10.67	4.76
AR1660ICC750	AR1660ICC750	11/08/2024	03:02	PP068362.D	10.68	4.76
AR1660ICC500	AR1660ICC500	11/08/2024	03:18	PP068363.D	10.67	4.76
AR1660ICC250	AR1660ICC250	11/08/2024	03:34	PP068364.D	10.68	4.76
AR1660ICC050	AR1660ICC050	11/08/2024	03:51	PP068365.D	10.67	4.76
AR1221ICC500	AR1221ICC500	11/08/2024	04:07	PP068366.D	10.68	4.76
AR1232ICC500	AR1232ICC500	11/08/2024	04:23	PP068367.D	10.67	4.76
AR1242ICC1000	AR1242ICC1000	11/08/2024	04:40	PP068368.D	10.67	4.76
AR1242ICC750	AR1242ICC750	11/08/2024	04:56	PP068369.D	10.67	4.76
AR1242ICC500	AR1242ICC500	11/08/2024	05:12	PP068370.D	10.67	4.76
AR1242ICC250	AR1242ICC250	11/08/2024	05:29	PP068371.D	10.67	4.76
AR1242ICC050	AR1242ICC050	11/08/2024	05:45	PP068372.D	10.68	4.76
AR1248ICC1000	AR1248ICC1000	11/08/2024	06:01	PP068373.D	10.67	4.76
AR1248ICC750	AR1248ICC750	11/08/2024	06:18	PP068374.D	10.68	4.76
AR1248ICC500	AR1248ICC500	11/08/2024	06:34	PP068375.D	10.67	4.76
AR1248ICC250	AR1248ICC250	11/08/2024	06:50	PP068376.D	10.67	4.76
AR1248ICC050	AR1248ICC050	11/08/2024	07:07	PP068377.D	10.67	4.76
AR1254ICC1000	AR1254ICC1000	11/08/2024	07:23	PP068378.D	10.67	4.76
AR1254ICC750	AR1254ICC750	11/08/2024	07:39	PP068379.D	10.67	4.76
AR1254ICC500	AR1254ICC500	11/08/2024	07:56	PP068380.D	10.67	4.76
AR1254ICC250	AR1254ICC250	11/08/2024	08:12	PP068381.D	10.67	4.76
AR1254ICC050	AR1254ICC050	11/08/2024	08:28	PP068382.D	10.67	4.76
AR1262ICC500	AR1262ICC500	11/08/2024	08:45	PP068383.D	10.67	4.76
AR1268ICC1000	AR1268ICC1000	11/08/2024	09:01	PP068384.D	10.67	4.76
AR1268ICC750	AR1268ICC750	11/08/2024	09:17	PP068385.D	10.67	4.76
AR1268ICC500	AR1268ICC500	11/08/2024	09:34	PP068386.D	10.67	4.76
AR1268ICC250	AR1268ICC250	11/08/2024	09:50	PP068387.D	10.67	4.76
AR1268ICC050	AR1268ICC050	11/08/2024	10:39	PP068388.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/18/2024	09:38	PP068530.D	10.68	4.76
LBLK	LBLK	11/18/2024	09:54	PP068531.D	10.68	4.76
NB-08-111424MS	P4859-01MS	11/18/2024	11:16	PP068536.D	10.68	4.76
NB-08-111424MSD	P4859-01MSD	11/18/2024	11:33	PP068537.D	10.68	4.76
PB164991BL	PB164991BL	11/18/2024	11:49	PP068538.D	10.67	4.76
PB164991BS	PB164991BS	11/18/2024	12:05	PP068539.D	10.68	4.76
AR1660CCC500	AR1660CCC500	11/18/2024	13:05	PP068542.D	10.68	4.76
LBLK	LBLK	11/18/2024	13:21	PP068543.D	10.67	4.76
COMP-1	P4852-01	11/18/2024	14:43	PP068548.D	10.68	4.76
COMP-3	P4852-03	11/18/2024	15:16	PP068550.D	10.68	4.76
AR1660CCC500	AR1660CCC500	11/18/2024	17:04	PP068554.D	10.68	4.76
LBLK	LBLK	11/18/2024	18:09	PP068558.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/19/2024	11:50	PP068602.D	10.67	4.76

Analytical Sequence

LBLK	LBLK	11/19/2024	12:55	PP068606.D	10.68	4.76
COMP-2	P4852-02	11/19/2024	13:11	PP068607.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/19/2024	15:29	PP068614.D	10.68	4.76
LBLK	LBLK	11/19/2024	15:45	PP068615.D	10.67	4.76

Analytical Sequence

Client: Kleinfelder	SDG No.: P4852	
Project: Webster School	Instrument ID: ECD_P	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 11/08/2024 11/08/2024

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 #
IBLK	IBLK	11/08/2024	02:29	PP068360.D	9.21	4.05
AR1660ICC1000	AR1660ICC1000	11/08/2024	02:45	PP068361.D	9.21	4.05
AR1660ICC750	AR1660ICC750	11/08/2024	03:02	PP068362.D	9.21	4.05
AR1660ICC500	AR1660ICC500	11/08/2024	03:18	PP068363.D	9.21	4.05
AR1660ICC250	AR1660ICC250	11/08/2024	03:34	PP068364.D	9.21	4.05
AR1660ICC050	AR1660ICC050	11/08/2024	03:51	PP068365.D	9.21	4.05
AR1221ICC500	AR1221ICC500	11/08/2024	04:07	PP068366.D	9.21	4.05
AR1232ICC500	AR1232ICC500	11/08/2024	04:23	PP068367.D	9.21	4.05
AR1242ICC1000	AR1242ICC1000	11/08/2024	04:40	PP068368.D	9.21	4.05
AR1242ICC750	AR1242ICC750	11/08/2024	04:56	PP068369.D	9.21	4.05
AR1242ICC500	AR1242ICC500	11/08/2024	05:12	PP068370.D	9.21	4.05
AR1242ICC250	AR1242ICC250	11/08/2024	05:29	PP068371.D	9.21	4.05
AR1242ICC050	AR1242ICC050	11/08/2024	05:45	PP068372.D	9.21	4.05
AR1248ICC1000	AR1248ICC1000	11/08/2024	06:01	PP068373.D	9.21	4.05
AR1248ICC750	AR1248ICC750	11/08/2024	06:18	PP068374.D	9.21	4.05
AR1248ICC500	AR1248ICC500	11/08/2024	06:34	PP068375.D	9.21	4.05
AR1248ICC250	AR1248ICC250	11/08/2024	06:50	PP068376.D	9.21	4.05
AR1248ICC050	AR1248ICC050	11/08/2024	07:07	PP068377.D	9.21	4.05
AR1254ICC1000	AR1254ICC1000	11/08/2024	07:23	PP068378.D	9.21	4.05
AR1254ICC750	AR1254ICC750	11/08/2024	07:39	PP068379.D	9.21	4.05
AR1254ICC500	AR1254ICC500	11/08/2024	07:56	PP068380.D	9.21	4.05
AR1254ICC250	AR1254ICC250	11/08/2024	08:12	PP068381.D	9.21	4.05
AR1254ICC050	AR1254ICC050	11/08/2024	08:28	PP068382.D	9.21	4.05
AR1262ICC500	AR1262ICC500	11/08/2024	08:45	PP068383.D	9.21	4.05
AR1268ICC1000	AR1268ICC1000	11/08/2024	09:01	PP068384.D	9.21	4.05
AR1268ICC750	AR1268ICC750	11/08/2024	09:17	PP068385.D	9.21	4.05
AR1268ICC500	AR1268ICC500	11/08/2024	09:34	PP068386.D	9.21	4.05
AR1268ICC250	AR1268ICC250	11/08/2024	09:50	PP068387.D	9.21	4.05
AR1268ICC050	AR1268ICC050	11/08/2024	10:39	PP068388.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/18/2024	09:38	PP068530.D	9.21	4.05
IBLK	IBLK	11/18/2024	09:54	PP068531.D	9.21	4.05
NB-08-111424MS	P4859-01MS	11/18/2024	11:16	PP068536.D	9.21	4.05
NB-08-111424MSD	P4859-01MSD	11/18/2024	11:33	PP068537.D	9.21	4.05
PB164991BL	PB164991BL	11/18/2024	11:49	PP068538.D	9.21	4.05
PB164991BS	PB164991BS	11/18/2024	12:05	PP068539.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/18/2024	13:05	PP068542.D	9.21	4.05
IBLK	IBLK	11/18/2024	13:21	PP068543.D	9.21	4.05
COMP-1	P4852-01	11/18/2024	14:43	PP068548.D	9.21	4.05
COMP-3	P4852-03	11/18/2024	15:16	PP068550.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/18/2024	17:04	PP068554.D	9.21	4.05
IBLK	IBLK	11/18/2024	18:09	PP068558.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/19/2024	11:50	PP068602.D	9.21	4.05

Analytical Sequence

LBLK	LBLK	11/19/2024	12:55	PP068606.D	9.21	4.05
COMP-2	P4852-02	11/19/2024	13:11	PP068607.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/19/2024	15:29	PP068614.D	9.21	4.05
LBLK	LBLK	11/19/2024	15:45	PP068615.D	9.21	4.05



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164991BL	SDG No.:	P4852
Lab Sample ID:	PB164991BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068538.D	1	11/15/24 08:50	11/18/24 11:49	PB164991

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	18.6		32 - 144	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.4		32 - 175	92%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/08/24
Project:	Webster School	Date Received:	11/08/24
Client Sample ID:	PIBLK-PP068360.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PP068360.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068360.D	1		11/08/24	PP110724

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	21.0		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 140	117%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/18/24
Project:	Webster School	Date Received:	11/18/24
Client Sample ID:	PIBLK-PP068531.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PP068531.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068531.D	1		11/18/24	PP111824

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	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 140	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/18/24
Project:	Webster School	Date Received:	11/18/24
Client Sample ID:	PIBLK-PP068543.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PP068543.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068543.D	1		11/18/24	PP111824

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	21.1		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		60 - 140	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/18/24
Project:	Webster School	Date Received:	11/18/24
Client Sample ID:	PIBLK-PP068558.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PP068558.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068558.D	1		11/18/24	PP111824

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	20.9		60 - 140	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		60 - 140	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/19/24
Project:	Webster School	Date Received:	11/19/24
Client Sample ID:	PIBLK-PP068606.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PP068606.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068606.D	1		11/19/24	PP111924

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	21.5		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		60 - 140	111%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/19/24
Project:	Webster School	Date Received:	11/19/24
Client Sample ID:	PIBLK-PP068615.D	SDG No.:	P4852
Lab Sample ID:	I.BLK-PP068615.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068615.D	1		11/19/24	PP111924

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	20.9		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		60 - 140	112%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Webster School	Date Received:	
Client Sample ID:	PB164991BS	SDG No.:	P4852
Lab Sample ID:	PB164991BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068539.D	1	11/15/24 08:50	11/18/24 12:05	PB164991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	146		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	132		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		32 - 175	97%	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/14/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	NB-08-111424MS	SDG No.:	P4852
Lab Sample ID:	P4859-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068536.D	1	11/15/24 08:50	11/18/24 11:16	PB164991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		3.70	18.5	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.5	ug/kg
11096-82-5	Aroclor-1260	154		3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		32 - 144	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		32 - 175	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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/14/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	NB-08-111424MSD	SDG No.:	P4852
Lab Sample ID:	P4859-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	91.9
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
PP068537.D	1	11/15/24 08:50	11/18/24 11:33	PB164991

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	170		3.70	18.5	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.5	ug/kg
11096-82-5	Aroclor-1260	156		3.20	18.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.9		32 - 144	90%	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

LAB CHRONICLE

OrderID:	P4852	OrderDate:	11/14/2024 11:23:00 AM
Client:	Kleinfelder	Project:	Webster School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	COMP-1	SOIL			11/13/24			11/14/24
			Mercury	7471B		11/15/24	11/18/24	
			Metals ICP-Group1	6010D		11/15/24	11/18/24	
P4852-02	COMP-2	SOIL			11/13/24			11/14/24
			Mercury	7471B		11/15/24	11/18/24	
			Metals ICP-Group1	6010D		11/15/24	11/18/24	
P4852-03	COMP-3	SOIL			11/13/24			11/14/24
			Mercury	7471B		11/15/24	11/18/24	
			Metals ICP-Group1	6010D		11/15/24	11/18/24	

Hit Summary Sheet
SW-846

SDG No.: P4852

Order ID: P4852

Client: Kleinfelder

Project ID: Webster School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P4852-01	COMP-1	SOIL	Aluminum	9990		2.43	5.05	mg/Kg
P4852-01	COMP-1	SOIL	Arsenic	3.69		0.29	1.01	mg/Kg
P4852-01	COMP-1	SOIL	Barium	40.1		0.65	5.05	mg/Kg
P4852-01	COMP-1	SOIL	Beryllium	0.71		0.012	0.30	mg/Kg
P4852-01	COMP-1	SOIL	Boron	8.83		0.80	5.05	mg/Kg
P4852-01	COMP-1	SOIL	Cadmium	1.24		0.016	0.30	mg/Kg
P4852-01	COMP-1	SOIL	Chromium	18.6		0.055	0.51	mg/Kg
P4852-01	COMP-1	SOIL	Cobalt	8.16		0.059	1.52	mg/Kg
P4852-01	COMP-1	SOIL	Copper	13.8		0.48	1.01	mg/Kg
P4852-01	COMP-1	SOIL	Iron	17100		2.72	5.05	mg/Kg
P4852-01	COMP-1	SOIL	Lead	19.9		0.15	0.61	mg/Kg
P4852-01	COMP-1	SOIL	Manganese	227		0.072	1.01	mg/Kg
P4852-01	COMP-1	SOIL	Mercury	0.070		0.0070	0.016	mg/Kg
P4852-01	COMP-1	SOIL	Nickel	11.6		0.091	2.02	mg/Kg
P4852-01	COMP-1	SOIL	Silver	0.087	J	0.053	0.51	mg/Kg
P4852-01	COMP-1	SOIL	Vanadium	30.1		0.27	2.02	mg/Kg
P4852-01	COMP-1	SOIL	Zinc	44.4		0.11	2.02	mg/Kg
Client ID : COMP-2								
P4852-02	COMP-2	SOIL	Aluminum	6800		2.48	5.14	mg/Kg
P4852-02	COMP-2	SOIL	Arsenic	2.53		0.30	1.03	mg/Kg
P4852-02	COMP-2	SOIL	Barium	44.8		0.66	5.14	mg/Kg
P4852-02	COMP-2	SOIL	Beryllium	0.60		0.012	0.31	mg/Kg
P4852-02	COMP-2	SOIL	Boron	4.95	J	0.81	5.14	mg/Kg
P4852-02	COMP-2	SOIL	Cadmium	1.63		0.016	0.31	mg/Kg
P4852-02	COMP-2	SOIL	Chromium	10.8		0.056	0.51	mg/Kg
P4852-02	COMP-2	SOIL	Cobalt	6.30		0.060	1.54	mg/Kg
P4852-02	COMP-2	SOIL	Copper	9.51		0.48	1.03	mg/Kg
P4852-02	COMP-2	SOIL	Iron	8980		2.77	5.14	mg/Kg
P4852-02	COMP-2	SOIL	Lead	32.3		0.15	0.62	mg/Kg
P4852-02	COMP-2	SOIL	Manganese	333		0.073	1.03	mg/Kg
P4852-02	COMP-2	SOIL	Mercury	0.076		0.0070	0.017	mg/Kg
P4852-02	COMP-2	SOIL	Nickel	10.7		0.093	2.06	mg/Kg
P4852-02	COMP-2	SOIL	Vanadium	15.4		0.28	2.06	mg/Kg
P4852-02	COMP-2	SOIL	Zinc	30.0		0.11	2.06	mg/Kg
Client ID : COMP-3								
P4852-03	COMP-3	SOIL	Aluminum	8780		2.30	4.78	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: P4852

Order ID: P4852

Client: Kleinfelder

Project ID: Webster School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4852-03	COMP-3	SOIL	Arsenic	3.34		0.28	0.96	mg/Kg
P4852-03	COMP-3	SOIL	Barium	47.0		0.61	4.78	mg/Kg
P4852-03	COMP-3	SOIL	Beryllium	0.60		0.011	0.29	mg/Kg
P4852-03	COMP-3	SOIL	Boron	6.33		0.76	4.78	mg/Kg
P4852-03	COMP-3	SOIL	Cadmium	1.32		0.015	0.29	mg/Kg
P4852-03	COMP-3	SOIL	Chromium	16.2		0.052	0.48	mg/Kg
P4852-03	COMP-3	SOIL	Cobalt	5.14		0.055	1.43	mg/Kg
P4852-03	COMP-3	SOIL	Copper	8.94		0.45	0.96	mg/Kg
P4852-03	COMP-3	SOIL	Iron	11500		2.57	4.78	mg/Kg
P4852-03	COMP-3	SOIL	Lead	27.6		0.14	0.57	mg/Kg
P4852-03	COMP-3	SOIL	Manganese	199		0.068	0.96	mg/Kg
P4852-03	COMP-3	SOIL	Mercury	0.14		0.0070	0.016	mg/Kg
P4852-03	COMP-3	SOIL	Molybdenum	0.65	J	0.31	9.56	mg/Kg
P4852-03	COMP-3	SOIL	Nickel	9.11		0.086	1.91	mg/Kg
P4852-03	COMP-3	SOIL	Vanadium	22.6		0.26	1.91	mg/Kg
P4852-03	COMP-3	SOIL	Zinc	47.9		0.11	1.91	mg/Kg



SAMPLE DATA

A

B

C

D

E

F

G

H

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9990		1	2.43	5.05	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-36-0	Antimony	0.15	U	1	0.15	2.53	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-38-2	Arsenic	3.69		1	0.29	1.01	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-39-3	Barium	40.1		1	0.65	5.05	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-41-7	Beryllium	0.71		1	0.012	0.30	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-42-8	Boron	8.83	N	1	0.80	5.05	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-43-9	Cadmium	1.24		1	0.016	0.30	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-47-3	Chromium	18.6		1	0.055	0.51	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-48-4	Cobalt	8.16		1	0.059	1.52	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-50-8	Copper	13.8		1	0.48	1.01	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7439-89-6	Iron	17100		1	2.72	5.05	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7439-92-1	Lead	19.9		1	0.15	0.61	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7439-96-5	Manganese	227		1	0.072	1.01	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7439-97-6	Mercury	0.070		1	0.0070	0.016	mg/Kg	11/15/24 16:05	11/18/24 11:12	SW7471B	
7439-98-7	Molybdenum	0.32	U	1	0.32	10.1	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-02-0	Nickel	11.6		1	0.091	2.02	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7782-49-2	Selenium	0.33	U	1	0.33	1.01	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-22-4	Silver	0.087	J	1	0.053	0.51	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-28-0	Thallium	0.44	U	1	0.44	2.02	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-62-2	Vanadium	30.1		1	0.27	2.02	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050
7440-66-6	Zinc	44.4		1	0.11	2.02	mg/Kg	11/15/24 10:30	11/18/24 15:26	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	81.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6800		1	2.48	5.14	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-36-0	Antimony	0.15	U	1	0.15	2.57	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-38-2	Arsenic	2.53		1	0.30	1.03	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-39-3	Barium	44.8		1	0.66	5.14	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-41-7	Beryllium	0.60		1	0.012	0.31	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-42-8	Boron	4.95	JN	1	0.81	5.14	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-43-9	Cadmium	1.63		1	0.016	0.31	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-47-3	Chromium	10.8		1	0.056	0.51	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-48-4	Cobalt	6.30		1	0.060	1.54	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-50-8	Copper	9.51		1	0.48	1.03	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7439-89-6	Iron	8980		1	2.77	5.14	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7439-92-1	Lead	32.3		1	0.15	0.62	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7439-96-5	Manganese	333		1	0.073	1.03	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7439-97-6	Mercury	0.076		1	0.0070	0.017	mg/Kg	11/15/24 16:05	11/18/24 11:14	SW7471B	
7439-98-7	Molybdenum	0.33	U	1	0.33	10.3	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-02-0	Nickel	10.7		1	0.093	2.06	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7782-49-2	Selenium	0.34	U	1	0.34	1.03	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-22-4	Silver	0.053	U	1	0.053	0.51	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-28-0	Thallium	0.45	U	1	0.45	2.06	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-62-2	Vanadium	15.4		1	0.28	2.06	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050
7440-66-6	Zinc	30.0		1	0.11	2.06	mg/Kg	11/15/24 10:30	11/18/24 15:31	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
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

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8780		1	2.30	4.78	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.39	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-38-2	Arsenic	3.34		1	0.28	0.96	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-39-3	Barium	47.0		1	0.61	4.78	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-41-7	Beryllium	0.60		1	0.011	0.29	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-42-8	Boron	6.33	N	1	0.76	4.78	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-43-9	Cadmium	1.32		1	0.015	0.29	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-47-3	Chromium	16.2		1	0.052	0.48	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-48-4	Cobalt	5.14		1	0.055	1.43	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-50-8	Copper	8.94		1	0.45	0.96	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7439-89-6	Iron	11500		1	2.57	4.78	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7439-92-1	Lead	27.6		1	0.14	0.57	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7439-96-5	Manganese	199		1	0.068	0.96	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7439-97-6	Mercury	0.14		1	0.0070	0.016	mg/Kg	11/15/24 16:05	11/18/24 11:16	SW7471B	
7439-98-7	Molybdenum	0.65	J	1	0.31	9.56	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-02-0	Nickel	9.11		1	0.086	1.91	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7782-49-2	Selenium	0.32	U	1	0.32	0.96	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-22-4	Silver	0.050	U	1	0.050	0.48	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.91	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-62-2	Vanadium	22.6		1	0.26	1.91	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050
7440-66-6	Zinc	47.9		1	0.11	1.91	mg/Kg	11/15/24 10:30	11/18/24 15:43	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
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
CCV96	Mercury	4.95	5.0	99	90 - 110	CV	11/18/2024	10:25	LB133482
CCV97	Mercury	4.89	5.0	98	90 - 110	CV	11/18/2024	11:03	LB133482
CCV98	Mercury	5.05	5.0	101	90 - 110	CV	11/18/2024	11:30	LB133482
CCV99	Mercury	5.16	5.0	103	90 - 110	CV	11/18/2024	11:44	LB133482

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P4852
Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
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	2680	2500	107	90 - 110	P	11/18/2024	12:57	LB133502
	Antimony	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Arsenic	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Barium	533	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Beryllium	521	510	102	90 - 110	P	11/18/2024	12:57	LB133502
	Boron	2370	2500	95	90 - 110	P	11/18/2024	12:57	LB133502
	Cadmium	523	510	103	90 - 110	P	11/18/2024	12:57	LB133502
	Chromium	554	520	107	90 - 110	P	11/18/2024	12:57	LB133502
	Cobalt	530	520	102	90 - 110	P	11/18/2024	12:57	LB133502
	Copper	544	510	107	90 - 110	P	11/18/2024	12:57	LB133502
	Iron	10500	10000	105	90 - 110	P	11/18/2024	12:57	LB133502
	Lead	1030	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Manganese	534	520	103	90 - 110	P	11/18/2024	12:57	LB133502
	Molybdenum	2540	2500	102	90 - 110	P	11/18/2024	12:57	LB133502
	Nickel	531	530	100	90 - 110	P	11/18/2024	12:57	LB133502
	Selenium	1070	1000	107	90 - 110	P	11/18/2024	12:57	LB133502
	Silver	264	250	106	90 - 110	P	11/18/2024	12:57	LB133502
	Thallium	1040	1000	104	90 - 110	P	11/18/2024	12:57	LB133502
	Vanadium	522	500	104	90 - 110	P	11/18/2024	12:57	LB133502
	Zinc	1080	1000	108	90 - 110	P	11/18/2024	12:57	LB133502

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P4852
 Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
 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	104	100	104	80 - 120	P	11/18/2024	13:11	LB133502
	Antimony	49.6	50.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Arsenic	18.9	20.0	94	80 - 120	P	11/18/2024	13:11	LB133502
	Barium	101	100	101	80 - 120	P	11/18/2024	13:11	LB133502
	Beryllium	6.06	6.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Boron	112	100	112	80 - 120	P	11/18/2024	13:11	LB133502
	Cadmium	6.99	6.0	116	80 - 120	P	11/18/2024	13:11	LB133502
	Chromium	10.5	10.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Cobalt	29.4	30.0	98	80 - 120	P	11/18/2024	13:11	LB133502
	Copper	22.1	20.0	110	80 - 120	P	11/18/2024	13:11	LB133502
	Iron	100	100	100	80 - 120	P	11/18/2024	13:11	LB133502
	Lead	12.1	12.0	101	80 - 120	P	11/18/2024	13:11	LB133502
	Manganese	20.8	20.0	104	80 - 120	P	11/18/2024	13:11	LB133502
	Molybdenum	213	200	106	80 - 120	P	11/18/2024	13:11	LB133502
	Nickel	39.0	40.0	97	80 - 120	P	11/18/2024	13:11	LB133502
	Selenium	20.9	20.0	105	80 - 120	P	11/18/2024	13:11	LB133502
	Silver	10.8	10.0	108	80 - 120	P	11/18/2024	13:11	LB133502
	Thallium	39.6	40.0	99	80 - 120	P	11/18/2024	13:11	LB133502
	Vanadium	40.1	40.0	100	80 - 120	P	11/18/2024	13:11	LB133502
	Zinc	43.9	40.0	110	80 - 120	P	11/18/2024	13:11	LB133502

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P4852
Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
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	11/18/2024	13:52	LB133502
	Antimony	5090	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Arsenic	4990	5000	100	90 - 110	P	11/18/2024	13:52	LB133502
	Barium	9590	10000	96	90 - 110	P	11/18/2024	13:52	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	13:52	LB133502
	Boron	4800	5000	96	90 - 110	P	11/18/2024	13:52	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Cobalt	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	13:52	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Lead	4930	5000	99	90 - 110	P	11/18/2024	13:52	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	13:52	LB133502
	Molybdenum	5170	5000	103	90 - 110	P	11/18/2024	13:52	LB133502
	Nickel	2460	2500	98	90 - 110	P	11/18/2024	13:52	LB133502
	Selenium	5110	5000	102	90 - 110	P	11/18/2024	13:52	LB133502
	Silver	1250	1250	100	90 - 110	P	11/18/2024	13:52	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	13:52	LB133502
	Vanadium	2470	2500	99	90 - 110	P	11/18/2024	13:52	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	13:52	LB133502
CCV02	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Antimony	5150	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Arsenic	5030	5000	101	90 - 110	P	11/18/2024	14:31	LB133502
	Barium	9540	10000	95	90 - 110	P	11/18/2024	14:31	LB133502
	Beryllium	243	250	97	90 - 110	P	11/18/2024	14:31	LB133502
	Boron	4810	5000	96	90 - 110	P	11/18/2024	14:31	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	14:31	LB133502
	Iron	4940	5000	99	90 - 110	P	11/18/2024	14:31	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	14:31	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	14:31	LB133502
	Molybdenum	5250	5000	105	90 - 110	P	11/18/2024	14:31	LB133502

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P4852
 Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
 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	2490	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Selenium	5160	5000	103	90 - 110	P	11/18/2024	14:31	LB133502
	Silver	1260	1250	100	90 - 110	P	11/18/2024	14:31	LB133502
	Thallium	5110	5000	102	90 - 110	P	11/18/2024	14:31	LB133502
	Vanadium	2500	2500	100	90 - 110	P	11/18/2024	14:31	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	14:31	LB133502
CCV03	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Antimony	5130	5000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Arsenic	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Barium	9430	10000	94	90 - 110	P	11/18/2024	15:35	LB133502
	Beryllium	239	250	96	90 - 110	P	11/18/2024	15:35	LB133502
	Boron	4710	5000	94	90 - 110	P	11/18/2024	15:35	LB133502
	Cadmium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Chromium	1020	1000	102	90 - 110	P	11/18/2024	15:35	LB133502
	Cobalt	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Copper	1270	1250	101	90 - 110	P	11/18/2024	15:35	LB133502
	Iron	4850	5000	97	90 - 110	P	11/18/2024	15:35	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	15:35	LB133502
	Manganese	2320	2500	93	90 - 110	P	11/18/2024	15:35	LB133502
	Molybdenum	5220	5000	104	90 - 110	P	11/18/2024	15:35	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Selenium	5130	5000	103	90 - 110	P	11/18/2024	15:35	LB133502
	Silver	1240	1250	100	90 - 110	P	11/18/2024	15:35	LB133502
	Thallium	5000	5000	100	90 - 110	P	11/18/2024	15:35	LB133502
	Vanadium	2450	2500	98	90 - 110	P	11/18/2024	15:35	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	15:35	LB133502
CCV04	Aluminum	10000	10000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Antimony	5140	5000	103	90 - 110	P	11/18/2024	16:25	LB133502
	Arsenic	5020	5000	100	90 - 110	P	11/18/2024	16:25	LB133502
	Barium	9440	10000	94	90 - 110	P	11/18/2024	16:25	LB133502
	Beryllium	241	250	96	90 - 110	P	11/18/2024	16:25	LB133502
	Boron	4730	5000	94	90 - 110	P	11/18/2024	16:25	LB133502
	Cadmium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Chromium	1030	1000	103	90 - 110	P	11/18/2024	16:25	LB133502

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder SDG No.: P4852
Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
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	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Copper	1270	1250	102	90 - 110	P	11/18/2024	16:25	LB133502
	Iron	4880	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Lead	4910	5000	98	90 - 110	P	11/18/2024	16:25	LB133502
	Manganese	2310	2500	92	90 - 110	P	11/18/2024	16:25	LB133502
	Molybdenum	5270	5000	105	90 - 110	P	11/18/2024	16:25	LB133502
	Nickel	2450	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Selenium	5210	5000	104	90 - 110	P	11/18/2024	16:25	LB133502
	Silver	1260	1250	101	90 - 110	P	11/18/2024	16:25	LB133502
	Thallium	5310	5000	106	90 - 110	P	11/18/2024	16:25	LB133502
	Vanadium	2460	2500	98	90 - 110	P	11/18/2024	16:25	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	16:25	LB133502
CCV05	Aluminum	10200	10000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Antimony	5270	5000	105	90 - 110	P	11/18/2024	17:01	LB133502
	Arsenic	5120	5000	102	90 - 110	P	11/18/2024	17:01	LB133502
	Barium	9720	10000	97	90 - 110	P	11/18/2024	17:01	LB133502
	Beryllium	246	250	98	90 - 110	P	11/18/2024	17:01	LB133502
	Boron	4840	5000	97	90 - 110	P	11/18/2024	17:01	LB133502
	Cadmium	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	17:01	LB133502
	Cobalt	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Copper	1300	1250	104	90 - 110	P	11/18/2024	17:01	LB133502
	Iron	4970	5000	99	90 - 110	P	11/18/2024	17:01	LB133502
	Lead	5000	5000	100	90 - 110	P	11/18/2024	17:01	LB133502
	Manganese	2370	2500	95	90 - 110	P	11/18/2024	17:01	LB133502
	Molybdenum	5320	5000	106	90 - 110	P	11/18/2024	17:01	LB133502
	Nickel	2500	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Selenium	5040	5000	101	90 - 110	P	11/18/2024	17:01	LB133502
	Silver	1280	1250	102	90 - 110	P	11/18/2024	17:01	LB133502
	Thallium	5140	5000	103	90 - 110	P	11/18/2024	17:01	LB133502
	Vanadium	2510	2500	100	90 - 110	P	11/18/2024	17:01	LB133502
	Zinc	2550	2500	102	90 - 110	P	11/18/2024	17:01	LB133502
CCV06	Aluminum	10100	10000	101	90 - 110	P	11/18/2024	18:04	LB133502
	Antimony	5200	5000	104	90 - 110	P	11/18/2024	18:04	LB133502

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
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	5080	5000	102	90 - 110	P	11/18/2024	18:04	LB133502
	Barium	9550	10000	96	90 - 110	P	11/18/2024	18:04	LB133502
	Beryllium	245	250	98	90 - 110	P	11/18/2024	18:04	LB133502
	Boron	4810	5000	96	90 - 110	P	11/18/2024	18:04	LB133502
	Cadmium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Chromium	1040	1000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Cobalt	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Copper	1280	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Iron	4960	5000	99	90 - 110	P	11/18/2024	18:04	LB133502
	Lead	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Manganese	2360	2500	94	90 - 110	P	11/18/2024	18:04	LB133502
	Molybdenum	5280	5000	106	90 - 110	P	11/18/2024	18:04	LB133502
	Nickel	2490	2500	99	90 - 110	P	11/18/2024	18:04	LB133502
	Selenium	4980	5000	100	90 - 110	P	11/18/2024	18:04	LB133502
	Silver	1270	1250	102	90 - 110	P	11/18/2024	18:04	LB133502
	Thallium	5170	5000	104	90 - 110	P	11/18/2024	18:04	LB133502
	Vanadium	2490	2500	100	90 - 110	P	11/18/2024	18:04	LB133502
	Zinc	2570	2500	103	90 - 110	P	11/18/2024	18:04	LB133502
CCV07	Aluminum	10500	10000	105	90 - 110	P	11/18/2024	18:54	LB133502
	Antimony	5440	5000	109	90 - 110	P	11/18/2024	18:54	LB133502
	Arsenic	5290	5000	106	90 - 110	P	11/18/2024	18:54	LB133502
	Barium	9680	10000	97	90 - 110	P	11/18/2024	18:54	LB133502
	Beryllium	251	250	100	90 - 110	P	11/18/2024	18:54	LB133502
	Boron	4910	5000	98	90 - 110	P	11/18/2024	18:54	LB133502
	Cadmium	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Chromium	1070	1000	107	90 - 110	P	11/18/2024	18:54	LB133502
	Cobalt	2570	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Copper	1330	1250	106	90 - 110	P	11/18/2024	18:54	LB133502
	Iron	5050	5000	101	90 - 110	P	11/18/2024	18:54	LB133502
	Lead	5140	5000	103	90 - 110	P	11/18/2024	18:54	LB133502
	Manganese	2410	2500	96	90 - 110	P	11/18/2024	18:54	LB133502
	Molybdenum	5500	5000	110	90 - 110	P	11/18/2024	18:54	LB133502
	Nickel	2560	2500	103	90 - 110	P	11/18/2024	18:54	LB133502
	Selenium	5260	5000	105	90 - 110	P	11/18/2024	18:54	LB133502



Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
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	0.20	0.2	102	40 - 160	CV	11/18/2024	10:29	LB133482
CRI01	Aluminum	107	100	107	40 - 160	P	11/18/2024	13:20	LB133502
	Antimony	51.5	50.0	103	40 - 160	P	11/18/2024	13:20	LB133502
	Arsenic	19.8	20.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Barium	98.9	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Beryllium	5.98	6.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Boron	109	100	110	40 - 160	P	11/18/2024	13:20	LB133502
	Cadmium	7.02	6.0	117	40 - 160	P	11/18/2024	13:20	LB133502
	Chromium	10.5	10.0	105	40 - 160	P	11/18/2024	13:20	LB133502
	Cobalt	29.7	30.0	99	40 - 160	P	11/18/2024	13:20	LB133502
	Copper	22.7	20.0	113	40 - 160	P	11/18/2024	13:20	LB133502
	Iron	99.2	100	99	40 - 160	P	11/18/2024	13:20	LB133502
	Lead	11.7	12.0	97	40 - 160	P	11/18/2024	13:20	LB133502
	Manganese	20.0	20.0	100	40 - 160	P	11/18/2024	13:20	LB133502
	Molybdenum	218	200	109	40 - 160	P	11/18/2024	13:20	LB133502
	Nickel	39.4	40.0	98	40 - 160	P	11/18/2024	13:20	LB133502
	Selenium	21.8	20.0	109	40 - 160	P	11/18/2024	13:20	LB133502
	Silver	11.0	10.0	110	40 - 160	P	11/18/2024	13:20	LB133502
	Thallium	40.7	40.0	102	40 - 160	P	11/18/2024	13:20	LB133502
	Vanadium	41.7	40.0	104	40 - 160	P	11/18/2024	13:20	LB133502
	Zinc	44.6	40.0	111	40 - 160	P	11/18/2024	13:20	LB133502



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Kleinfelder				SDG No.:	P4852				
Contract:	POWE02		Lab Code:	CHEM		Case No.:	P4852		SAS No.:	P4852
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB88	Mercury	0.20	+/-0.20	U	0.20	CV	11/18/2024	10:22	LB133482	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB96	Mercury	0.20	+/-0.20	U	0.20	CV	11/18/2024	10:27	LB133482
CCB97	Mercury	0.20	+/-0.20	U	0.20	CV	11/18/2024	11:05	LB133482
CCB98	Mercury	0.20	+/-0.20	U	0.20	CV	11/18/2024	11:32	LB133482
CCB99	Mercury	0.20	+/-0.20	U	0.20	CV	11/18/2024	11:46	LB133482

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder SDG No.: P4852
Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852

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	11/18/2024	13:15	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	13:15	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	13:15	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	13:15	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	13:15	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	13:15	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	13:15	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	13:15	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	13:15	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	13:15	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	13:15	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	13:15	LB133502

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder SDG No.: P4852
Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852

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	11/18/2024	14:02	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	14:02	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:02	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:02	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	14:02	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	14:02	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	14:02	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	14:02	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	14:02	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	14:02	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	14:02	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	14:02	LB133502
CCB02	Aluminum	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Antimony	4.42	+/-50.0	J	50.0	P	11/18/2024	14:35	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Barium	18.0	+/-100	J	100	P	11/18/2024	14:35	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:35	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	14:35	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	14:35	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	14:35	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	14:35	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	14:35	LB133502
	Manganese	5.73	+/-20.0	J	20.0	P	11/18/2024	14:35	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	14:35	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	14:35	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	14:35	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	14:35	LB133502
	Vanadium	6.17	+/-40.0	J	40.0	P	11/18/2024	14:35	LB133502

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>P4852</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4852</u>	SAS No.: <u>P4852</u>						
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	11/18/2024	14:35	LB133502
CCB03	Aluminum	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	15:39	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	15:39	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	15:39	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	15:39	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	15:39	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	15:39	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	15:39	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	15:39	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	15:39	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	15:39	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	15:39	LB133502
CCB04	Aluminum	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	16:29	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	16:29	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	16:29	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	16:29	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	16:29	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	16:29	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	16:29	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	16:29	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	16:29	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	16:29	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>Kleinfelder</u>		SDG No.: <u>P4852</u>							
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4852</u>	SAS No.: <u>P4852</u>						
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	11/18/2024	16:29	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	16:29	LB133502
CCB05	Aluminum	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	17:06	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	17:06	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	17:06	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	17:06	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	17:06	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	17:06	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	17:06	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	17:06	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	17:06	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	17:06	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	17:06	LB133502
CCB06	Aluminum	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	18:08	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:08	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:08	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	18:08	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	18:08	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	18:08	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	18:08	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	18:08	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	18:08	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	18:08	LB133502

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852

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	11/18/2024	18:08	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	18:08	LB133502
CCB07	Aluminum	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Antimony	50.0	+/-50.0	U	50.0	P	11/18/2024	18:58	LB133502
	Arsenic	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Barium	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Beryllium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:58	LB133502
	Boron	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Cadmium	6.00	+/-6.00	U	6.00	P	11/18/2024	18:58	LB133502
	Chromium	10.0	+/-10.0	U	10.0	P	11/18/2024	18:58	LB133502
	Cobalt	30.0	+/-30.0	U	30.0	P	11/18/2024	18:58	LB133502
	Copper	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Iron	100	+/-100	U	100	P	11/18/2024	18:58	LB133502
	Lead	12.0	+/-12.0	U	12.0	P	11/18/2024	18:58	LB133502
	Manganese	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Molybdenum	200	+/-200	U	200	P	11/18/2024	18:58	LB133502
	Nickel	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Selenium	20.0	+/-20.0	U	20.0	P	11/18/2024	18:58	LB133502
	Silver	10.0	+/-10.0	U	10.0	P	11/18/2024	18:58	LB133502
	Thallium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Vanadium	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502
	Zinc	40.0	+/-40.0	U	40.0	P	11/18/2024	18:58	LB133502

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: P4852

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165042BL		SOLID		Batch Number:	PB165042		Prep Date:	11/15/2024	
	Mercury	0.013	<0.013	U	0.013	CV	11/18/2024	10:39	LB133482

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Kleinfelder

SDG No.: P4852

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165003BL	SOLID			Batch Number:	PB165003		Prep Date:	11/15/2024	
	Aluminum	4.50	<4.50	U	4.50	P	11/18/2024	14:49	LB133502
	Antimony	2.25	<2.25	U	2.25	P	11/18/2024	14:49	LB133502
	Arsenic	0.90	<0.90	U	0.90	P	11/18/2024	14:49	LB133502
	Barium	4.50	<4.50	U	4.50	P	11/18/2024	14:49	LB133502
	Beryllium	0.27	<0.27	U	0.27	P	11/18/2024	14:49	LB133502
	Boron	4.50	<4.50	U	4.50	P	11/18/2024	14:49	LB133502
	Cadmium	0.27	<0.27	U	0.27	P	11/18/2024	14:49	LB133502
	Chromium	0.45	<0.45	U	0.45	P	11/18/2024	14:49	LB133502
	Cobalt	1.35	<1.35	U	1.35	P	11/18/2024	14:49	LB133502
	Copper	0.90	<0.90	U	0.90	P	11/18/2024	14:49	LB133502
	Iron	4.50	<4.50	U	4.50	P	11/18/2024	14:49	LB133502
	Lead	0.54	<0.54	U	0.54	P	11/18/2024	14:49	LB133502
	Manganese	0.90	<0.90	U	0.90	P	11/18/2024	14:49	LB133502
	Molybdenum	9.01	<9.01	U	9.01	P	11/18/2024	14:49	LB133502
	Nickel	1.80	<1.80	U	1.80	P	11/18/2024	14:49	LB133502
	Selenium	0.90	<0.90	U	0.90	P	11/18/2024	14:49	LB133502
	Silver	0.45	<0.45	U	0.45	P	11/18/2024	14:49	LB133502
	Thallium	1.80	<1.80	U	1.80	P	11/18/2024	14:49	LB133502
	Vanadium	1.80	<1.80	U	1.80	P	11/18/2024	14:49	LB133502
	Zinc	1.80	<1.80	U	1.80	P	11/18/2024	14:49	LB133502

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
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	255000	255000	100	216000	294000	11/18/2024	13:30	LB133502
	Antimony	-3.34			-50	50	11/18/2024	13:30	LB133502
	Arsenic	6.18			-20	20	11/18/2024	13:30	LB133502
	Barium	2.50	6.0	42	-94	106	11/18/2024	13:30	LB133502
	Beryllium	1.39			-6	6	11/18/2024	13:30	LB133502
	Boron	49.7	1000	5	-100	100	11/18/2024	13:30	LB133502
	Cadmium	4.50	1.0	450	-5	7	11/18/2024	13:30	LB133502
	Chromium	56.3	52.0	108	42	62	11/18/2024	13:30	LB133502
	Cobalt	1.87			-30	30	11/18/2024	13:30	LB133502
	Copper	14.3	2.0	715	-18	22	11/18/2024	13:30	LB133502
	Iron	96400	101000	95	85600	116500	11/18/2024	13:30	LB133502
	Lead	8.39			-12	12	11/18/2024	13:30	LB133502
	Manganese	3.33	7.0	48	-13	27	11/18/2024	13:30	LB133502
	Molybdenum	-0.014	1000		-200	200	11/18/2024	13:30	LB133502
	Nickel	2.89	2.0	144	-38	42	11/18/2024	13:30	LB133502
	Selenium	-16.2			-20	20	11/18/2024	13:30	LB133502
	Silver	-0.11			-10	10	11/18/2024	13:30	LB133502
	Thallium	-4.41			-40	40	11/18/2024	13:30	LB133502
	Vanadium	7.77			-40	40	11/18/2024	13:30	LB133502
	Zinc	5.14			-40	40	11/18/2024	13:30	LB133502
ICSAB01	Aluminum	263000	247000	106	209000	285000	11/18/2024	13:42	LB133502
	Antimony	633	618	102	525	711	11/18/2024	13:42	LB133502
	Arsenic	116	104	112	88.4	120	11/18/2024	13:42	LB133502
	Barium	493	537	92	437	637	11/18/2024	13:42	LB133502
	Beryllium	495	495	100	420	570	11/18/2024	13:42	LB133502
	Boron	911	1000	91	850	1150	11/18/2024	13:42	LB133502
	Cadmium	1020	972	105	826	1120	11/18/2024	13:42	LB133502
	Chromium	579	542	107	460	624	11/18/2024	13:42	LB133502
	Cobalt	508	476	107	404	548	11/18/2024	13:42	LB133502
	Copper	506	511	99	434	588	11/18/2024	13:42	LB133502
	Iron	98700	99300	99	84400	114500	11/18/2024	13:42	LB133502
	Lead	57.7	49.0	118	37	61	11/18/2024	13:42	LB133502
	Manganese	475	507	94	430	584	11/18/2024	13:42	LB133502
	Molybdenum	993	1000	99	850	1150	11/18/2024	13:42	LB133502
	Nickel	1000	954	105	810	1100	11/18/2024	13:42	LB133502
	Selenium	32.7	46.0	71	26	66	11/18/2024	13:42	LB133502
	Silver	202	201	100	170	232	11/18/2024	13:42	LB133502
	Thallium	91.6	108	85	68	148	11/18/2024	13:42	LB133502
	Vanadium	499	491	102	417	565	11/18/2024	13:42	LB133502
	Zinc	894	952	94	809	1095	11/18/2024	13:42	LB133502



METAL QC DATA

A

B

C

D

E

F

G

H

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>P4852</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>P4852</u> sas no.: <u>P4852</u>
matrix: <u>Solid</u>	sample id: <u>P4848-01</u>	client id: <u>TP-1MS</u>
Percent Solids for Sample: 85.3	Spiked ID: P4848-01MS	Percent Solids for Spike Sample: 85.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.63		0.40		0.28	85		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>P4852</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>P4852</u> sas no.: <u>P4852</u>
matrix: <u>Solid</u>	sample id: <u>P4848-01</u>	client id: <u>TP-1MSD</u>
Percent Solids for Sample: <u>85.3</u>	Spiked ID: <u>P4848-01MSD</u>	Percent Solids for Spike Sample: <u>85.3</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.65		0.40		0.29	87		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>P4852</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>P4852</u> sas no.: <u>P4852</u>
matrix: <u>Solid</u>	sample id: <u>P4859-01</u>	client id: <u>NB-08-111424MS</u>
Percent Solids for Sample: 91.9	Spiked ID: P4859-01MS	Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6500		6260		92.2	263		P
Antimony	mg/Kg	75 - 125	31.2		2.26	U	36.9	85		P
Arsenic	mg/Kg	75 - 125	32.5		1.52		36.9	84		P
Barium	mg/Kg	75 - 125	75.9		67.8		9.2	87		P
Beryllium	mg/Kg	75 - 125	7.88		0.57		9.2	79		P
Boron	mg/Kg	75 - 125	19.7		9.47		13.8	74	N	P
Cadmium	mg/Kg	75 - 125	9.74		0.81		9.2	97		P
Chromium	mg/Kg	75 - 125	25.7		9.99		18.4	85		P
Cobalt	mg/Kg	75 - 125	17.2		8.14		9.2	99		P
Copper	mg/Kg	75 - 125	28.2		17.0		13.8	81		P
Iron	mg/Kg	75 - 125	10200		9910		140	212		P
Lead	mg/Kg	75 - 125	57.0		14.7		46.1	92		P
Manganese	mg/Kg	75 - 125	313		304		9.2	101		P
Molybdenum	mg/Kg	75 - 125	16.6		9.03	U	18.4	90		P
Nickel	mg/Kg	75 - 125	35.2		13.0		23.1	96		P
Selenium	mg/Kg	75 - 125	76.2		0.90	U	92.2	83		P
Silver	mg/Kg	75 - 125	3.02		0.45	U	3.5	86		P
Thallium	mg/Kg	75 - 125	89.9		1.81	U	92.2	98		P
Vanadium	mg/Kg	75 - 125	25.9		14.2		13.8	85		P
Zinc	mg/Kg	75 - 125	39.1		30.4		9.2	94		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Kleinfelder</u>	level: <u>low</u>	sdg no.: <u>P4852</u>
contract: <u>POWE02</u>	lab code: <u>CHEM</u>	case no.: <u>P4852</u> sas no.: <u>P4852</u>
matrix: <u>Solid</u>	sample id: <u>P4859-01</u>	client id: <u>NB-08-111424MSD</u>
Percent Solids for Sample: 91.9	Spiked ID: P4859-01MSD	Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	6470		6260		91.1	225		P
Antimony	mg/Kg	75 - 125	30.1		2.26	U	36.4	83		P
Arsenic	mg/Kg	75 - 125	31.3		1.52		36.4	82		P
Barium	mg/Kg	75 - 125	75.1		67.8		9.1	79		P
Beryllium	mg/Kg	75 - 125	7.63		0.57		9.1	78		P
Boron	mg/Kg	75 - 125	19.0		9.47		13.7	70	N	P
Cadmium	mg/Kg	75 - 125	9.35		0.81		9.1	94		P
Chromium	mg/Kg	75 - 125	24.8		9.99		18.2	82		P
Cobalt	mg/Kg	75 - 125	16.7		8.14		9.1	94		P
Copper	mg/Kg	75 - 125	27.4		17.0		13.7	76		P
Iron	mg/Kg	75 - 125	9990		9910		140	54		P
Lead	mg/Kg	75 - 125	54.9		14.7		45.5	88		P
Manganese	mg/Kg	75 - 125	309		304		9.1	57		P
Molybdenum	mg/Kg	75 - 125	16.0		9.03	U	18.2	88		P
Nickel	mg/Kg	75 - 125	34.0		13.0		22.8	92		P
Selenium	mg/Kg	75 - 125	72.8		0.90	U	91.1	80		P
Silver	mg/Kg	75 - 125	2.91		0.45	U	3.4	86		P
Thallium	mg/Kg	75 - 125	86.7		1.81	U	91.1	95		P
Vanadium	mg/Kg	75 - 125	25.3		14.2		13.7	81		P
Zinc	mg/Kg	75 - 125	38.3		30.4		9.1	86		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: <u>Kleinfelder</u>	SDG No.: <u>P4852</u>	
Contract: <u>POWE02</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4852</u> SAS No.: <u>P4852</u>
Matrix: <u>Solid</u>	Level: <u>LOW</u>	Client ID: <u>NB-08-111424A</u>
Sample ID: <u>P4859-01</u>	Spiked ID: <u>P4859-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Boron	mg/Kg	75 - 125	19.1		9.47		13.5	71		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
Matrix: Solid **Sample ID:** P4848-01 **Client ID:** TP-1DUP
Percent Solids for Sample: 85.3 **Duplicate ID** P4848-01DUP **Percent Solids for Spike Sample:** 85.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.40		0.39		3		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Kleinfelder</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4852</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4852</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4848-01MS</u>	Client ID:	<u>TP-1MSD</u>
Percent Solids for Sample:	85.3	Duplicate ID	P4848-01MSD	Percent Solids for Spike Sample:	85.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.63		0.65		2		CV

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
Matrix: Solid **Sample ID:** P4859-01 **Client ID:** NB-08-111424DUP
Percent Solids for Sample: 91.9 **Duplicate ID** P4859-01DUP **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6260		6300		1		P
Antimony	mg/Kg	20	2.26	U	2.24	U			P
Arsenic	mg/Kg	20	1.52		1.55		2		P
Barium	mg/Kg	20	67.8		66.2		2		P
Beryllium	mg/Kg	20	0.57		0.55		3		P
Boron	mg/Kg	20	9.47		9.30		2		P
Cadmium	mg/Kg	20	0.81		0.86		6		P
Chromium	mg/Kg	20	9.99		10.1		1		P
Cobalt	mg/Kg	20	8.14		8.13		0		P
Copper	mg/Kg	20	17.0		16.7		2		P
Iron	mg/Kg	20	9910		10000		1		P
Lead	mg/Kg	20	14.7		14.6		1		P
Manganese	mg/Kg	20	304		295		3		P
Molybdenum	mg/Kg	20	9.03	U	8.96	U			P
Nickel	mg/Kg	20	13.0		12.9		1		P
Selenium	mg/Kg	20	0.90	U	0.90	U			P
Silver	mg/Kg	20	0.45	U	0.051	J	200.0		P
Thallium	mg/Kg	20	1.81	U	1.79	U			P
Vanadium	mg/Kg	20	14.2		14.1		1		P
Zinc	mg/Kg	20	30.4		31.1		2		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852
Matrix: Solid **Sample ID:** P4859-01MS **Client ID:** NB-08-111424MSD
Percent Solids for Sample: 91.9 **Duplicate ID** P4859-01MSD **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6500		6470		0		P
Antimony	mg/Kg	20	31.2		30.1		4		P
Arsenic	mg/Kg	20	32.5		31.3		4		P
Barium	mg/Kg	20	75.9		75.1		1		P
Beryllium	mg/Kg	20	7.88		7.63		3		P
Boron	mg/Kg	20	19.7		19.0		4		P
Cadmium	mg/Kg	20	9.74		9.35		4		P
Chromium	mg/Kg	20	25.7		24.8		4		P
Cobalt	mg/Kg	20	17.2		16.7		3		P
Copper	mg/Kg	20	28.2		27.4		3		P
Iron	mg/Kg	20	10200		9990		2		P
Lead	mg/Kg	20	57.0		54.9		4		P
Manganese	mg/Kg	20	313		309		1		P
Molybdenum	mg/Kg	20	16.6		16.0		4		P
Nickel	mg/Kg	20	35.2		34.0		3		P
Selenium	mg/Kg	20	76.2		72.8		5		P
Silver	mg/Kg	20	3.02		2.91		4		P
Thallium	mg/Kg	20	89.9		86.7		4		P
Vanadium	mg/Kg	20	25.9		25.3		2		P
Zinc	mg/Kg	20	39.1		38.3		2		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165003BS							
Aluminum	mg/Kg	90.1	90.7		101	80 - 120	P
Antimony	mg/Kg	36.0	35.6		99	80 - 120	P
Arsenic	mg/Kg	36.0	34.9		97	80 - 120	P
Barium	mg/Kg	9.0	8.59		95	80 - 120	P
Beryllium	mg/Kg	9.0	8.95		99	80 - 120	P
Boron	mg/Kg	13.5	13.2		98	80 - 120	P
Cadmium	mg/Kg	9.0	8.69		97	80 - 120	P
Chromium	mg/Kg	18.0	18.6		103	80 - 120	P
Cobalt	mg/Kg	9.0	8.82		98	80 - 120	P
Copper	mg/Kg	13.5	14.0		104	80 - 120	P
Iron	mg/Kg	140	131		94	80 - 120	P
Lead	mg/Kg	45.0	43.6		97	80 - 120	P
Manganese	mg/Kg	9.0	8.90		99	80 - 120	P
Molybdenum	mg/Kg	18.0	19.2		107	80 - 120	P
Nickel	mg/Kg	22.5	22.0		98	80 - 120	P
Selenium	mg/Kg	90.1	89.4		99	80 - 120	P
Silver	mg/Kg	3.4	3.38		99	80 - 120	P
Thallium	mg/Kg	90.1	91.6		102	80 - 120	P
Vanadium	mg/Kg	13.5	13.6		101	80 - 120	P
Zinc	mg/Kg	9.0	9.40		104	80 - 120	P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P4852
Contract: POWE02 **Lab Code:** CHEM **Case No.:** P4852 **SAS No.:** P4852

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165042BS Mercury	mg/Kg	0.27	0.23		86	80 - 120	CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

TP-1L

Lab Name: Chemtech Consulting Group **Contract:** POWE02
Lab Code: CHEM **Lb No.:** lb133482 **Lab Sample ID :** P4848-01L **SDG No.:** P4852
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.40	0.36	9		CV

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

NB-08-111424L

Lab Name: Chemtech Consulting Group

Contract: POWE02

Lab Code: CHEM Lb No.: lb133502 Lab Sample ID : P4859-01L SDG No.: P4852

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Aluminum	6260		7140		14		P
Antimony	2.26	U	11.3	U			P
Arsenic	1.52		1.41	J	8		P
Barium	67.8		74.7		10		P
Beryllium	0.57		0.67	J	19		P
Boron	9.47		11.0	J	17		P
Cadmium	0.81		0.47	J	41		P
Chromium	9.99		12.0		20		P
Cobalt	8.14		8.16		0		P
Copper	17.0		20.5		21		P
Iron	9910		11700		18		P
Lead	14.7		15.5		5		P
Manganese	304		350		15		P
Molybdenum	9.03	U	45.2	U			P
Nickel	13.0		13.2		1		P
Selenium	0.90	U	4.52	U			P
Silver	0.45	U	2.26	U			P
Thallium	1.81	U	9.03	U			P
Vanadium	14.2		16.7		17		P
Zinc	30.4		36.0		18		P



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P4852

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder SDG No.: P4852
 Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
 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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P4852

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder SDG No.: P4852
 Contract: POWE02 Lab Code: CHEM Case No.: P4852 SAS No.: P4852
 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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder

SDG No.: P4852

Contract: POWE02

Lab Code: CHEM

Case No.: P4852

SAS No.: P4852

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

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>P4852</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4852</u>
		SAS No.:	<u>P4852</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165003							
P4852-01	COMP-1	SAM	SOLID	11/15/2024	2.38	100.0	83.20
P4852-02	COMP-2	SAM	SOLID	11/15/2024	2.39	100.0	81.40
P4852-03	COMP-3	SAM	SOLID	11/15/2024	2.37	100.0	88.40
P4859-01DUP	NB-08-111424DUP	DUP	SOLID	11/15/2024	2.43	100.0	91.90
P4859-01MS	NB-08-111424MS	MS	SOLID	11/15/2024	2.36	100.0	91.90
P4859-01MSD	NB-08-111424MSD	MSD	SOLID	11/15/2024	2.39	100.0	91.90
PB165003BL	PB165003BL	MB	SOLID	11/15/2024	2.22	100.0	100.00
PB165003BS	PB165003BS	LCS	SOLID	11/15/2024	2.22	100.0	100.00

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Kleinfelder</u>	SDG No.:	<u>P4852</u>
Contract:	<u>POWE02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4852</u>
		SAS No.:	<u>P4852</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB165042							
P4848-01DUP	TP-1DUP	DUP	SOLID	11/15/2024	0.56	35.0	85.30
P4848-01MS	TP-1MS	MS	SOLID	11/15/2024	0.58	35.0	85.30
P4848-01MSD	TP-1MSD	MSD	SOLID	11/15/2024	0.56	35.0	85.30
P4852-01	COMP-1	SAM	SOLID	11/15/2024	0.51	35.0	83.20
P4852-02	COMP-2	SAM	SOLID	11/15/2024	0.52	35.0	81.40
P4852-03	COMP-3	SAM	SOLID	11/15/2024	0.51	35.0	88.40
PB165042BL	PB165042BL	MB	SOLID	11/15/2024	0.56	35.0	100.00
PB165042BS	PB165042BS	LCS	SOLID	11/15/2024	0.52	35.0	100.00

metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P4852 **Sas no.:** P4852 **Sdg no.:** P4852

Instrument id number: **Method:** **Run number:** LB133482

Start date: 11/18/2024 **End date:** 11/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1003	HG
S0.2	S0.2	1	1005	HG
S2.5	S2.5	1	1008	HG
S5	S5	1	1010	HG
S7.5	S7.5	1	1012	HG
S10	S10	1	1015	HG
ICV88	ICV88	1	1020	HG
ICB88	ICB88	1	1022	HG
CCV96	CCV96	1	1025	HG
CCB96	CCB96	1	1027	HG
CRA	CRA	1	1029	HG
PB165042BL	PB165042BL	1	1039	HG
PB165042BS	PB165042BS	1	1044	HG
P4848-01DUP	TP-1DUP	1	1053	HG
P4848-01MS	TP-1MS	1	1056	HG
P4848-01MSD	TP-1MSD	1	1058	HG
CCV97	CCV97	1	1103	HG
CCB97	CCB97	1	1105	HG
P4852-01	COMP-1	1	1112	HG
P4852-02	COMP-2	1	1114	HG
P4852-03	COMP-3	1	1116	HG
CCV98	CCV98	1	1130	HG
CCB98	CCB98	1	1132	HG
P4848-01L	TP-1L	5	1139	HG
CCV99	CCV99	1	1144	HG
CCB99	CCB99	1	1146	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P4852 **Sas no.:** P4852 **Sdg no.:** P4852

Instrument id number: **Method:** **Run number:** LB133502

Start date: 11/18/2024 **End date:** 11/18/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1231	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1236	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1240	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1244	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1249	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1253	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1257	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1311	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1315	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1320	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1330	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1342	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1352	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1402	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1431	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1435	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB165003BL	PB165003BL	1	1449	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB165003BS	PB165003BS	1	1453	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4852-01	COMP-1	1	1526	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4852-02	COMP-2	1	1531	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1535	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1539	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4852-03	COMP-3	1	1543	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4859-01DUP	NB-08-111424DUP	1	1548	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4859-01L	NB-08-111424L	5	1552	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4859-01MS	NB-08-111424MS	1	1556	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4859-01MSD	NB-08-111424MSD	1	1600	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P4859-01A	NB-08-111424A	1	1604	B
CCV04	CCV04	1	1625	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1629	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1701	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1706	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1804	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1808	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1854	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1858	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

LAB CHRONICLE

OrderID:	P4852	OrderDate:	11/14/2024 11:23:00 AM
Client:	Kleinfelder	Project:	Webster School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4852-01	COMP-1	SOIL			11/13/24 09:40			11/14/24
			Ammonia	SM4500-NH3		11/19/24	11/19/24 15:30	
			Anions Group1	9056A			11/15/24 17:35	
			Hexavalent Chromium	7196A		11/15/24	11/15/24 12:55	
			Trivalent Chromium	6010D			11/18/24 15:26	
P4852-02	COMP-2	SOIL			11/13/24 10:20			11/14/24
			Ammonia	SM4500-NH3		11/19/24	11/19/24 15:38	
			Anions Group1	9056A			11/15/24 18:40	
			Hexavalent Chromium	7196A		11/15/24	11/15/24 12:56	
			Trivalent Chromium	6010D			11/18/24 15:31	
P4852-03	COMP-3	SOIL			11/13/24 10:50			11/14/24
			Ammonia	SM4500-NH3		11/19/24	11/19/24 15:38	
			Anions Group1	9056A			11/15/24 19:01	
			Hexavalent Chromium	7196A		11/15/24	11/15/24 12:57	
			Trivalent Chromium	6010D			11/18/24 15:43	



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24 09:40
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-1	SDG No.:	P4852
Lab Sample ID:	P4852-01	Matrix:	SOIL
		% Solid:	83.2

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.10	U	1	1.10	6.00	mg/Kg	11/19/24 12:20	11/19/24 15:30	SM 4500-NH3 B plus G-11
Chloride	44.7		1	0.12	14.4	mg/Kg		11/15/24 17:35	9056A
Fluoride	6.70	J	1	0.46	9.60	mg/Kg		11/15/24 17:35	9056A
Sulfate	41.1	J	1	0.73	72.0	mg/Kg		11/15/24 17:35	9056A
Hexavalent Chromium	0.095	U	1	0.095	0.48	mg/Kg	11/15/24 09:30	11/15/24 12:55	7196A
Trivalent Chromium	18.6		1	0.60	0.60	mg/Kg		11/18/24 15:26	6010D

Comments: _____

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24 10:20
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-2	SDG No.:	P4852
Lab Sample ID:	P4852-02	Matrix:	SOIL
		% Solid:	81.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.10	U	1	1.10	6.00	mg/Kg	11/19/24 12:20	11/19/24 15:38	SM 4500-NH3 B plus G-11
Chloride	36.3		1	0.12	14.6	mg/Kg		11/15/24 18:40	9056A
Fluoride	7.80	J	1	0.46	9.80	mg/Kg		11/15/24 18:40	9056A
Sulfate	29.1	J	1	0.74	73.1	mg/Kg		11/15/24 18:40	9056A
Hexavalent Chromium	0.096	U	1	0.096	0.48	mg/Kg	11/15/24 09:30	11/15/24 12:56	7196A
Trivalent Chromium	10.8		1	0.61	0.61	mg/Kg		11/18/24 15:31	6010D

Comments: _____

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/13/24 10:50
Project:	Webster School	Date Received:	11/14/24
Client Sample ID:	COMP-3	SDG No.:	P4852
Lab Sample ID:	P4852-03	Matrix:	SOIL
		% Solid:	88.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.10	J	1	1.00	5.60	mg/Kg	11/19/24 12:20	11/19/24 15:38	SM 4500-NH3 B plus G-11
Chloride	65.0		1	0.11	13.5	mg/Kg		11/15/24 19:01	9056A
Fluoride	9.10		1	0.43	9.00	mg/Kg		11/15/24 19:01	9056A
Sulfate	68.3		1	0.69	67.6	mg/Kg		11/15/24 19:01	9056A
Hexavalent Chromium	0.088	U	1	0.088	0.45	mg/Kg	11/15/24 09:30	11/15/24 12:57	7196A
Trivalent Chromium	16.2		1	0.57	0.57	mg/Kg		11/18/24 15:43	6010D

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

RunNo.: LB133468

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	11/15/2024
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.502	0.5	100	90-110	11/15/2024
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	11/15/2024
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	11/15/2024

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

RunNo.: LB133508

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	10.5	10	105	90-110	11/15/2024
Chloride	mg/L	3.1	3	103	90-110	11/15/2024
Fluoride	mg/L	2.1	2	105	90-110	11/15/2024
Nitrite	mg/L	3.1	3	103	90-110	11/15/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/15/2024
Sulfate	mg/L	15.5	15	103	90-110	11/15/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/15/2024
Sample ID: CCV2						
Bromide	mg/L	10.5	10	105	90-110	11/15/2024
Chloride	mg/L	3.1	3	103	90-110	11/15/2024
Fluoride	mg/L	2.1	2	105	90-110	11/15/2024
Nitrite	mg/L	3.1	3	103	90-110	11/15/2024
Nitrate	mg/L	2.6	2.5	104	90-110	11/15/2024
Sulfate	mg/L	15.5	15	103	90-110	11/15/2024
Orthophosphate as P	mg/L	5.2	5	104	90-110	11/15/2024

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

RunNo.: LB133520

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	11/19/2024
Sample ID: CCV1 Ammonia as N	mg/L	0.99	1	99	90-110	11/19/2024
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	11/19/2024
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	11/19/2024

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

RunNo.: LB133468

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	11/15/2024
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/15/2024
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/15/2024
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0027	0.01	11/15/2024

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

RunNo.: LB133508

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	11/15/2024
Chloride	mg/L	0.074	0.3000	J	0.011	0.6	11/15/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/15/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/2024
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	11/15/2024
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	11/15/2024
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	11/15/2024
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	11/15/2024
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	11/15/2024
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	11/15/2024

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

RunNo.: LB133520

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	11/19/2024
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/19/2024
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/19/2024
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	11/19/2024

Preparation Blank Summary

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB133508BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	0.49	40	11/15/2024
Chloride	mg/Kg	< 6.0000	6.0000	U	0.096	12	11/15/2024
Fluoride	mg/Kg	< 4.0000	4.0000	U	0.38	8	11/15/2024
Nitrite	mg/Kg	< 6.0000	6.0000	U	0.19	12	11/15/2024
Nitrate	mg/Kg	< 5.0000	5.0000	U	0.089	10	11/15/2024
Sulfate	mg/Kg	< 30.0000	30.0000	U	0.61	60	11/15/2024
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	0.24	20	11/15/2024
Sample ID: PB164961BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.079	0.4	11/15/2024
Sample ID: PB165004BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	0.9	5	11/19/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4833-01
Client ID:	MH-731MS	Percent Solids for Spike Sample:	86.3

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	1460		0.090	U	1490	40	98		11/15/2024

Matrix Spike Summary

Client:

Kleinfelder

SDG No.:

P4852

Project:

Webster School

Sample ID:

P4833-01

Client ID:

MH-731MS

Percent Solids for Spike Sample:

86.3

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	45.0		0.090	U	46.3	2	97		11/15/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4833-01
Client ID:	MH-731MS	Percent Solids for Spike Sample:	86.3

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	38.0		0.090	U	46.3	2	82		11/15/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4852-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	83.2

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	254		0.59	U	240	1	106		11/15/2024
Ammonia as N	mg/Kg	75-125	58.9		1.10	U	58.9	1	100		11/19/2024
Chloride	mg/Kg	80-120	137		44.7		72	1	128	*	11/15/2024
Fluoride	mg/Kg	80-120	47.1		6.70	J	48	1	84		11/15/2024
Nitrite	mg/Kg	80-120	76.2		0.23	U	72	1	106		11/15/2024
Nitrate	mg/Kg	80-120	64.4		2.30	J	60	1	104		11/15/2024
Sulfate	mg/Kg	80-120	405		41.1	J	360	1	101		11/15/2024
Orthophosphate as P	mg/Kg	80-120	88.3		8.80	J	120	1	66	*	11/15/2024

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4852-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	83.2

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	254		0.59	U	240	1	106		11/15/2024
Ammonia as N	mg/Kg	75-125	60.8		1.10	U	59.5	1	102		11/19/2024
Chloride	mg/Kg	80-120	137		44.7		72	1	128	*	11/15/2024
Fluoride	mg/Kg	80-120	47.6		6.70	J	48	1	85		11/15/2024
Nitrite	mg/Kg	80-120	76.2		0.23	U	72	1	106		11/15/2024
Nitrate	mg/Kg	80-120	64.5		2.30	J	60	1	104		11/15/2024
Sulfate	mg/Kg	80-120	405		41.1	J	360	1	101		11/15/2024
Orthophosphate as P	mg/Kg	80-120	86.1		8.80	J	120	1	64	*	11/15/2024

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4833-01
Client ID:	MH-731DUP	Percent Solids for Spike Sample:	86.3

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.090	U	0.090	U	1	0		11/15/2024

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4852-01
Client ID:	COMP-1DUP	Percent Solids for Spike Sample:	83.2

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	1.10	U	1.10	U	1	0		11/19/2024

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Sample ID:	P4852-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	83.2

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	254		254		1	0		11/15/2024
Chloride	mg/Kg	+/-15	137		137		1	0		11/15/2024
Nitrate	mg/Kg	+/-15	64.4		64.5		1	0		11/15/2024
Nitrite	mg/Kg	+/-15	76.2		76.2		1	0		11/15/2024
Sulfate	mg/Kg	+/-15	405		405		1	0		11/15/2024
Fluoride	mg/Kg	+/-15	47.1		47.6		1	1		11/15/2024
Orthophosphate as P	mg/Kg	+/-15	88.3		86.1		1	3		11/15/2024
Ammonia as N	mg/Kg	+/-20	58.9		60.8		1	3		11/19/2024

Laboratory Control Sample Summary

Client:	Kleinfelder	SDG No.:	P4852
Project:	Webster School	Run No.:	LB133508

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133508BSS							
Bromide	mg/Kg	200	210		105	1	90-110	11/15/2024
Chloride	mg/Kg	60	62.7		104	1	90-110	11/15/2024
Fluoride	mg/Kg	40	42.2		106	1	90-110	11/15/2024
Nitrite	mg/Kg	60	62.9		105	1	90-110	11/15/2024
Nitrate	mg/Kg	50	52.5		105	1	90-110	11/15/2024
Sulfate	mg/Kg	300	310		103	1	90-110	11/15/2024
Orthophosphate as P	mg/Kg	100	104		104	1	90-110	11/15/2024

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

Run No.: LB133468

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB164961BS							
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	11/15/2024

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: P4852

Project: Webster School

Run No.: LB133520

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB165004BS							
Ammonia as N	mg/Kg	50	51.0		102	1	90-110	11/19/2024



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. **P4852**
QUOTE NO. **P4852**
COC Number **2042294**

11

11.1

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: **Webster School**
PROJECT NO.: **25001986001A** LOCATION: **Philadelphia, PA**
PROJECT MANAGER: **Mark Warchol**
e-mail: **mwarchol@kleinfelder.com**
PHONE: **484-883-3892** FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#: **Same**
ADDRESS: **Same**
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

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 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

PAIDEP Clean Fill
Parameters Hold

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS ← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		E	E								
1.	COMP-1	Soil	✓		11/13/24	9:40	3	✓									
2.	COMP-2		↓			10:20	↓	↓									
3.	COMP-3		↓			10:50	↓	↓									
4.	SB-1 JC			✓			1		✓								
5.	SB-2					9:25	↓										
6.	SB-3					9:30	↓										
7.	SB-4					9:35	↓										
8.	SB-5					9:45	↓										
9.	SB-6					9:50	↓										
10.	SB-7		✓	✓	✓	9:55	✓	✓									

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 11/13/24 15:15	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5-3 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME: 11-14-24	RECEIVED BY: 2. [Signature]	Comments: Place all grab samples on hold, no analysis until further notice
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	Page 1 of 2 CLIENT: ☐ Hand Delivered ☒ Other FedEx Shipment Complete ☐ YES ☐ NO

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.

COC Number 2042293

P4852

11

11.1

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: Webster School
PROJECT NO.: 25001986.001A 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:

ANALYSIS

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 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

PRESERVATIVES									COMMENTS	
← Specify Preservatives										
A-HCl	D-NaOH									
B-HNO3	E-ICE									
C-H2SO4	F-OTHER									

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	SB-8	Soil		✓	11/13/24	10:15	1	✓										
2.	SB-9	↓		↓	↓	10:25	↓	↓										
3.	SB-10	↓		↓	↓	10:30	↓	↓										
4.	SB-11	↓		↓	↓	10:40	↓	↓										
5.	SB-12	↓		↓	↓	10:45	↓	↓										
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 11/13/24 15:15	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP. 5.3 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME: 1049 11-14-24	RECEIVED BY: 2. <i>[Signature]</i>	Comments: Place all grab samples on hold, no analysis until further notice
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 3. <i>[Signature]</i>	Page 2 of 2

CLIENT: ☐ Hand Delivered ☒ Other Fed Ex	Shipment Complete ☐ YES ☐ NO
CHEMTECH: ☐ Picked Up ☐ Field Sampling	

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4852 POWE02

Order Date : 11/14/2024 11:23:00 AM

Project Mgr :

Client Name : Kleinfelder

Project Name : Webster School

Report Type : Results+QC

Client Contact : Mark Warchol

Receive DateTime : 11/14/2024 10:49:00 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
P4852-01	COMP-1	Solid	11/13/2024	09:40					
					VOCMS Group1		8260D	5 Bus. Days	
P4852-02	COMP-2	Solid	11/13/2024	10:20					
					VOCMS Group1		8260D	5 Bus. Days	
P4852-03	COMP-3	Solid	11/13/2024	10:50					
					VOCMS Group1		8260D	5 Bus. Days	

Relinquished By :

Date / Time :

CP
11-14-24 12:33

Received By :

Date / Time :

pl
11-14-24 12:33

Storage Area : VOA Refridgerator Room