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

DATA PACKAGE

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

PROJECT NAME : COMEGYS SCHOOL

KLEINFELDER

180 Sheree Boulevard, Suite 3800

Exton, PA - 19341

Phone No: 610-594-1444

ORDER ID : P5382

ATTENTION : Mark Warchol

Laboratory Certification ID # 20012

Table Of Contents for P5382

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

Order ID : P5382

Project ID : Comegys School

Client : Kleinfelder

Lab Sample Number	Client Sample Number
P5382-01	COMP-1
P5382-02	COMP-2
P5382-03	COMP-3
P5382-04	SB-1
P5382-05	SB-2
P5382-06	SB-3
P5382-07	SB-4
P5382-08	SB-5
P5382-09	SB-6
P5382-10	SB-7
P5382-11	SB-8
P5382-12	SB-9
P5382-13	SB-10
P5382-14	SB-11
P5382-15	SB-12

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Jan 07, 2025

Date: 1/4/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Kleinfelder
Project Name: Comegys School
Project # N/A
Chemtech Project # P5382
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
15 Solid samples were received on 12/23/2024.

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

C. Analytical Techniques:
The analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
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 %RSD is greater than 20% in the Initial Calibration method (82Y122624S.M) for Toluene-d8 this compound is passing on Linear Regression.

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.

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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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Jan 07, 2025

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

00CASE NARRATIVE

Kleinfelder
Project Name: Comegys School
Project # N/A
Chemtech Project # P5382
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
15 Solid samples were received on 12/23/2024.

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 df The analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PB165845BL [Nitrobenzene-d5 - 116%], PB165845BS [Nitrobenzene-d5 - 122%], marginally high therefore no further corrective action was taken.

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 for {PB165845BS} with File ID: BF140992.D met requirements for all samples except for Anthracene[106%], Benzo(a)pyrene[112%], Indeno(1,2,3-cd)pyrene [106%], The associate samples have no positive hit for these compounds therefore no corrective action was taken, and Phenanthrene[106%], marginally high but associate Continuous Calibration in passing therefore no corrective action was taken.

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

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The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
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 <15% 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 > 15% 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.

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By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Jan 07, 2025

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CASE NARRATIVE

Kleinfelder
Project Name: Comegys School
Project # N/A
Chemtech Project # P5382
Test Name: PESTICIDE Group1

A. Number of Samples and Date of Receipt:
15 Solid samples were received on 12/23/2024.

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-MR1 which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 7HMG017- 11.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.

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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_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Jan 07, 2025

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CASE NARRATIVE

Kleinfelder
Project Name: Comegys School
Project # N/A
Chemtech Project # P5382
Test Name: PCB Group1

A. Number of Samples and Date of Receipt:
15 Solid samples were received on 12/23/2024.

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

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

D. QA/ QC Samples:

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

E. Additional Comments:

The soil samples results are based on a dry weight basis.

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

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Signature_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Jan 07, 2025

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CASE NARRATIVE

Kleinfelder
Project Name: Comegys School
Project # N/A
Chemtech Project # P5382
Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:
15 Solid samples were received on 12/23/2024.

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 (WC-SOIL-20241219MS) analysis met criteria for all samples except for Antimony, Barium, Boron, Selenium, Silver and Vanadium due to Chemical Interference during Digestion process.

The Matrix Spike Duplicate (WC-SOIL-20241219MSD) analysis met criteria for all samples except for Antimony, Boron, Selenium, Silver and Vanadium 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:

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Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:51 am, Jan 07, 2025

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CASE NARRATIVE

Kleinfelder
Project Name: Comegys School
Project # N/A
Chemtech Project # P5382
Test Name: Hexavalent Chromium,Ammonia,Trivalent Chromium,Anions Group1

A. Number of Samples and Date of Receipt:
15 Solid samples were received on 12/23/2024.

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 analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 10:52 am, Jan 07, 2025

DATA REPORTING QUALIFIERS- INORGANIC

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

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

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5382

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

QA Review Signature: SOHIL JODHANI **Date:** 01/04/2025

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

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5382-01	**COMP-1**	**SOIL**			**12/20/24**			**12/23/24**
			VOCMS Group1	8260D			12/26/24	
P5382-02	**COMP-2**	**SOIL**			**12/20/24**			**12/23/24**
			VOCMS Group1	8260D			12/27/24	
P5382-03	**COMP-3**	**SOIL**			**12/20/24**			**12/23/24**
			VOCMS Group1	8260D			12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5382

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-1	SDG No.:	P5382
Lab Sample ID:	P5382-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.8
Sample Wt/Vol:	5.39 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
VY020727.D	1		12/26/24 19:12	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	5.60	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.60	ug/Kg
79-01-6	Trichloroethene	0.84	U	0.84	5.60	ug/Kg
108-88-3	Toluene	0.75	U	0.75	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.69	U	0.69	5.60	ug/Kg
1330-20-7	Total Xylenes	2.28	U	2.28	16.8	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.6		50 - 163	131%	SPK: 50
1868-53-7	Dibromofluoromethane	58.3		54 - 147	117%	SPK: 50
2037-26-5	Toluene-d8	53.0		58 - 134	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		29 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97100	7.713			
540-36-3	1,4-Difluorobenzene	158000	8.615			
3114-55-4	Chlorobenzene-d5	138000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	58200	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-2	SDG No.:	P5382
Lab Sample ID:	P5382-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.5
Sample Wt/Vol:	5.37 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
VY020734.D	1		12/27/24 12:55	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	5.60	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.60	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.60	ug/Kg
108-88-3	Toluene	0.76	U	0.76	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.70	U	0.70	5.60	ug/Kg
1330-20-7	Total Xylenes	2.29	U	2.29	16.9	ug/Kg
98-82-8	Isopropylbenzene	0.76	U	0.76	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.4		50 - 163	125%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	52.9		58 - 134	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		29 - 146	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	91300	7.713			
540-36-3	1,4-Difluorobenzene	150000	8.622			
3114-55-4	Chlorobenzene-d5	126000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	45100	13.353			

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3	SDG No.:	P5382
Lab Sample ID:	P5382-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.8
Sample Wt/Vol:	5.69 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
VY020735.D	1		12/27/24 13:18	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.83	U	0.83	5.30	ug/Kg
71-43-2	Benzene	0.76	U	0.76	5.30	ug/Kg
79-01-6	Trichloroethene	0.80	U	0.80	5.30	ug/Kg
108-88-3	Toluene	0.71	U	0.71	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.66	U	0.66	5.30	ug/Kg
1330-20-7	Total Xylenes	2.14	U	2.14	15.9	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.4		50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		54 - 147	115%	SPK: 50
2037-26-5	Toluene-d8	52.6		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		29 - 146	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	7.713			
540-36-3	1,4-Difluorobenzene	174000	8.616			
3114-55-4	Chlorobenzene-d5	146000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	55900	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

QC SUMMARY

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Surrogate Summary

SDG No.: P5382

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5382-01	COMP-1	1,2-Dichloroethane-d4	50	65.6	131	50	163
		Dibromofluoromethane	50	58.3	117	54	147
		Toluene-d8	50	53.0	106	58	134
		4-Bromofluorobenzene	50	50.7	101	29	146
P5382-02	COMP-2	1,2-Dichloroethane-d4	50	62.4	125	50	163
		Dibromofluoromethane	50	56.8	114	54	147
		Toluene-d8	50	53.0	106	58	134
		4-Bromofluorobenzene	50	44.5	89	29	146
P5382-03	COMP-3	1,2-Dichloroethane-d4	50	61.4	123	50	163
		Dibromofluoromethane	50	57.3	115	54	147
		Toluene-d8	50	52.6	105	58	134
		4-Bromofluorobenzene	50	47.0	94	29	146
VY1226SBL01	VY1226SBL01	1,2-Dichloroethane-d4	50	64.7	129	50	163
		Dibromofluoromethane	50	57.6	115	54	147
		Toluene-d8	50	52.6	105	58	134
		4-Bromofluorobenzene	50	51.0	102	29	146
VY1226SBS01	VY1226SBS01	1,2-Dichloroethane-d4	50	55.0	110	50	163
		Dibromofluoromethane	50	52.1	104	54	147
		Toluene-d8	50	50.6	101	58	134
		4-Bromofluorobenzene	50	51.8	104	29	146
VY1227SBL01	VY1227SBL01	1,2-Dichloroethane-d4	50	63.5	127	50	163
		Dibromofluoromethane	50	57.1	114	54	147
		Toluene-d8	50	53.3	107	58	134
		4-Bromofluorobenzene	50	48.3	97	29	146
VY1227SBS01	VY1227SBS01	1,2-Dichloroethane-d4	50	54.8	110	50	163
		Dibromofluoromethane	50	54.3	109	54	147
		Toluene-d8	50	52.6	105	58	134
		4-Bromofluorobenzene	50	53.1	106	29	146
VY1227SBSD01	VY1227SBSD01	1,2-Dichloroethane-d4	50	55.9	112	50	163
		Dibromofluoromethane	50	53.6	107	54	147
		Toluene-d8	50	52.8	105	58	134
		4-Bromofluorobenzene	50	53.2	106	29	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020715.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1226SBS01	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97			82	123	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			80	126	
	Benzene	20	20.0	ug/Kg	100			84	121	
	Trichloroethene	20	19.4	ug/Kg	97			83	122	
	Toluene	20	20.3	ug/Kg	102			83	122	
	Ethyl Benzene	20	20.2	ug/Kg	101			82	124	
	m/p-Xylenes	40	41.6	ug/Kg	104			83	124	
	o-Xylene	20	20.7	ug/Kg	104			83	123	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020732.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1227SBS01	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102			82	123	
	1,1,1-Trichloroethane	20	19.3	ug/Kg	97			80	126	
	Benzene	20	20.7	ug/Kg	104			84	121	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	Toluene	20	20.4	ug/Kg	102			83	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.9	ug/Kg	105			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Isopropylbenzene	20	20.2	ug/Kg	101			82	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY020733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1227SBSD01	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	5		82	123	20
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104	7		80	126	20
	Benzene	20	21.2	ug/Kg	106	2		84	121	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	Toluene	20	21.1	ug/Kg	106	4		83	122	20
	Ethyl Benzene	20	21.1	ug/Kg	106	2		82	124	20
	m/p-Xylenes	40	42.4	ug/Kg	106	1		83	124	20
	o-Xylene	20	21.0	ug/Kg	105	2		83	123	20
	Isopropylbenzene	20	21.2	ug/Kg	106	5		82	124	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1226SBL01

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020714.D Lab Sample ID: VY1226SBL01

Date Analyzed: 12/26/2024 Time Analyzed: 13:56

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
VY1226SBS01	VY1226SBS01	VY020715.D	12/26/2024
COMP-1	P5382-01	VY020727.D	12/26/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1227SBL01

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020731.D Lab Sample ID: VY1227SBL01

Date Analyzed: 12/27/2024 Time Analyzed: 11:24

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
VY1227SBS01	VY1227SBS01	VY020732.D	12/27/2024
VY1227SBSD01	VY1227SBSD01	VY020733.D	12/27/2024
COMP-2	P5382-02	VY020734.D	12/27/2024
COMP-3	P5382-03	VY020735.D	12/27/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020705.D BFB Injection Date: 12/26/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:29

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	17.9
75	30.0 - 60.0% of mass 95	56.5
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	88.9
175	5.0 - 9.0% of mass 174	4.7 (5.3) 1
176	95.0 - 101.0% of mass 174	85.2 (95.8) 1
177	5.0 - 9.0% of mass 176	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
VSTDICC005	VSTDICC005	VY020706.D	12/26/2024	09:31
VSTDICC010	VSTDICC010	VY020707.D	12/26/2024	09:53
VSTDICC020	VSTDICC020	VY020708.D	12/26/2024	10:16
VSTDICCC050	VSTDICCC050	VY020709.D	12/26/2024	10:39
VSTDICC150	VSTDICC150	VY020710.D	12/26/2024	11:01
VSTDICC100	VSTDICC100	VY020711.D	12/26/2024	11:51
VY1226SBL01	VY1226SBL01	VY020714.D	12/26/2024	13:56
VY1226SBS01	VY1226SBS01	VY020715.D	12/26/2024	14:32
COMP-1	P5382-01	VY020727.D	12/26/2024	19:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020729.D BFB Injection Date: 12/27/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:05

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	16.1
75	30.0 - 60.0% of mass 95	54.4
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	93.8
175	5.0 - 9.0% of mass 174	8 (8.5) 1
176	95.0 - 101.0% of mass 174	90.5 (96.5) 1
177	5.0 - 9.0% of mass 176	6.1 (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	VY020730.D	12/27/2024	10:20
VY1227SBL01	VY1227SBL01	VY020731.D	12/27/2024	11:24
VY1227SBS01	VY1227SBS01	VY020732.D	12/27/2024	12:03
VY1227SBSD01	VY1227SBSD01	VY020733.D	12/27/2024	12:26
COMP-2	P5382-02	VY020734.D	12/27/2024	12:55
COMP-3	P5382-03	VY020735.D	12/27/2024	13:18

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020709.D Date Analyzed: 12/26/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:39

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	95919	7.72	134605	8.62	116249	11.42
UPPER LIMIT	191838	8.22	269210	9.122	232498	11.92
LOWER LIMIT	47959.5	7.22	67302.5	8.122	58124.5	10.92
EPA SAMPLE NO.						
COMP-1	97104	7.71	158398	8.62	137952	11.42
VY1226SBL01	99549	7.72	157271	8.62	133794	11.42
VY1226SBS01	120044	7.72	165739	8.62	139363	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020709.D Date Analyzed: 12/26/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:39

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

	IS4 AREA #	RT #				
12 HOUR STD	60351	13.353				
UPPER LIMIT	120702	13.853				
LOWER LIMIT	30175.5	12.853				
EPA SAMPLE NO.						
COMP-1	58207	13.35				
VY1226SBL01	56315	13.35				
VY1226SBS01	74040	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020730.D Date Analyzed: 12/27/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:20

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	133845	7.72	187374	8.63	158006	11.43
UPPER LIMIT	267690	8.219	374748	9.128	316012	11.926
LOWER LIMIT	66922.5	7.219	93687	8.128	79003	10.926
EPA SAMPLE NO.						
COMP-2	91285	7.71	150432	8.62	125625	11.42
COMP-3	107608	7.71	174360	8.62	145577	11.42
VY1227SBL01	112620	7.72	180909	8.62	153112	11.42
VY1227SBS01	136570	7.72	194898	8.62	164208	11.43
VY1227SBSD01	129413	7.72	186352	8.62	158160	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: VY020730.D Date Analyzed: 12/27/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:20

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

	IS4 AREA #	RT #				
12 HOUR STD	79722	13.358				
UPPER LIMIT	159444	13.858				
LOWER LIMIT	39861	12.858				
EPA SAMPLE NO.						
COMP-2	45053	13.35				
COMP-3	55916	13.35				
VY1227SBL01	62475	13.35				
VY1227SBS01	85032	13.36				
VY1227SBSD01	79149	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	VY1226SBL01	SDG No.:	P5382
Lab Sample ID:	VY1226SBL01	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
VY020714.D	1		12/26/24 13:56	VY122624

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	64.7		50 - 163	129%	SPK: 50
1868-53-7	Dibromofluoromethane	57.6		54 - 147	115%	SPK: 50
2037-26-5	Toluene-d8	52.6		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		29 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	99500	7.719			
540-36-3	1,4-Difluorobenzene	157000	8.622			
3114-55-4	Chlorobenzene-d5	134000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	56300	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	VY1227SBL01	SDG No.:	P5382
Lab Sample ID:	VY1227SBL01	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
VY020731.D	1		12/27/24 11:24	VY122724

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	63.5		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	57.1		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	53.3		58 - 134	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		29 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	7.719			
540-36-3	1,4-Difluorobenzene	181000	8.622			
3114-55-4	Chlorobenzene-d5	153000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	62500	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	VY1226SBS01	SDG No.:	P5382
Lab Sample ID:	VY1226SBS01	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
VY020715.D	1		12/26/24 14:32	VY122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	19.3		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.78	5.00	ug/Kg
71-43-2	Benzene	20.0		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
108-88-3	Toluene	20.3		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	62.3		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		54 - 147	104%	SPK: 50
2037-26-5	Toluene-d8	50.6		58 - 134	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		29 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	120000	7.72			
540-36-3	1,4-Difluorobenzene	166000	8.622			
3114-55-4	Chlorobenzene-d5	139000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	74000	13.353			

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	VY1227SBS01	SDG No.:	P5382
Lab Sample ID:	VY1227SBS01	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
VY020732.D	1		12/27/24 12:03	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.4		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.3		0.78	5.00	ug/Kg
71-43-2	Benzene	20.7		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.75	5.00	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	62.5		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.8		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		54 - 147	109%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		29 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	137000	7.719			
540-36-3	1,4-Difluorobenzene	195000	8.622			
3114-55-4	Chlorobenzene-d5	164000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	85000	13.359			

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	VY1227SBSD01	SDG No.:	P5382
Lab Sample ID:	VY1227SBSD01	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
VY020733.D	1		12/27/24 12:26	VY122724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	21.4		0.61	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.78	5.00	ug/Kg
71-43-2	Benzene	21.2		0.72	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.75	5.00	ug/Kg
108-88-3	Toluene	21.1		0.67	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
1330-20-7	Total Xylenes	63.4		2.10	15.0	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		50 - 163	112%	SPK: 50
1868-53-7	Dibromofluoromethane	53.6		54 - 147	107%	SPK: 50
2037-26-5	Toluene-d8	52.7		58 - 134	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		29 - 146	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	129000	7.72			
540-36-3	1,4-Difluorobenzene	186000	8.622			
3114-55-4	Chlorobenzene-d5	158000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	79100	13.353			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG No.: P5382

Instrument ID: MSVOA_Y Calibration Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Calibration Time(s): 09:31 11:51

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

LAB FILE ID: RRF005 = VY020706.D RRF010 = VY020707.D RRF020 = VY020708.D
RRF050 = VY020709.D RRF150 = VY020710.D RRF100 = VY020711.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
cis-1,2-Dichloroethene	0.419	0.460	0.426	0.462	0.432	0.447	0.441	4.1
1,1,1-Trichloroethane	0.814	0.897	0.826	0.859	0.816	0.831	0.840	3.8
Benzene	0.969	1.104	1.040	1.089	1.041	1.083	1.054	4.7
Trichloroethene	0.288	0.336	0.315	0.324	0.309	0.317	0.315	5.1
Toluene	0.654	0.751	0.722	0.745	0.723	0.741	0.723	4.9
Ethyl Benzene	1.540	1.810	1.715	1.778	1.682	1.743	1.711	5.6
m/p-Xylenes	0.590	0.691	0.649	0.675	0.643	0.667	0.653	5.4
o-Xylene	0.552	0.666	0.639	0.650	0.603	0.632	0.624	6.6
Isopropylbenzene	3.123	3.801	3.508	3.476	3.402	3.474	3.464	6.3
1,2-Dichloroethane-d4	0.335	0.402	0.313	0.516	0.433	0.457	0.410	18.7
Dibromofluoromethane	0.235	0.274	0.232	0.319	0.284	0.307	0.275	13.1
Toluene-d8	0.733	0.883	0.733	1.227	1.093	1.158	0.971	22.4
4-Bromofluorobenzene	0.303	0.378	0.319	0.426	0.373	0.397	0.366	12.8

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG No.: P5382

Instrument ID: MSVOA_Y Calibration Date/Time: 12/27/2024 10:20

Lab File ID: VY020730.D Init. Calib. Date(s): 12/26/2024 12/26/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:31 11:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.441	0.454		2.95	20
1,1,1-Trichloroethane	0.840	0.807		-3.93	20
Benzene	1.054	1.087		3.13	20
Trichloroethene	0.315	0.315		0	20
Toluene	0.723	0.739		2.21	20
Ethyl Benzene	1.711	1.764		3.04	20
m/p-Xylenes	0.653	0.667		2.14	20
o-Xylene	0.624	0.636		1.92	20
Isopropylbenzene	3.464	3.535		2.05	20
1,2-Dichloroethane-d4	0.410	0.430		4.88	20
Dibromofluoromethane	0.275	0.292		6.18	20
Toluene-d8	0.971	1.153		18.74	20
4-Bromofluorobenzene	0.366	0.385		5.19	20

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

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5382-01	**COMP-1**	**SOIL**			**12/20/24**			**12/23/24**
			SVOCMS Group1	8270E		12/26/24	12/27/24	
P5382-02	**COMP-2**	**SOIL**			**12/20/24**			**12/23/24**
			SVOCMS Group1	8270E		12/26/24	12/27/24	
P5382-03	**COMP-3**	**SOIL**			**12/20/24**			**12/23/24**
			SVOCMS Group1	8270E		12/26/24	12/27/24	

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Hit Summary Sheet
SW-846

SDG No.: P5382

Client: Kleinfelder

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P5382-01	COMP-1	SOIL	Phenanthrene	270.000	Q	100	200	ug/Kg
P5382-01	COMP-1	SOIL	Pyrene	270.000		100	200	ug/Kg
P5382-01	COMP-1	SOIL	Benzo(a)anthracene	190.000	J	97.3	200	ug/Kg
P5382-01	COMP-1	SOIL	Chrysene	140.000	J	95.8	200	ug/Kg
P5382-01	COMP-1	SOIL	Benzo(b)fluoranthene	170.000	J	97.8	200	ug/Kg
P5382-01	COMP-1	SOIL	Benzo(a)pyrene	180.000	JQ	110	200	ug/Kg
			Total Svoc :	**1,220.00**				
			Total Concentration:	**1,220.00**				
Client ID : COMP-2								
P5382-02	COMP-2	SOIL	Phenanthrene	140.000	JQ	100	210	ug/Kg
P5382-02	COMP-2	SOIL	Pyrene	170.000	J	100	210	ug/Kg
P5382-02	COMP-2	SOIL	Benzo(a)anthracene	120.000	J	97.5	210	ug/Kg
P5382-02	COMP-2	SOIL	Chrysene	100.000	J	96.1	210	ug/Kg
P5382-02	COMP-2	SOIL	Benzo(b)fluoranthene	130.000	J	98	210	ug/Kg
			Total Svoc :	**660.00**				
			Total Concentration:	**660.00**				

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-1			SDG No.:	P5382
Lab Sample ID:	P5382-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.8
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
BF141004.D	1	12/26/24 09:10	12/27/24 18:39	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	99.6	U	99.6	200	ug/Kg
86-73-7	Fluorene	100	U	100	200	ug/Kg
85-01-8	Phenanthrene	270	Q	100	200	ug/Kg
120-12-7	Anthracene	100	UQ	100	200	ug/Kg
129-00-0	Pyrene	270		100	200	ug/Kg
56-55-3	Benzo(a)anthracene	190	J	97.3	200	ug/Kg
218-01-9	Chrysene	140	J	95.8	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	97.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	180	JQ	110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.1	UQ	94.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.5	U	96.5	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	95.9		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.2		20 - 109	78%	SPK: 100
1718-51-0	Terphenyl-d14	80.7		10 - 105	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	246000	6.822			
1146-65-2	Naphthalene-d8	987000	8.104			
15067-26-2	Acenaphthene-d10	533000	9.857			
1517-22-2	Phenanthrene-d10	883000	11.339			
1719-03-5	Chrysene-d12	539000	13.974			
1520-96-3	Perylene-d12	547000	15.433			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-1			SDG No.:	P5382
Lab Sample ID:	P5382-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.8
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
BF141004.D	1	12/26/24 09:10	12/27/24 18:39	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-2			SDG No.:	P5382
Lab Sample ID:	P5382-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.5
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141007.D	1	12/26/24 09:10	12/27/24 19:58	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	99.8	U	99.8	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	140	JQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	170	J	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	97.5	210	ug/Kg
218-01-9	Chrysene	100	J	96.1	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	J	98.0	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.4	UQ	94.4	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.8	U	96.8	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	83.3		18 - 107	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.9		20 - 109	69%	SPK: 100
1718-51-0	Terphenyl-d14	63.3		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	6.822			
1146-65-2	Naphthalene-d8	997000	8.104			
15067-26-2	Acenaphthene-d10	527000	9.857			
1517-22-2	Phenanthrene-d10	805000	11.339			
1719-03-5	Chrysene-d12	503000	13.974			
1520-96-3	Perylene-d12	506000	15.433			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-2			SDG No.:	P5382
Lab Sample ID:	P5382-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.5
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141007.D	1	12/26/24 09:10	12/27/24 19:58	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-3			SDG No.:	P5382
Lab Sample ID:	P5382-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.8
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
BF141008.D	1	12/26/24 09:10	12/27/24 20:24	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	99.6	U	99.6	210	ug/Kg
86-73-7	Fluorene	100	U	100	210	ug/Kg
85-01-8	Phenanthrene	100	UQ	100	210	ug/Kg
120-12-7	Anthracene	100	UQ	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
56-55-3	Benzo(a)anthracene	97.3	U	97.3	210	ug/Kg
218-01-9	Chrysene	95.9	U	95.9	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.8	U	97.8	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	UQ	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	94.2	UQ	94.2	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.6	U	96.6	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	77.2		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	67.7		20 - 109	68%	SPK: 100
1718-51-0	Terphenyl-d14	55.3		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	261000	6.822			
1146-65-2	Naphthalene-d8	1030000	8.104			
15067-26-2	Acenaphthene-d10	517000	9.857			
1517-22-2	Phenanthrene-d10	712000	11.339			
1719-03-5	Chrysene-d12	541000	13.974			
1520-96-3	Perylene-d12	441000	15.427			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-3			SDG No.:	P5382
Lab Sample ID:	P5382-03			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.8
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
BF141008.D	1	12/26/24 09:10	12/27/24 20:24	PB165845

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

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Surrogate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5382-01	COMP-1	Nitrobenzene-d5	100	95.9	96		18	107
		2-Fluorobiphenyl	100	78.2	78		20	109
		Terphenyl-d14	100	80.7	81		10	105
P5382-01MS	COMP-1MS	Nitrobenzene-d5	100	73.1	73		18	107
		2-Fluorobiphenyl	100	61.9	62		20	109
		Terphenyl-d14	100	62.7	63		10	105
P5382-01MSD	COMP-1MSD	Nitrobenzene-d5	100	84.1	84		18	107
		2-Fluorobiphenyl	100	70.6	71		20	109
		Terphenyl-d14	100	70.2	70		10	105
P5382-02	COMP-2	Nitrobenzene-d5	100	83.3	83		18	107
		2-Fluorobiphenyl	100	68.9	69		20	109
		Terphenyl-d14	100	63.3	63		10	105
P5382-03	COMP-3	Nitrobenzene-d5	100	77.2	77		18	107
		2-Fluorobiphenyl	100	67.7	68		20	109
		Terphenyl-d14	100	55.3	55		10	105
PB165845BL	PB165845BL	Nitrobenzene-d5	100	116	116	*	18	107
		2-Fluorobiphenyl	100	94.9	95		20	109
		Terphenyl-d14	100	90.3	90		10	105
PB165845BS	PB165845BS	Nitrobenzene-d5	100	122	122	*	18	107
		2-Fluorobiphenyl	100	101	101		20	109
		Terphenyl-d14	100	101	101		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5382-01MS		**Client Sample ID: COMP-1MS**						**DataFile: BF141005.D**			
Naphthalene	2000	0	1700	ug/Kg	85				72	110	
Fluorene	2000	0	1700	ug/Kg	85				68	116	
Phenanthrene	2000	270	2000	ug/Kg	87				52	128	
Anthracene	2000	0	2000	ug/Kg	100				62	124	
Pyrene	2000	270	1800	ug/Kg	77				26	142	
Benzo(a)anthracene	2000	190	1800	ug/Kg	81				71	114	
Chrysene	2000	140	1900	ug/Kg	88				57	121	
Benzo(b)fluoranthene	2000	170	1800	ug/Kg	82				67	121	
Benzo(a)pyrene	2000	180	2000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	2000	0	1600	ug/Kg	80				40	129	
Benzo(g,h,i)perylene	2000	0	1400	ug/Kg	70				24	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5382-01MSD		**Client Sample ID: COMP-1MSD**						**DataFile: BF141006.D**			
Naphthalene	2000	0	1900	ug/Kg	95		11		72	110	20
Fluorene	2000	0	1900	ug/Kg	95		11		68	116	20
Phenanthrene	2000	270	2300	ug/Kg	102		16		52	128	20
Anthracene	2000	0	2200	ug/Kg	110		10		62	124	20
Pyrene	2000	270	2100	ug/Kg	92		18		26	142	20
Benzo(a)anthracene	2000	190	2100	ug/Kg	96		17		71	114	20
Chrysene	2000	140	2200	ug/Kg	103		16		57	121	20
Benzo(b)fluoranthene	2000	170	2100	ug/Kg	97		17		67	121	20
Benzo(a)pyrene	2000	180	2300	ug/Kg	106		15		70	142	20
Indeno(1,2,3-cd)pyrene	2000	0	1800	ug/Kg	90		12		40	129	20
Benzo(g,h,i)perylene	2000	0	1600	ug/Kg	80		13		24	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8270E **DataFile:** BF140992.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165845BS	Naphthalene	1700	1600	ug/Kg	94				62	100	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	Phenanthrene	1700	1800	ug/Kg	106		*		59	103	
	Anthracene	1700	1800	ug/Kg	106		*		61	105	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165845BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab File ID: BF140991.D Lab Sample ID: PB165845BL

Instrument ID: BNA_F Date Extracted: 12/26/2024

Matrix: (soil/water) SOIL Date Analyzed: 12/27/2024

Level: (low/med) LOW Time Analyzed: 12:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
COMP-1MSD	P5382-01MSD	BF141006.D	12/27/2024
COMP-2	P5382-02	BF141007.D	12/27/2024
COMP-3	P5382-03	BF141008.D	12/27/2024
PB165845BS	PB165845BS	BF140992.D	12/27/2024
COMP-1	P5382-01	BF141004.D	12/27/2024
COMP-1MS	P5382-01MS	BF141005.D	12/27/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P5382 SDG NO.: P5382

Lab File ID: BF140969.D DFTPP Injection Date: 12/26/2024

Instrument ID: BNA_F DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
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	6.6
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	90.5
443	15.0 - 24.0% of mass 442	17.8 (19.7) 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
SSTDICC2.5	SSTDICC2.5	BF140970.D	12/26/2024	16:23
SSTDICC005	SSTDICC005	BF140971.D	12/26/2024	16:49
SSTDICC010	SSTDICC010	BF140972.D	12/26/2024	17:15
SSTDICC020	SSTDICC020	BF140973.D	12/26/2024	17:41
SSTDICCC040	SSTDICCC040	BF140974.D	12/26/2024	18:06
SSTDICC050	SSTDICC050	BF140975.D	12/26/2024	18:33
SSTDICC060	SSTDICC060	BF140976.D	12/26/2024	18:59
SSTDICC080	SSTDICC080	BF140977.D	12/26/2024	19:25

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P5382 SDG NO.: P5382

Lab File ID: BF140980.D DFTPP Injection Date: 12/27/2024

Instrument ID: BNA_F DFTPP Injection Time: 07:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.9
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.8
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	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	94.4
443	15.0 - 24.0% of mass 442	18.3 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140981.D	12/27/2024	08:19
PB165845BL	PB165845BL	BF140991.D	12/27/2024	12:41
PB165845BS	PB165845BS	BF140992.D	12/27/2024	13:07

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM SAS No.: P5382 SDG NO.: P5382

Lab File ID: BF140993.D DFTPP Injection Date: 12/27/2024

Instrument ID: BNA_F DFTPP Injection Time: 13:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.1
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	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.7
443	15.0 - 24.0% of mass 442	16.2 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF140994.D	12/27/2024	13:59
COMP-1	P5382-01	BF141004.D	12/27/2024	18:39
COMP-1MS	P5382-01MS	BF141005.D	12/27/2024	19:05
COMP-1MSD	P5382-01MSD	BF141006.D	12/27/2024	19:32
COMP-2	P5382-02	BF141007.D	12/27/2024	19:58
COMP-3	P5382-03	BF141008.D	12/27/2024	20:24

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140981.D Time Analyzed: 08:19

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	281239	6.828	1080100	8.11	567563	9.86
	UPPER LIMIT	562478	7.328	2160200	8.61	1135130	10.363
	LOWER LIMIT	140620	6.328	540050	7.61	283782	9.363
	EPA SAMPLE NO.						
01	PB165845BL	256406	6.83	1039760	8.10	551936	9.86
02	PB165845BS	237476	6.83	956660	8.11	508461	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140981.D Time Analyzed: 08:19

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	1005110	11.345	657302	13.986	544134	15.439
	UPPER LIMIT	2010220	11.845	1314600	14.486	1088270	15.939
	LOWER LIMIT	502555	10.845	328651	13.486	272067	14.939
	EPA SAMPLE NO.						
01	PB165845BL	932287	11.35	692897	13.98	548204	15.44
02	PB165845BS	852780	11.35	597621	13.99	491502	15.44

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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	288140	6.828	1113820	8.11	585823	9.86
	UPPER LIMIT	576280	7.328	2227640	8.61	1171650	10.363
	LOWER LIMIT	144070	6.328	556910	7.61	292912	9.363
	EPA SAMPLE NO.						
01	COMP-3	261409	6.82	1032360	8.10	517375	9.86
02	COMP-1	245562	6.82	986783	8.10	533453	9.86
03	COMP-1MS	274904	6.83	1107160	8.11	588572	9.86
04	COMP-1MSD	242878	6.82	970690	8.11	512580	9.86
05	COMP-2	251588	6.82	996554	8.10	526548	9.86

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

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

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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	1000380	11.345	654182	13.986	576625	15.433
	UPPER LIMIT	2000760	11.845	1308360	14.486	1153250	15.933
	LOWER LIMIT	500190	10.845	327091	13.486	288313	14.933
	EPA SAMPLE NO.						
01	COMP-3	711998	11.34	540701	13.97	441127	15.43
02	COMP-1	882749	11.34	539303	13.97	547496	15.43
03	COMP-1MS	918746	11.35	544083	13.98	580377	15.43
04	COMP-1MSD	801566	11.35	483090	13.98	500993	15.43
05	COMP-2	804705	11.34	502976	13.97	505972	15.43

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

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

Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Comegys School			Date Received:	
Client Sample ID:	PB165845BL			SDG No.:	P5382
Lab Sample ID:	PB165845BL			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
BF140991.D	1	12/26/24 09:10	12/27/24 12:41	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	82.6	U	82.6	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	170	ug/Kg
85-01-8	Phenanthrene	84.0	U	84.0	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	170	ug/Kg
129-00-0	Pyrene	83.0	U	83.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	170	ug/Kg
50-32-8	Benzo(a)pyrene	93.0	U	93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	116	*	18 - 107	116%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.9		20 - 109	95%	SPK: 100
1718-51-0	Terphenyl-d14	90.3		10 - 105	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	256000	6.828			
1146-65-2	Naphthalene-d8	1040000	8.104			
15067-26-2	Acenaphthene-d10	552000	9.857			
1517-22-2	Phenanthrene-d10	932000	11.345			
1719-03-5	Chrysene-d12	693000	13.98			
1520-96-3	Perylene-d12	548000	15.439			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Comegys School			Date Received:	
Client Sample ID:	PB165845BL			SDG No.:	P5382
Lab Sample ID:	PB165845BL			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
BF140991.D	1	12/26/24 09:10	12/27/24 12:41	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Comegys School			Date Received:	
Client Sample ID:	PB165845BS			SDG No.:	P5382
Lab Sample ID:	PB165845BS			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
BF140992.D	1	12/26/24 09:10	12/27/24 13:07	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1600		82.5	170	ug/Kg
86-73-7	Fluorene	1600		85.4	170	ug/Kg
85-01-8	Phenanthrene	1800		83.9	170	ug/Kg
120-12-7	Anthracene	1800		84.3	170	ug/Kg
129-00-0	Pyrene	1600		82.9	170	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	170	ug/Kg
218-01-9	Chrysene	1700		79.4	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.0	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.0	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.0	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	122	*	18 - 107	122%	SPK: 100
321-60-8	2-Fluorobiphenyl	101		20 - 109	101%	SPK: 100
1718-51-0	Terphenyl-d14	101		10 - 105	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	237000	6.828			
1146-65-2	Naphthalene-d8	957000	8.11			
15067-26-2	Acenaphthene-d10	508000	9.863			
1517-22-2	Phenanthrene-d10	853000	11.345			
1719-03-5	Chrysene-d12	598000	13.986			
1520-96-3	Perylene-d12	492000	15.439			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	
Project:	Comegys School			Date Received:	
Client Sample ID:	PB165845BS			SDG No.:	P5382
Lab Sample ID:	PB165845BS			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
BF140992.D	1	12/26/24 09:10	12/27/24 13:07	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
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N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-1MS	SDG No.:	P5382
Lab Sample ID:	P5382-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.8
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
BF141005.D	1	12/26/24 09:10	12/27/24 19:05	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1700		99.7	210	ug/Kg
86-73-7	Fluorene	1700		100	210	ug/Kg
85-01-8	Phenanthrene	2000		100	210	ug/Kg
120-12-7	Anthracene	2000		100	210	ug/Kg
129-00-0	Pyrene	1800		100	210	ug/Kg
56-55-3	Benzo(a)anthracene	1800		97.4	210	ug/Kg
218-01-9	Chrysene	1900		96.0	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		97.9	210	ug/Kg
50-32-8	Benzo(a)pyrene	2000		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		94.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		96.7	210	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	73.1		18 - 107	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	61.9		20 - 109	62%	SPK: 100
1718-51-0	Terphenyl-d14	62.7		10 - 105	63%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	275000	6.828			
1146-65-2	Naphthalene-d8	1110000	8.11			
15067-26-2	Acenaphthene-d10	589000	9.857			
1517-22-2	Phenanthrene-d10	919000	11.345			
1719-03-5	Chrysene-d12	544000	13.98			
1520-96-3	Perylene-d12	580000	15.433			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-1MS			SDG No.:	P5382
Lab Sample ID:	P5382-01MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.8
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
BF141005.D	1	12/26/24 09:10	12/27/24 19:05	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-1MSD	SDG No.:	P5382
Lab Sample ID:	P5382-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	82.8
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
BF141006.D	1	12/26/24 09:10	12/27/24 19:32	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1900		99.6	200	ug/Kg
86-73-7	Fluorene	1900		100	200	ug/Kg
85-01-8	Phenanthrene	2300		100	200	ug/Kg
120-12-7	Anthracene	2200		100	200	ug/Kg
129-00-0	Pyrene	2100		100	200	ug/Kg
56-55-3	Benzo(a)anthracene	2100		97.3	200	ug/Kg
218-01-9	Chrysene	2200		95.9	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		97.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	2300		110	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		94.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		96.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	84.1		18 - 107	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.6		20 - 109	71%	SPK: 100
1718-51-0	Terphenyl-d14	70.2		10 - 105	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	243000	6.822			
1146-65-2	Naphthalene-d8	971000	8.11			
15067-26-2	Acenaphthene-d10	513000	9.857			
1517-22-2	Phenanthrene-d10	802000	11.345			
1719-03-5	Chrysene-d12	483000	13.98			
1520-96-3	Perylene-d12	501000	15.433			

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Report of Analysis

Client:	Kleinfelder			Date Collected:	12/20/24
Project:	Comegys School			Date Received:	12/23/24
Client Sample ID:	COMP-1MSD			SDG No.:	P5382
Lab Sample ID:	P5382-01MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	82.8
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
BF141006.D	1	12/26/24 09:10	12/27/24 19:32	PB165845

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Dec 27 00:31:16 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BF140970.D 5 =BF140971.D 10 =BF140972.D 20 =BF140973.D 40 =BF140974.D 50 =BF140975.D 60 =BF140976.D 80 =BF140977.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.588	0.559	0.601	4.26
3)		Pyridine		1.621	1.563	1.581	1.437	1.394	1.372	1.308	1.468	8.18
4)		n-Nitrosodimet...		0.755	0.738	0.778	0.745	0.742	0.742	0.707	0.744	2.86
5)	S	2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.233	1.155	1.327	9.39
6)		Aniline		1.709	1.702	1.732	1.615	1.480	1.306	1.126	1.524	15.28
7)	S	Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.613	1.500	1.709	8.60
8)		2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.319	1.227	1.399	8.21
9)		Benzaldehyde			1.193	1.089	0.861	0.792	0.768		0.941	20.16
10)	C	Phenol		1.956	1.880	1.866	1.744	1.683	1.694	1.549	1.767	7.97
11)		bis(2-Chloroet...		1.543	1.479	1.449	1.363	1.416	1.380	1.358	1.427	4.77
12)		1,3-Dichlorobe...		1.736	1.665	1.649	1.516	1.462	1.436	1.342	1.544	9.24
13)	C	1,4-Dichlorobe...		1.749	1.690	1.662	1.517	1.477	1.440	1.359	1.556	9.33
14)		1,2-Dichlorobe...		1.660	1.589	1.562	1.416	1.366	1.328	1.235	1.451	10.72
15)		Benzyl Alcohol		1.333	1.275	1.298	1.226	1.199	1.172	1.095	1.228	6.63
16)		2,2'-oxybis(1-...		2.420	2.317	2.313	2.112	2.048	2.016	1.882	2.158	9.04
17)		2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.109	1.066	1.162	5.83
18)		Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.537	0.508	0.553	5.30
19)	P	n-Nitroso-di-n...	1.133	1.140	1.127	1.079	1.008	0.988	0.983	0.918	1.047	8.01
20)		3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.354	1.235	1.471	10.61
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.575	0.535	0.521	0.470	0.459	0.454	0.421	0.491	11.02
23)	S	Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.349	0.333	0.313	12.18
24)		Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.379	0.358	0.349	9.54
25)		Isophorone		0.744	0.706	0.714	0.657	0.654	0.659	0.628	0.680	6.09
26)	C	2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.151	0.152	0.118	29.26
27)		2,4-Dimethylph...		0.268	0.255	0.260	0.241	0.241	0.244	0.230	0.249	5.21
28)		bis(2-Chloroet...		0.477	0.462	0.462	0.415	0.412	0.405	0.384	0.431	8.27
29)	C	2,4-Dichloroph...		0.286	0.289	0.295	0.278	0.281	0.281	0.264	0.282	3.41
30)		1,2,4-Trichlor...		0.354	0.335	0.337	0.312	0.304	0.306	0.286	0.319	7.39
31)		Naphthalene		1.209	1.154	1.142	1.020	0.989	0.971	0.892	1.054	10.96
32)		Benzoic acid			0.099	0.152	0.178	0.198	0.221	0.222	0.178	26.55
33)		4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.367	0.351	0.381	6.20
34)	C	Hexachlorobuta...		0.208	0.199	0.196	0.182	0.181	0.182	0.170	0.188	7.08
35)		Caprolactam		0.098	0.095	0.100	0.094	0.094	0.095	0.094	0.096	2.37
36)	C	4-Chloro-3-met...		0.330	0.320	0.327	0.309	0.304	0.309	0.293	0.313	4.24
37)		2-Methylnaphth...		0.772	0.740	0.732	0.642	0.629	0.623	0.581	0.674	10.77
38)		1-Methylnaphth...		0.767	0.722	0.710	0.635	0.618	0.615	0.571	0.663	10.71

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.602	0.586	0.586	0.535	0.527	0.526	0.491	0.550	7.46
41)	P	Hexachlorocycl...	0.165	0.176	0.189	0.187	0.189	0.190	0.180	0.182	5.03
42)	S	2,4,6-Tribromo...	0.177	0.189	0.203	0.196	0.198	0.199	0.199	0.194	4.59
43)	C	2,4,6-Trichlor...	0.354	0.356	0.398	0.364	0.356	0.381	0.354	0.366	4.59
44)		2,4,5-Trichlor...	0.371	0.389	0.377	0.380	0.386	0.365	0.355	0.375	3.15
45)	S	2-Fluorobiphenyl	1.546	1.452	1.378	1.175	1.129	1.102	1.006	1.255	16.12
46)		1,1'-Biphenyl	1.776	1.696	1.651	1.479	1.421	1.406	1.291	1.531	11.60
47)		2-Chloronaphth...	1.362	1.293	1.270	1.140	1.115	1.104	1.031	1.188	10.15
48)		2-Nitroaniline	0.139	0.182	0.248	0.288	0.306	0.329	0.325	0.259	28.48
49)		Acenaphthylene	1.934	1.869	1.824	1.654	1.619	1.590	1.477	1.710	9.80
50)		Dimethylphthalate	1.438	1.414	1.389	1.285	1.246	1.251	1.186	1.316	7.39
51)		2,6-Dinitrotol...	0.128	0.173	0.233	0.256	0.269	0.279	0.276	0.231	25.17
52)	C	Acenaphthene	1.289	1.240	1.229	1.119	1.096	1.091	1.027	1.156	8.36
53)		3-Nitroaniline	0.153	0.197	0.260	0.281	0.289	0.304	0.299	0.255	22.59
54)	P	2,4-Dinitrophenol		0.037	0.053	0.072	0.086	0.098	0.105	0.075	35.03
55)		Dibenzofuran	1.857	1.780	1.743	1.565	1.523	1.513	1.389	1.624	10.47
56)	P	4-Nitrophenol		0.166	0.213	0.229	0.237	0.253	0.251	0.225	14.45
57)		2,4-Dinitrotol...	0.136	0.187	0.265	0.310	0.326	0.347	0.340	0.273	30.14
58)		Fluorene	1.497	1.432	1.351	1.192	1.146	1.135	1.065	1.260	13.19
59)		2,3,4,6-Tetrac...	0.303	0.303	0.327	0.314	0.307	0.316	0.302	0.310	3.01
60)		Diethylphthalate	1.433	1.386	1.369	1.266	1.230	1.232	1.175	1.299	7.47
61)		4-Chlorophenyl...	0.700	0.673	0.653	0.579	0.560	0.557	0.521	0.606	11.29
62)		4-Nitroaniline	0.156	0.203	0.257	0.278	0.290	0.301	0.301	0.255	21.73
63)		Azobenzene	1.502	1.465	1.448	1.319	1.295	1.293	1.220	1.363	7.85
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.033	0.051	0.066	0.078	0.085	0.089	0.067	32.70
66)	c	n-Nitrosodiphe...	0.712	0.675	0.668	0.605	0.594	0.595	0.558	0.630	8.83
67)		4-Bromophenyl-...	0.235	0.229	0.228	0.213	0.212	0.199	0.197	0.216	7.03
68)		Hexachlorobenzene	0.261	0.247	0.249	0.232	0.231	0.229	0.220	0.238	5.96
69)		Atrazine	0.218	0.205	0.189	0.156	0.147	0.140		0.176	18.49
70)	C	Pentachlorophenol	0.122	0.137	0.154	0.155	0.156	0.161	0.154	0.148	9.37
71)		Phenanthrene	1.221	1.168	1.129	1.005	0.982	0.958	0.907	1.053	11.29
72)		Anthracene	1.187	1.136	1.113	0.991	0.963	0.945	0.884	1.031	11.01
73)		Carbazole	1.138	1.093	1.076	0.947	0.923	0.907	0.857	0.992	10.97
74)		Di-n-butylphth...	1.248	1.238	1.237	1.083	1.054	1.044	0.990	1.128	9.70
75)	C	Fluoranthene	1.333	1.274	1.242	1.091	1.050	1.035	0.966	1.142	12.26
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.422	0.333	0.437	0.415	0.438	0.512	0.402	0.423	12.62
78)		Pyrene	1.754	1.670	1.701	1.692	1.783	1.841	1.803	1.749	3.63
79)	S	Terphenyl-d14	1.275	1.181	1.188	1.141	1.194	1.240	1.209	1.204	3.59
80)		Butylbenzylpht...	0.532	0.571	0.640	0.656	0.684	0.710	0.679	0.639	10.11
81)		Benzo(a)anthra...	1.573	1.452	1.437	1.369	1.340	1.335	1.251	1.394	7.44
82)		3,3'-Dichlorob...	0.474	0.455	0.455	0.403	0.382	0.386	0.377	0.419	9.76
83)		Chrysene	1.341	1.330	1.327	1.208	1.194	1.207	1.190	1.257	5.68
84)		Bis(2-ethylhex...	0.822	0.842	0.859	0.820	0.827	0.837	0.793	0.828	2.49
85)	c	Di-n-octyl pht...	1.157	1.231	1.253	1.199	1.170	1.193	1.191	1.199	2.76

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF122624.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.050	1.009	1.224	1.311	1.397	1.438	1.391	1.260	13.71
88)		Benzo(b)fluora...	1.360	1.564	1.479	1.417	1.306	1.362	1.275	1.395	7.20
89)		Benzo(k)fluora...	1.165	1.121	1.301	1.065	1.073	1.016	0.911	1.093	11.17
90)	C	Benzo(a)pyrene	1.146	1.108	1.137	1.069	1.047	1.065	1.007	1.083	4.63
91)		Dibenzo(a,h)an...	0.847	0.829	0.992	1.070	1.127	1.165	1.120	1.021	13.38
92)		Benzo(g,h,i)pe...	0.825	0.811	1.023	1.126	1.194	1.243	1.194	1.059	16.91

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG No.: P5382

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 08:19

Lab File ID: BF140981.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.248		-6.0	
Phenol-d6	1.709	1.608		-5.9	
Nitrobenzene-d5	0.313	0.342		9.3	
Naphthalene	1.054	1.008		-4.4	
2-Fluorobiphenyl	1.255	1.200		-4.4	
Fluorene	1.260	1.205		-4.4	
2,4,6-Tribromophenol	0.194	0.203		4.6	
Phenanthrene	1.053	1.012		-3.9	
Anthracene	1.031	0.998		-3.2	
Pyrene	1.749	1.714		-2.0	
Terphenyl-d14	1.204	1.177		-2.2	
Benzo(a)anthracene	1.394	1.358		-2.6	
Chrysene	1.257	1.198		-4.7	
Benzo(b)fluoranthene	1.395	1.305		-6.5	
Benzo(a)pyrene	1.083	1.046		-3.4	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.328		5.4	
Benzo(g,h,i)perylene	1.059	1.145		8.1	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG No.: P5382

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.268		-4.4	
Phenol-d6	1.709	1.624		-5.0	
Nitrobenzene-d5	0.313	0.359		14.7	
Naphthalene	1.054	1.013		-3.9	
2-Fluorobiphenyl	1.255	1.178		-6.1	
Fluorene	1.260	1.191		-5.5	
2,4,6-Tribromophenol	0.194	0.205		5.7	
Phenanthrene	1.053	1.034		-1.8	
Anthracene	1.031	1.003		-2.7	
Pyrene	1.749	1.690		-3.4	
Terphenyl-d14	1.204	1.166		-3.2	
Benzo(a)anthracene	1.394	1.316		-5.6	
Chrysene	1.257	1.236		-1.7	
Benzo(b)fluoranthene	1.395	1.240		-11.1	
Benzo(a)pyrene	1.083	1.067		-1.5	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.291		2.5	
Benzo(g,h,i)perylene	1.059	1.058		-0.1	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5382-01	**COMP-1**	**SOIL**			**12/20/24**			**12/23/24**
			PCB Group1	8082A		12/26/24	12/26/24	
			PESTICIDE Group1	8081B		12/26/24	12/26/24	
P5382-02	**COMP-2**	**SOIL**			**12/20/24**			**12/23/24**
			PCB Group1	8082A		12/26/24	12/26/24	
			PESTICIDE Group1	8081B		12/26/24	12/26/24	
P5382-03	**COMP-3**	**SOIL**			**12/20/24**			**12/23/24**
			PCB Group1	8082A		12/26/24	12/26/24	
			PESTICIDE Group1	8081B		12/26/24	12/26/24	

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Hit Summary Sheet
SW-846

SDG No.: P5382 **Order ID:** P5382

Client: Kleinfelder **Project ID:** Comegys School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-1	SDG No.:	P5382
Lab Sample ID:	P5382-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093520.D	1	12/26/24 08:30	12/26/24 13:19	PB165844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-54-8	4,4-DDD	0.23	U	0.23	2.00	ug/kg
50-29-3	4,4-DDT	0.20	U	0.20	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		10 - 148	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.4		10 - 159	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-2	SDG No.:	P5382
Lab Sample ID:	P5382-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093521.D	1	12/26/24 08:30	12/26/24 13:33	PB165844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.10	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.10	ug/kg
72-54-8	4,4-DDD	0.23	U	0.23	2.10	ug/kg
50-29-3	4,4-DDT	0.21	U	0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		10 - 148	107%	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3	SDG No.:	P5382
Lab Sample ID:	P5382-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093522.D	1	12/26/24 08:30	12/26/24 13:46	PB165844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.10	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.10	ug/kg
72-54-8	4,4-DDD	0.23	U	0.23	2.10	ug/kg
50-29-3	4,4-DDT	0.21	U	0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		10 - 148	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		10 - 159	113%	SPK: 20

Comments:

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL093481.D	PIBLK-PL093481.D	Decachlorobiphenyl	1	20	22.0	110		43	140
		Tetrachloro-m-xylene	1	20	20.5	102		77	126
		Decachlorobiphenyl	2	20	21.4	107		43	140
		Tetrachloro-m-xylene	2	20	19.9	100		77	126
I.BLK-PL093514.D	PIBLK-PL093514.D	Decachlorobiphenyl	1	20	24.0	120		43	140
		Tetrachloro-m-xylene	1	20	21.5	108		77	126
		Decachlorobiphenyl	2	20	23.8	119		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
PB165844BL	PB165844BL	Decachlorobiphenyl	1	20	24.1	120		10	148
		Tetrachloro-m-xylene	1	20	19.8	99		10	159
		Decachlorobiphenyl	2	20	23.8	119		10	148
		Tetrachloro-m-xylene	2	20	18.2	91		10	159
PB165844BS	PB165844BS	Decachlorobiphenyl	1	20	23.9	120		10	148
		Tetrachloro-m-xylene	1	20	20.9	105		10	159
		Decachlorobiphenyl	2	20	23.8	119		10	148
		Tetrachloro-m-xylene	2	20	19.1	95		10	159
P5382-01	COMP-1	Decachlorobiphenyl	1	20	15.7	78		10	148
		Tetrachloro-m-xylene	1	20	19.4	97		10	159
		Decachlorobiphenyl	2	20	14.9	75		10	148
		Tetrachloro-m-xylene	2	20	18.2	91		10	159
P5382-02	COMP-2	Decachlorobiphenyl	1	20	21.4	107		10	148
		Tetrachloro-m-xylene	1	20	21.7	109		10	159
		Decachlorobiphenyl	2	20	20.0	100		10	148
		Tetrachloro-m-xylene	2	20	20.7	103		10	159
P5382-03	COMP-3	Decachlorobiphenyl	1	20	22.0	110		10	148
		Tetrachloro-m-xylene	1	20	22.6	113		10	159
		Decachlorobiphenyl	2	20	21.4	107		10	148
		Tetrachloro-m-xylene	2	20	21.7	109		10	159
P5382-03MS	COMP-3MS	Decachlorobiphenyl	1	20	19.8	99		10	148
		Tetrachloro-m-xylene	1	20	18.7	94		10	159
		Decachlorobiphenyl	2	20	19.1	96		10	148
		Tetrachloro-m-xylene	2	20	17.9	90		10	159
P5382-03MSD	COMP-3MSD	Decachlorobiphenyl	1	20	19.4	97		10	148
		Tetrachloro-m-xylene	1	20	18.7	94		10	159
		Decachlorobiphenyl	2	20	18.6	93		10	148
		Tetrachloro-m-xylene	2	20	17.7	89		10	159
I.BLK-PL093525.D	PIBLK-PL093525.D	Decachlorobiphenyl	1	20	24.0	120		43	140
		Tetrachloro-m-xylene	1	20	21.7	108		77	126
		Decachlorobiphenyl	2	20	23.8	119		43	140
		Tetrachloro-m-xylene	2	20	20.1	101		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8081B **DataFile :** PL093523.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**COMP-3MS**											
P5382-03MS	Aldrin	20.09	0	21.0	ug/kg	105				49	139	
	Dieldrin	20.09	0	22.4	ug/kg	111				47	161	
	4,4'-DDE	20.09	0	22.4	ug/kg	111				55	136	
	4,4'-DDD	20.09	0	22.7	ug/kg	113				37	192	
	4,4'-DDT	20.09	0	24.0	ug/kg	119				51	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8081B **DataFile :** PL093524.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**COMP-3MSD**											
P5382-03MSD	Aldrin	20.1	0	20.6	ug/kg	102		3		49	139	20
	Dieldrin	20.1	0	22.0	ug/kg	109		2		47	161	20
	4,4'-DDE	20.1	0	22.0	ug/kg	109		2		55	136	20
	4,4'-DDD	20.1	0	22.4	ug/kg	111		2		37	192	20
	4,4'-DDT	20.1	0	23.4	ug/kg	116		3		51	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8081B **Datafile :** PL093518.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165844BS	Aldrin	16.65	17.4	ug/kg	105				82	124	
	Dieldrin	16.65	18.7	ug/kg	112				85	121	
	4,4'-DDE	16.65	18.6	ug/kg	112				81	123	
	4,4'-DDD	16.65	19.2	ug/kg	115				80	131	
	4,4'-DDT	16.65	20.1	ug/kg	121				70	129	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165844BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab Sample ID: PB165844BL Lab File ID: PL093517.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 12/26/2024

Date Analyzed (1): 12/26/2024 Date Analyzed (2): 12/26/2024

Time Analyzed (1): 12:38 Time Analyzed (2): 12:38

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

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
PB165844BS	PB165844BS	PL093518.D	12/26/2024	12/26/2024
COMP-1	P5382-01	PL093520.D	12/26/2024	12/26/2024
COMP-2	P5382-02	PL093521.D	12/26/2024	12/26/2024
COMP-3	P5382-03	PL093522.D	12/26/2024	12/26/2024
COMP-3MS	P5382-03MS	PL093523.D	12/26/2024	12/26/2024
COMP-3MSD	P5382-03MSD	PL093524.D	12/26/2024	12/26/2024

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	PB165844BL	SDG No.:	P5382
Lab Sample ID:	PB165844BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093517.D	1	12/26/24 08:30	12/26/24 12:38	PB165844

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	24.1		10 - 148	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/23/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	PIBLK-PL093481.D	SDG No.:	P5382
Lab Sample ID:	I.BLK-PL093481.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093481.D	1		12/23/24	PL122324

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	22.0		43 - 140	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	102%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/26/24
Project:	Comegys School	Date Received:	12/26/24
Client Sample ID:	PIBLK-PL093514.D	SDG No.:	P5382
Lab Sample ID:	I.BLK-PL093514.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093514.D	1		12/26/24	pl122624

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	24.0		43 - 140	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		77 - 126	108%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/26/24
Project:	Comegys School	Date Received:	12/26/24
Client Sample ID:	PIBLK-PL093525.D	SDG No.:	P5382
Lab Sample ID:	I.BLK-PL093525.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093525.D	1		12/26/24	pl122624

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	24.0		43 - 140	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	PB165844BS	SDG No.:	P5382
Lab Sample ID:	PB165844BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093518.D	1	12/26/24 08:30	12/26/24 12:51	PB165844

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	18.7		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.6		0.13	1.70	ug/kg
72-54-8	4,4-DDD	19.2		0.19	1.70	ug/kg
50-29-3	4,4-DDT	20.1		0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.9		10 - 148	120%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		10 - 159	105%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3MS	SDG No.:	P5382
Lab Sample ID:	P5382-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093523.D	1	12/26/24 08:30	12/26/24 14:00	PB165844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	21.0		0.17	2.00	ug/kg
60-57-1	Dieldrin	22.4		0.18	2.00	ug/kg
72-55-9	4,4-DDE	22.4		0.16	2.00	ug/kg
72-54-8	4,4-DDD	22.7		0.23	2.00	ug/kg
50-29-3	4,4-DDT	24.0		0.20	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		10 - 148	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		10 - 159	94%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3MSD	SDG No.:	P5382
Lab Sample ID:	P5382-03MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093524.D	1	12/26/24 08:30	12/26/24 14:13	PB165844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	20.6		0.17	2.10	ug/kg
60-57-1	Dieldrin	22.0		0.18	2.10	ug/kg
72-55-9	4,4-DDE	22.0		0.16	2.10	ug/kg
72-54-8	4,4-DDD	22.4		0.23	2.10	ug/kg
50-29-3	4,4-DDT	23.4		0.21	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		10 - 159	94%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
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CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_L **Calibration Date(s):** 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID: RT 100 = PL093484.D RT 075 = PL093485.D

RT 050 = PL093486.D RT 025 = PL093487.D RT 005 = PL093488.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.03	7.03	7.03	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	9.06	9.06	9.06	9.05	9.05	9.06	8.96	9.16
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_L **Calibration Date(s):** 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID: RT 100 = PL093484.D RT 075 = PL093485.D

RT 050 = PL093486.D RT 025 = PL093487.D RT 005 = PL093488.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.23	5.23	5.23	5.23	5.23	5.23	5.13	5.33
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	7.91	7.91	7.91	7.91	7.91	7.91	7.81	8.01
Dieldrin	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_L

Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID: **CF 100 =** PL093484.D **CF 075 =** PL093485.D

CF 050 = PL093486.D **CF 025 =** PL093487.D **CF 005 =** PL093488.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1621940000	1601100000	1685020000	1757890000	2113830000	1755960000	12
4,4'-DDE	2097720000	2040360000	2142990000	2234520000	2703690000	2243860000	12
4,4'-DDT	1736630000	1688550000	1784110000	1855870000	2177460000	1848520000	10
Aldrin	2739480000	2644310000	2770490000	2873720000	3516330000	2908860000	12
Decachlorobiphenyl	1661260000	1649170000	1775440000	1867730000	2291490000	1849020000	14
Dieldrin	2323630000	2259870000	2374580000	2480210000	3037140000	2495090000	13
Tetrachloro-m-xylene	2318290000	2256280000	2391520000	2493110000	2919250000	2475690000	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_L

Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID: **CF 100 =** PL093484.D **CF 075 =** PL093485.D

CF 050 = PL093486.D **CF 025 =** PL093487.D **CF 005 =** PL093488.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2969360000	2852140000	2831690000	2714170000	2783370000	2830150000	3
4,4'-DDE	3832650000	3639420000	3656470000	3546590000	3711090000	3677240000	3
4,4'-DDT	3215060000	3041820000	3039820000	2905500000	2899310000	3020300000	4
Aldrin	4345680000	4106320000	4115460000	3936670000	4007300000	4102290000	4
Decachlorobiphenyl	2956580000	2818470000	2885080000	2902790000	3366620000	2985910000	7
Dieldrin	4043510000	3835610000	3838300000	3694190000	3857790000	3853880000	3
Tetrachloro-m-xylene	2947220000	2813690000	2902100000	2859340000	3033640000	2911200000	3

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/23/2024 12/23/2024

Continuing Calib Time: 12:07 **Initial Calibration Time(s):** 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.55	3.54	3.44	3.64	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
4,4'-DDT	7.03	7.03	6.93	7.13	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/23/2024 12/23/2024

Continuing Calib Time: 12:07 **Initial Calibration Time(s):** 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Dieldrin	5.37	5.36	5.26	5.46	-0.01
4,4'-DDE	5.24	5.23	5.13	5.33	-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

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/26/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093516.D **Time Analyzed:** 12:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.719	6.611	6.811	52.470	50.000	4.9
4,4'-DDE	6.202	6.094	6.294	53.250	50.000	6.5
4,4'-DDT	7.033	6.925	7.125	55.070	50.000	10.1
Aldrin	5.267	5.159	5.359	52.220	50.000	4.4
Decachlorobiphenyl	9.065	8.956	9.156	54.640	50.000	9.3
Dieldrin	6.354	6.246	6.446	53.020	50.000	6.0
Tetrachloro-m-xylene	3.548	3.442	3.642	50.880	50.000	1.8

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/26/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093516.D **Time Analyzed:** 12:07

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.789	5.688	5.888	56.140	50.000	12.3
4,4'-DDE	5.235	5.133	5.333	53.970	50.000	7.9
4,4'-DDT	6.040	5.937	6.137	58.000	50.000	16.0
Aldrin	4.229	4.128	4.328	52.000	50.000	4.0
Decachlorobiphenyl	7.915	7.812	8.012	57.100	50.000	14.2
Dieldrin	5.366	5.264	5.464	51.400	50.000	2.8
Tetrachloro-m-xylene	2.777	2.677	2.877	50.790	50.000	1.6

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/23/2024 12/23/2024

Continuing Calib Time: 14:49 **Initial Calibration Time(s):** 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
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	7.03	6.93	7.13	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/23/2024 12/23/2024

Continuing Calib Time: 14:49 **Initial Calibration Time(s):** 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/26/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093526.D **Time Analyzed:** 14:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.711	6.611	6.811	54.250	50.000	8.5
4,4'-DDE	6.194	6.094	6.294	53.270	50.000	6.5
4,4'-DDT	7.024	6.925	7.125	54.770	50.000	9.5
Aldrin	5.259	5.159	5.359	52.070	50.000	4.1
Decachlorobiphenyl	9.056	8.956	9.156	52.190	50.000	4.4
Dieldrin	6.345	6.246	6.446	52.070	50.000	4.1
Tetrachloro-m-xylene	3.540	3.442	3.642	51.770	50.000	3.5

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/26/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL093526.D **Time Analyzed:** 14:49

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.787	5.688	5.888	56.180	50.000	12.4
4,4'-DDE	5.232	5.133	5.333	54.560	50.000	9.1
4,4'-DDT	6.037	5.937	6.137	56.650	50.000	13.3
Aldrin	4.227	4.128	4.328	54.060	50.000	8.1
Decachlorobiphenyl	7.912	7.812	8.012	54.840	50.000	9.7
Dieldrin	5.363	5.264	5.464	53.810	50.000	7.6
Tetrachloro-m-xylene	2.775	2.677	2.877	52.820	50.000	5.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D **Date Analyzed:** 12/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.054	8.950	9.150	19.460	20.000	-2.7
Tetrachloro-m-xylene	3.541	3.490	3.590	19.200	20.000	-4.0
alpha-BHC	3.997	3.950	4.050	9.900	10.000	-1.0
beta-BHC	4.528	4.480	4.580	9.800	10.000	-2.0
gamma-BHC (Lindane)	4.329	4.280	4.380	9.720	10.000	-2.8
Endrin	6.575	6.500	6.650	42.660	50.000	-14.7
4,4'-DDT	7.025	6.950	7.100	85.450	100.000	-14.6
Methoxychlor	7.501	7.430	7.570	195.970	250.000	-21.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D **Date Analyzed:** 12/23/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.912	7.810	8.010	18.580	20.000	-7.1
Tetrachloro-m-xylene	2.777	2.730	2.830	18.650	20.000	-6.8
alpha-BHC	3.280	3.230	3.330	8.850	10.000	-11.5
beta-BHC	3.910	3.860	3.960	9.830	10.000	-1.7
gamma-BHC (Lindane)	3.609	3.560	3.660	8.480	10.000	-15.2
Endrin	5.639	5.570	5.710	44.360	50.000	-11.3
4,4'-DDT	6.038	5.970	6.110	99.160	100.000	-0.8
Methoxychlor	6.612	6.540	6.680	219.190	250.000	-12.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093515.D **Date Analyzed:** 12/26/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.055	8.950	9.160	23.450	20.000	17.3
Tetrachloro-m-xylene	3.539	3.490	3.590	21.970	20.000	9.9
alpha-BHC	3.994	3.940	4.040	11.630	10.000	16.3
beta-BHC	4.526	4.480	4.580	12.130	10.000	21.3
gamma-BHC (Lindane)	4.327	4.280	4.380	11.400	10.000	14.0
Endrin	6.575	6.500	6.650	50.530	50.000	1.1
4,4'-DDT	7.025	6.950	7.100	104.030	100.000	4.0
Methoxychlor	7.501	7.430	7.570	238.050	250.000	-4.8

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093515.D **Date Analyzed:** 12/26/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:22

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.912	7.810	8.010	23.130	20.000	15.7
Tetrachloro-m-xylene	2.774	2.720	2.820	20.250	20.000	1.3
alpha-BHC	3.277	3.230	3.330	9.970	10.000	-0.3
beta-BHC	3.908	3.860	3.960	10.990	10.000	9.9
gamma-BHC (Lindane)	3.607	3.560	3.660	9.630	10.000	-3.7
Endrin	5.638	5.570	5.710	51.930	50.000	3.9
4,4'-DDT	6.037	5.970	6.110	117.700	100.000	17.7
Methoxychlor	6.612	6.540	6.680	261.100	250.000	4.4

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Analytical Sequence

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/23/2024 12/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	12/23/2024	12:34	PL093481.D	9.06	3.54
PEM	PEM	12/23/2024	12:47	PL093482.D	9.05	3.54
RESCHK	RESCHK	12/23/2024	13:01	PL093483.D	9.06	3.54
PSTDICC100	PSTDICC100	12/23/2024	13:15	PL093484.D	9.06	3.54
PSTDICC075	PSTDICC075	12/23/2024	13:28	PL093485.D	9.06	3.54
PSTDICC050	PSTDICC050	12/23/2024	13:42	PL093486.D	9.06	3.54
PSTDICC025	PSTDICC025	12/23/2024	13:55	PL093487.D	9.05	3.54
PSTDICC005	PSTDICC005	12/23/2024	14:09	PL093488.D	9.05	3.54
PCHLORICC500	PCHLORICC500	12/23/2024	14:50	PL093491.D	9.06	3.54
PTOXICC500	PTOXICC500	12/23/2024	15:58	PL093496.D	9.06	3.54
I.BLK	I.BLK	12/26/2024	11:08	PL093514.D	9.06	3.54
PEM	PEM	12/26/2024	11:22	PL093515.D	9.06	3.54
PSTDCCC050	PSTDCCC050	12/26/2024	12:07	PL093516.D	9.07	3.55
PB165844BL	PB165844BL	12/26/2024	12:38	PL093517.D	9.06	3.55
PB165844BS	PB165844BS	12/26/2024	12:51	PL093518.D	9.06	3.54
COMP-1	P5382-01	12/26/2024	13:19	PL093520.D	9.05	3.54
COMP-2	P5382-02	12/26/2024	13:33	PL093521.D	9.05	3.54
COMP-3	P5382-03	12/26/2024	13:46	PL093522.D	9.05	3.54
COMP-3MS	P5382-03MS	12/26/2024	14:00	PL093523.D	9.05	3.54
COMP-3MSD	P5382-03MSD	12/26/2024	14:13	PL093524.D	9.05	3.54
I.BLK	I.BLK	12/26/2024	14:36	PL093525.D	9.06	3.55
PSTDCCC050	PSTDCCC050	12/26/2024	14:49	PL093526.D	9.06	3.54

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Analytical Sequence

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/23/2024 12/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	12/23/2024	12:34	PL093481.D	7.91	2.78
PEM	PEM	12/23/2024	12:47	PL093482.D	7.91	2.78
RESCHK	RESCHK	12/23/2024	13:01	PL093483.D	7.91	2.78
PSTDICC100	PSTDICC100	12/23/2024	13:15	PL093484.D	7.91	2.78
PSTDICC075	PSTDICC075	12/23/2024	13:28	PL093485.D	7.91	2.78
PSTDICC050	PSTDICC050	12/23/2024	13:42	PL093486.D	7.91	2.78
PSTDICC025	PSTDICC025	12/23/2024	13:55	PL093487.D	7.91	2.78
PSTDICC005	PSTDICC005	12/23/2024	14:09	PL093488.D	7.91	2.78
PCHLORICC500	PCHLORICC500	12/23/2024	14:50	PL093491.D	7.91	2.78
PTOXICC500	PTOXICC500	12/23/2024	15:58	PL093496.D	7.91	2.78
I.BLK	I.BLK	12/26/2024	11:08	PL093514.D	7.91	2.77
PEM	PEM	12/26/2024	11:22	PL093515.D	7.91	2.77
PSTDCCC050	PSTDCCC050	12/26/2024	12:07	PL093516.D	7.92	2.78
PB165844BL	PB165844BL	12/26/2024	12:38	PL093517.D	7.92	2.78
PB165844BS	PB165844BS	12/26/2024	12:51	PL093518.D	7.91	2.78
COMP-1	P5382-01	12/26/2024	13:19	PL093520.D	7.91	2.77
COMP-2	P5382-02	12/26/2024	13:33	PL093521.D	7.91	2.77
COMP-3	P5382-03	12/26/2024	13:46	PL093522.D	7.91	2.77
COMP-3MS	P5382-03MS	12/26/2024	14:00	PL093523.D	7.91	2.77
COMP-3MSD	P5382-03MSD	12/26/2024	14:13	PL093524.D	7.91	2.77
I.BLK	I.BLK	12/26/2024	14:36	PL093525.D	7.92	2.78
PSTDCCC050	PSTDCCC050	12/26/2024	14:49	PL093526.D	7.91	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3MS

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Lab Sample ID: P5382-03MS **Date(s) Analyzed:** 12/26/2024 12/26/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	22.7	0.4
	2	5.79	5.74	5.84	22.6	
4,4'-DDE	1	6.19	6.14	6.24	21.0	6.5
	2	5.23	5.18	5.28	22.4	
4,4'-DDT	1	7.02	6.97	7.07	23.4	2.5
	2	6.04	5.99	6.09	24.0	
Aldrin	1	5.26	5.21	5.31	20.5	2.4
	2	4.23	4.18	4.28	21.0	
Dieldrin	1	6.34	6.29	6.39	21.4	4.6
	2	5.36	5.31	5.41	22.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3MSD

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Lab Sample ID: P5382-03MSD **Date(s) Analyzed:** 12/26/2024 12/26/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	22.4	0.9
	2	5.79	5.74	5.84	22.2	
4,4'-DDT	1	7.02	6.97	7.07	23.0	1.7
	2	6.04	5.99	6.09	23.4	
Aldrin	1	5.26	5.21	5.31	20.3	1.5
	2	4.23	4.18	4.28	20.6	
4,4'-DDE	1	6.19	6.14	6.24	20.8	5.6
	2	5.23	5.18	5.28	22.0	
Dieldrin	1	6.35	6.30	6.40	21.1	4.2
	2	5.36	5.31	5.41	22.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165844BS

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Lab Sample ID: PB165844BS **Date(s) Analyzed:** 12/26/2024 12/26/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	18.8	2.1
	2	5.79	5.74	5.84	19.2	
4,4'-DDT	1	7.03	6.98	7.08	19.7	2
	2	6.04	5.99	6.09	20.1	
Aldrin	1	5.26	5.21	5.31	17.3	0.6
	2	4.23	4.18	4.28	17.4	
4,4'-DDE	1	6.19	6.14	6.24	18.4	1.1
	2	5.23	5.18	5.28	18.6	
Dieldrin	1	6.35	6.30	6.40	18.3	2.2
	2	5.36	5.31	5.41	18.7	

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5382-01	**COMP-1**	**SOIL**			**12/20/24**			**12/23/24**
			PCB Group1	8082A		12/26/24	12/26/24	
			PESTICIDE Group1	8081B		12/26/24	12/26/24	
P5382-02	**COMP-2**	**SOIL**			**12/20/24**			**12/23/24**
			PCB Group1	8082A		12/26/24	12/26/24	
			PESTICIDE Group1	8081B		12/26/24	12/26/24	
P5382-03	**COMP-3**	**SOIL**			**12/20/24**			**12/23/24**
			PCB Group1	8082A		12/26/24	12/26/24	
			PESTICIDE Group1	8081B		12/26/24	12/26/24	

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Hit Summary Sheet
SW-846

SDG No.: P5382 **Order ID:** P5382

Client: Kleinfelder **Project ID:** Comegys School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-1	SDG No.:	P5382
Lab Sample ID:	P5382-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.08 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
PO108770.D	1	12/26/24 08:30	12/26/24 14:29	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	20.5	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.5	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.2		32 - 175	61%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-2	SDG No.:	P5382
Lab Sample ID:	P5382-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108771.D	1	12/26/24 08:30	12/26/24 14:47	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	20.6	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.6	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	20.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		32 - 175	85%	SPK: 20

Comments:

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

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3	SDG No.:	P5382
Lab Sample ID:	P5382-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	82.8 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108772.D	1	12/26/24 08:30	12/26/24 15:05	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	20.5	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.5	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.7		32 - 144	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		32 - 175	91%	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

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

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PO108361.D	PIBLK-PO108361.D	Tetrachloro-m-xylene	1	20	23.0	115		60	140
		Decachlorobiphenyl	1	20	23.6	118		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
I.BLK-PO108762.D	PIBLK-PO108762.D	Tetrachloro-m-xylene	1	20	21.8	109		60	140
		Decachlorobiphenyl	1	20	21.3	107		60	140
		Tetrachloro-m-xylene	2	20	20.0	100		60	140
		Decachlorobiphenyl	2	20	22.1	110		60	140
PB165843BL	PB165843BL	Tetrachloro-m-xylene	1	20	22.0	110		32	144
		Decachlorobiphenyl	1	20	22.2	111		32	175
		Tetrachloro-m-xylene	2	20	20.0	100		32	144
		Decachlorobiphenyl	2	20	22.9	115		32	175
PB165843BS	PB165843BS	Tetrachloro-m-xylene	1	20	21.2	106		32	144
		Decachlorobiphenyl	1	20	21.7	108		32	175
		Tetrachloro-m-xylene	2	20	19.2	96		32	144
		Decachlorobiphenyl	2	20	23.2	116		32	175
P5318-01MS	AU-06-122024MS	Tetrachloro-m-xylene	1	20	13.5	67		32	144
		Decachlorobiphenyl	1	20	10.9	55		32	175
		Tetrachloro-m-xylene	2	20	12.4	62		32	144
		Decachlorobiphenyl	2	20	12.1	61		32	175
P5318-01MSD	AU-06-122024MSD	Tetrachloro-m-xylene	1	20	13.9	70		32	144
		Decachlorobiphenyl	1	20	11.8	59		32	175
		Tetrachloro-m-xylene	2	20	13.6	68		32	144
		Decachlorobiphenyl	2	20	13.3	66		32	175
P5382-01	COMP-1	Tetrachloro-m-xylene	1	20	19.2	96		32	144
		Decachlorobiphenyl	1	20	10.9	55		32	175
		Tetrachloro-m-xylene	2	20	18.6	93		32	144
		Decachlorobiphenyl	2	20	12.2	61		32	175
P5382-02	COMP-2	Tetrachloro-m-xylene	1	20	21.4	107		32	144
		Decachlorobiphenyl	1	20	14.9	75		32	175
		Tetrachloro-m-xylene	2	20	20.5	102		32	144
		Decachlorobiphenyl	2	20	16.9	85		32	175
P5382-03	COMP-3	Tetrachloro-m-xylene	1	20	22.7	114		32	144
		Decachlorobiphenyl	1	20	16.4	82		32	175
		Tetrachloro-m-xylene	2	20	21.8	109		32	144
		Decachlorobiphenyl	2	20	18.2	91		32	175
I.BLK-PO108777.D	PIBLK-PO108777.D	Tetrachloro-m-xylene	1	20	20.5	102		60	140
		Decachlorobiphenyl	1	20	18.1	90		60	140
		Tetrachloro-m-xylene	2	20	19.4	97		60	140
		Decachlorobiphenyl	2	20	19.9	100		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8082A **DataFile :** PO108767.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**AU-06-122024MS**											
P5318-01MS	AR1016	193.2	0	138	ug/kg	71				55	146	
	AR1260	193.2	8.7	124	ug/kg	60				45	144	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8082A **DataFile :** PO108768.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**AU-06-122024MSD**											
P5318-01MSD	AR1016	193.1	0	134	ug/kg	69		3		55	146	20
	AR1260	193.1	8.7	127	ug/kg	61		2		45	144	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5382

Client: Kleinfelder

Analytical Method: 8082A **Datafile :** PO108764.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB165843BS	AR1016	166.6	165	ug/kg	99				71	120	
	AR1260	166.6	166	ug/kg	100				65	130	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165843BL

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: P5382 SAS No.: P5382 SDG NO.: P5382

Lab Sample ID: PB165843BL Lab File ID: PO108763.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 12/26/2024

Date Analyzed (1): 12/26/2024 Date Analyzed (2): 12/26/2024

Time Analyzed (1): 12:21 Time Analyzed (2): 12:21

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB165843BS	PB165843BS	PO108764.D	12/26/2024	12/26/2024
AU-06-122024MS	P5318-01MS	PO108767.D	12/26/2024	12/26/2024
AU-06-122024MSD	P5318-01MSD	PO108768.D	12/26/2024	12/26/2024
COMP-1	P5382-01	PO108770.D	12/26/2024	12/26/2024
COMP-2	P5382-02	PO108771.D	12/26/2024	12/26/2024
COMP-3	P5382-03	PO108772.D	12/26/2024	12/26/2024

COMMENTS:

CALIBRATION SUMMARY

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

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID:		RT 1000 =	PO108362.D	RT 750 =	PO108363.D
RT 500 =	PO108364.D	RT 250 =	PO108365.D	RT 050 =	PO108366.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016-1	(1)	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Aroclor-1016-2	(2)	4.83	4.83	4.83	4.83	4.83	4.83	4.73	4.93
Aroclor-1016-3	(3)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1016-4	(4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1016-5	(5)	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Aroclor-1260-1	(1)	6.31	6.31	6.31	6.31	6.31	6.31	6.21	6.41
Aroclor-1260-2	(2)	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Aroclor-1260-3	(3)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1260-4	(4)	7.13	7.13	7.13	7.13	7.13	7.13	7.03	7.23
Aroclor-1260-5	(5)	7.37	7.37	7.37	7.37	7.37	7.37	7.27	7.47
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1254-2	(2)	5.77	5.77	5.77	5.77	5.77	5.77	5.67	5.87
Aroclor-1254-3	(3)	6.18	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Aroclor-1254-4	(4)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1254-5	(5)	6.83	6.83	6.83	6.83	6.83	6.83	6.73	6.93
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Decachlorobiphenyl		8.79	8.79	8.79	8.79	8.79	8.79	8.69	8.89
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: RT 1000 = PO108362.D RT 750 = PO108363.D
RT 500 = PO108364.D RT 250 = PO108365.D RT 050 = PO108366.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016-1	(1)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-2	(2)	4.82	4.82	4.82	4.82	4.82	4.82	4.72	4.92
Aroclor-1016-3	(3)	4.99	4.99	4.99	4.99	4.99	4.99	4.89	5.09
Aroclor-1016-4	(4)	5.04	5.04	5.04	5.04	5.04	5.04	4.94	5.14
Aroclor-1016-5	(5)	5.25	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Aroclor-1260-1	(1)	6.29	6.29	6.29	6.29	6.29	6.29	6.19	6.39
Aroclor-1260-2	(2)	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Aroclor-1260-3	(3)	6.63	6.63	6.63	6.63	6.63	6.63	6.53	6.73
Aroclor-1260-4	(4)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1260-5	(5)	7.34	7.34	7.34	7.34	7.34	7.34	7.24	7.44
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Aroclor-1254-1	(1)	5.60	5.60	5.60	5.60	5.60	5.60	5.50	5.70
Aroclor-1254-2	(2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1254-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1254-4	(4)	6.38	6.38	6.38	6.38	6.38	6.38	6.28	6.48
Aroclor-1254-5	(5)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81
Decachlorobiphenyl		8.74	8.74	8.74	8.74	8.74	8.74	8.64	8.84
Tetrachloro-m-xylene		3.71	3.71	3.71	3.71	3.71	3.71	3.61	3.81

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_O

Calibration Date(s): 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: **CF 1000 =** PO108362.D **CF 750 =** PO108363.D

CF 500 = PO108364.D **CF 250 =** PO108365.D **CF 050 =** PO108366.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	291946997	297743768	310620664	319628964	322276700	308443419	4
Aroclor-1016-2	(2)	404548343	410201719	419086158	434302728	418957120	417419214	3
Aroclor-1016-3	(3)	276313882	283350735	295214768	305005424	303271420	292631246	4
Aroclor-1016-4	(4)	219460370	224028880	231955104	239248200	241192240	231176959	4
Aroclor-1016-5	(5)	230837381	238568924	249276722	260302648	279364560	251670047	8
Aroclor-1260-1	(1)	430087746	435401064	458150304	486996644	475087940	457144740	5
Aroclor-1260-2	(2)	526959551	526383048	555764632	590931960	578558580	555719554	5
Aroclor-1260-3	(3)	436965341	443883275	464184392	487588856	485769460	463678265	5
Aroclor-1260-4	(4)	403312630	406530869	426472890	444299896	446086500	425340557	5
Aroclor-1260-5	(5)	957132439	955503789	984649950	1000570432	961557080	971882738	2
Decachlorobiphenyl		7019975940	7102279760	7343195240	7645101200	7409935200	7304097468	3
Tetrachloro-m-xylene		8754554380	8783699800	8926447760	8858353120	8177601800	8700131372	3
Decachlorobiphenyl		7151632520	7167100640	7259242160	7695082840	7616154000	7377842432	4
Tetrachloro-m-xylene		8921368150	8691850413	8750108140	8842570400	8500038400	8741187101	2
Decachlorobiphenyl		7041971050	7340001867	7677772660	8334328560	8377267200	7754268267	8
Tetrachloro-m-xylene		8742483090	9116744787	9342439560	9446963040	8577776400	9045281375	4
Aroclor-1254-1	(1)	463230517	487037587	512031514	533861324	572040640	513640316	8
Aroclor-1254-2	(2)	407035308	429134731	452892530	476390932	511836900	455458080	9
Aroclor-1254-3	(3)	665923649	695083201	726473802	743208540	769953480	720128534	6
Aroclor-1254-4	(4)	404280854	421077525	444268156	458648100	465789400	438812807	6
Aroclor-1254-5	(5)	578915300	604639081	636092894	662542188	693421140	635122121	7
Decachlorobiphenyl		7146512650	7451889427	7845842200	8029803560	8289288000	7752667167	6
Tetrachloro-m-xylene		8916956510	9205112240	9483653100	9313097600	8995829000	9182929690	3
Decachlorobiphenyl		13116054520	12684928373	12985206200	13660251040	13550255000	13199339027	3
Tetrachloro-m-xylene		9439924600	8926085107	9366220020	9585299080	8679584000	9199422561	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Instrument ID: ECD_O **Calibration Date(s):** 12/06/2024 12/06/2024

Calibration Times: 14:19 22:34

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

LAB FILE ID: **CF 1000 =** PO108362.D **CF 750 =** PO108363.D

CF 500 = PO108364.D **CF 250 =** PO108365.D **CF 050 =** PO108366.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	153895169	156728372	161981056	169073964	160692820	160474276	4
Aroclor-1016-2	(2)	216342839	218481491	224728354	232664856	218246400	222092788	3
Aroclor-1016-3	(3)	120117826	122069885	126984464	131660600	128335340	125833623	4
Aroclor-1016-4	(4)	96843518	100727947	106065160	112123848	108269060	104805907	6
Aroclor-1016-5	(5)	124135109	128707045	133919966	139473364	149819760	135211049	7
Aroclor-1260-1	(1)	220557751	224688929	233372252	247245708	244312440	234035416	5
Aroclor-1260-2	(2)	265498816	268435476	278836448	291165028	298902840	280567722	5
Aroclor-1260-3	(3)	247895049	250737920	258985508	271036448	289186460	263568277	6
Aroclor-1260-4	(4)	206205103	207830825	214807128	221847076	213061100	212750246	3
Aroclor-1260-5	(5)	485216265	483370987	491130416	498849136	461100640	483933489	3
Decachlorobiphenyl		3766442770	3798929547	3925647180	4081005080	3802565400	3874917995	3
Tetrachloro-m-xylene		5125815400	5157614040	5227779180	5235220160	4600485000	5069382756	5
Decachlorobiphenyl		3837824030	3881889067	3932164520	4142632320	3981873600	3955276707	3
Tetrachloro-m-xylene		5175637870	5056121747	5062590080	5077379040	4694060200	5013157787	4
Decachlorobiphenyl		3812249930	3973614533	4145380680	4445118560	4295672800	4134407301	6
Tetrachloro-m-xylene		4965646150	5143987440	5236574340	5255843080	4633325600	5047075322	5
Aroclor-1254-1	(1)	245816740	256457156	269229946	279215328	303441080	270832050	8
Aroclor-1254-2	(2)	215464605	225390397	238770420	248817564	271658880	240020373	9
Aroclor-1254-3	(3)	351887512	364509791	380441060	386791796	393925500	375511132	5
Aroclor-1254-4	(4)	202983022	209924784	220508360	226093392	228876240	217677160	5
Aroclor-1254-5	(5)	301571990	312619885	327015726	332817532	339773740	322759775	5
Decachlorobiphenyl		3941299730	4071714027	4258931580	4374402200	4331619600	4195593427	4
Tetrachloro-m-xylene		5092418740	5228867107	5367266300	5227916200	4998387200	5182971109	3
Decachlorobiphenyl		7216327300	6964723040	7142803680	7406390760	7194775600	7185004076	2
Tetrachloro-m-xylene		5353757740	5060175947	5259788400	5326606440	4764065600	5152878825	5

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 09:31 **Initial Calibration Time(s):** 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.88	4.89	4.79	4.99	0.01
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.25	5.27	5.17	5.37	0.02
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.48	6.50	6.40	6.60	0.02
Aroclor-1260-3	(3)	6.85	6.87	6.77	6.97	0.02
Aroclor-1260-4	(4)	7.11	7.13	7.03	7.23	0.02
Aroclor-1260-5	(5)	7.36	7.37	7.27	7.47	0.01
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.77	8.79	8.69	8.89	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 09:31 **Initial Calibration Time(s):** 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.02
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/26/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108758.D **Time Analyzed:** 09:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.798	4.709	4.909	492.260	500.000	-1.5
Aroclor-1016-2	4.819	4.729	4.929	555.520	500.000	11.1
Aroclor-1016-3	4.875	4.785	4.985	566.500	500.000	13.3
Aroclor-1016-4	4.996	4.907	5.107	554.660	500.000	10.9
Aroclor-1016-5	5.254	5.165	5.365	545.160	500.000	9.0
Aroclor-1260-1	6.296	6.210	6.410	532.910	500.000	6.6
Aroclor-1260-2	6.484	6.398	6.598	520.070	500.000	4.0
Aroclor-1260-3	6.854	6.769	6.969	508.280	500.000	1.7
Aroclor-1260-4	7.114	7.029	7.229	500.340	500.000	0.1
Aroclor-1260-5	7.355	7.270	7.470	505.130	500.000	1.0
Decachlorobiphenyl	8.768	8.691	8.891	48.400	50.000	-3.2
Tetrachloro-m-xylene	3.703	3.610	3.810	58.440	50.000	16.9

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL01 **Date Analyzed:** 12/26/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108758.D **Time Analyzed:** 09:31

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.785	4.698	4.898	523.530	500.000	4.7
Aroclor-1016-2	4.805	4.718	4.918	530.700	500.000	6.1
Aroclor-1016-3	4.981	4.894	5.094	521.170	500.000	4.2
Aroclor-1016-4	5.022	4.935	5.135	517.040	500.000	3.4
Aroclor-1016-5	5.236	5.150	5.350	538.660	500.000	7.7
Aroclor-1260-1	6.269	6.186	6.386	539.930	500.000	8.0
Aroclor-1260-2	6.456	6.373	6.573	533.550	500.000	6.7
Aroclor-1260-3	6.610	6.527	6.727	525.430	500.000	5.1
Aroclor-1260-4	7.081	7.000	7.200	541.640	500.000	8.3
Aroclor-1260-5	7.321	7.239	7.439	544.970	500.000	9.0
Decachlorobiphenyl	8.717	8.641	8.841	51.720	50.000	3.4
Tetrachloro-m-xylene	3.700	3.608	3.808	54.500	50.000	9.0

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 16:10 **Initial Calibration Time(s):** 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.80	4.81	4.71	4.91	0.01
Aroclor-1016-2	(2)	4.82	4.83	4.73	4.93	0.01
Aroclor-1016-3	(3)	4.87	4.89	4.79	4.99	0.02
Aroclor-1016-4	(4)	5.00	5.01	4.91	5.11	0.01
Aroclor-1016-5	(5)	5.25	5.27	5.17	5.37	0.02
Aroclor-1260-1	(1)	6.30	6.31	6.21	6.41	0.01
Aroclor-1260-2	(2)	6.48	6.50	6.40	6.60	0.02
Aroclor-1260-3	(3)	6.85	6.87	6.77	6.97	0.02
Aroclor-1260-4	(4)	7.11	7.13	7.03	7.23	0.02
Aroclor-1260-5	(5)	7.35	7.37	7.27	7.47	0.02
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.77	8.79	8.69	8.89	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

Continuing Calib Date: 12/26/2024 **Initial Calibration Date(s):** 12/06/2024 12/06/2024

Continuing Calib Time: 16:10 **Initial Calibration Time(s):** 14:19 22:34

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.79	4.80	4.70	4.90	0.02
Aroclor-1016-2	(2)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-3	(3)	4.98	4.99	4.89	5.09	0.01
Aroclor-1016-4	(4)	5.02	5.04	4.94	5.14	0.02
Aroclor-1016-5	(5)	5.24	5.25	5.15	5.35	0.01
Aroclor-1260-1	(1)	6.27	6.29	6.19	6.39	0.02
Aroclor-1260-2	(2)	6.46	6.47	6.37	6.57	0.01
Aroclor-1260-3	(3)	6.61	6.63	6.53	6.73	0.02
Aroclor-1260-4	(4)	7.08	7.10	7.00	7.20	0.02
Aroclor-1260-5	(5)	7.32	7.34	7.24	7.44	0.02
Tetrachloro-m-xylene		3.70	3.71	3.61	3.81	0.01
Decachlorobiphenyl		8.72	8.74	8.64	8.84	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/26/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108773.D **Time Analyzed:** 16:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.798	4.709	4.909	500.920	500.000	0.2
Aroclor-1016-2	4.819	4.729	4.929	536.280	500.000	7.3
Aroclor-1016-3	4.874	4.785	4.985	543.260	500.000	8.7
Aroclor-1016-4	4.996	4.907	5.107	553.060	500.000	10.6
Aroclor-1016-5	5.254	5.165	5.365	531.340	500.000	6.3
Aroclor-1260-1	6.296	6.210	6.410	460.940	500.000	-7.8
Aroclor-1260-2	6.484	6.398	6.598	500.470	500.000	0.1
Aroclor-1260-3	6.853	6.769	6.969	489.770	500.000	-2.0
Aroclor-1260-4	7.113	7.029	7.229	448.450	500.000	-10.3
Aroclor-1260-5	7.354	7.270	7.470	434.300	500.000	-13.1
Decachlorobiphenyl	8.766	8.691	8.891	41.820	50.000	-16.4
Tetrachloro-m-xylene	3.703	3.610	3.810	55.860	50.000	11.7

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CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5382 **SAS No.:** P5382 **SDG NO.:** P5382

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 12/06/2024 12/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 12/26/2024

Lab Sample No.: AR1660CCC500 **Data File :** PO108773.D **Time Analyzed:** 16:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.785	4.698	4.898	546.650	500.000	9.3
Aroclor-1016-2	4.806	4.718	4.918	538.450	500.000	7.7
Aroclor-1016-3	4.981	4.894	5.094	528.610	500.000	5.7
Aroclor-1016-4	5.022	4.935	5.135	515.360	500.000	3.1
Aroclor-1016-5	5.236	5.150	5.350	549.390	500.000	9.9
Aroclor-1260-1	6.270	6.186	6.386	508.560	500.000	1.7
Aroclor-1260-2	6.457	6.373	6.573	501.550	500.000	0.3
Aroclor-1260-3	6.610	6.527	6.727	500.950	500.000	0.2
Aroclor-1260-4	7.083	7.000	7.200	502.140	500.000	0.4
Aroclor-1260-5	7.322	7.239	7.439	505.850	500.000	1.2
Decachlorobiphenyl	8.716	8.641	8.841	47.280	50.000	-5.4
Tetrachloro-m-xylene	3.700	3.608	3.808	53.750	50.000	7.5

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Analytical Sequence

Client:	**Kleinfelder**	**SDG No.:**	**P5382**
Project:	**Comegys School**	**Instrument ID:**	**ECD_O**
GC Column:	**ZB-MR1** **ID: 0.32 (mm)**	**Inst. Calib. Date(s):**	**12/06/2024 12/06/2024**

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	12/06/2024	14:01	PO108361.D	8.79	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.79	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.79	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.79	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.79	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.79	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.79	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.79	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.79	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.79	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.79	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.79	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.79	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.79	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.79	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.79	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.79	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.79	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.79	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.79	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.79	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.79	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.79	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.79	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.79	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.79	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.79	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.79	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.79	3.71
AR1660CCC500	AR1660CCC500	12/26/2024	09:31	PO108758.D	8.77	3.70
I.BLK	I.BLK	12/26/2024	11:32	PO108762.D	8.77	3.70
PB165843BL	PB165843BL	12/26/2024	12:21	PO108763.D	8.77	3.70
PB165843BS	PB165843BS	12/26/2024	12:39	PO108764.D	8.77	3.70
AU-06-122024MS	P5318-01MS	12/26/2024	13:34	PO108767.D	8.77	3.70
AU-06-122024MSD	P5318-01MSD	12/26/2024	13:52	PO108768.D	8.77	3.70
COMP-1	P5382-01	12/26/2024	14:29	PO108770.D	8.77	3.70
COMP-2	P5382-02	12/26/2024	14:47	PO108771.D	8.77	3.70
COMP-3	P5382-03	12/26/2024	15:05	PO108772.D	8.77	3.70
AR1660CCC500	AR1660CCC500	12/26/2024	16:10	PO108773.D	8.77	3.70
I.BLK	I.BLK	12/26/2024	17:24	PO108777.D	8.77	3.70

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Analytical Sequence

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 12/06/2024 12/06/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	12/06/2024	14:01	PO108361.D	8.74	3.71
AR1660ICC1000	AR1660ICC1000	12/06/2024	14:19	PO108362.D	8.74	3.71
AR1660ICC750	AR1660ICC750	12/06/2024	14:38	PO108363.D	8.74	3.71
AR1660ICC500	AR1660ICC500	12/06/2024	14:56	PO108364.D	8.74	3.71
AR1660ICC250	AR1660ICC250	12/06/2024	15:14	PO108365.D	8.74	3.71
AR1660ICC050	AR1660ICC050	12/06/2024	15:33	PO108366.D	8.74	3.71
AR1221ICC500	AR1221ICC500	12/06/2024	15:51	PO108367.D	8.74	3.71
AR1232ICC500	AR1232ICC500	12/06/2024	16:09	PO108368.D	8.74	3.71
AR1242ICC1000	AR1242ICC1000	12/06/2024	16:28	PO108369.D	8.74	3.71
AR1242ICC750	AR1242ICC750	12/06/2024	16:46	PO108370.D	8.74	3.71
AR1242ICC500	AR1242ICC500	12/06/2024	17:04	PO108371.D	8.74	3.71
AR1242ICC250	AR1242ICC250	12/06/2024	17:23	PO108372.D	8.74	3.71
AR1242ICC050	AR1242ICC050	12/06/2024	17:41	PO108373.D	8.74	3.71
AR1248ICC1000	AR1248ICC1000	12/06/2024	17:59	PO108374.D	8.74	3.71
AR1248ICC750	AR1248ICC750	12/06/2024	18:18	PO108375.D	8.74	3.71
AR1248ICC500	AR1248ICC500	12/06/2024	18:36	PO108376.D	8.74	3.71
AR1248ICC250	AR1248ICC250	12/06/2024	18:54	PO108377.D	8.74	3.71
AR1248ICC050	AR1248ICC050	12/06/2024	19:13	PO108378.D	8.74	3.71
AR1254ICC1000	AR1254ICC1000	12/06/2024	19:31	PO108379.D	8.74	3.71
AR1254ICC750	AR1254ICC750	12/06/2024	19:49	PO108380.D	8.74	3.71
AR1254ICC500	AR1254ICC500	12/06/2024	20:08	PO108381.D	8.74	3.71
AR1254ICC250	AR1254ICC250	12/06/2024	20:26	PO108382.D	8.74	3.71
AR1254ICC050	AR1254ICC050	12/06/2024	20:44	PO108383.D	8.74	3.71
AR1262ICC500	AR1262ICC500	12/06/2024	21:03	PO108384.D	8.74	3.71
AR1268ICC1000	AR1268ICC1000	12/06/2024	21:21	PO108385.D	8.74	3.71
AR1268ICC750	AR1268ICC750	12/06/2024	21:39	PO108386.D	8.74	3.71
AR1268ICC500	AR1268ICC500	12/06/2024	21:58	PO108387.D	8.74	3.71
AR1268ICC250	AR1268ICC250	12/06/2024	22:16	PO108388.D	8.74	3.71
AR1268ICC050	AR1268ICC050	12/06/2024	22:34	PO108389.D	8.74	3.71
AR1660CCC500	AR1660CCC500	12/26/2024	09:31	PO108758.D	8.72	3.70
I.BLK	I.BLK	12/26/2024	11:32	PO108762.D	8.72	3.70
PB165843BL	PB165843BL	12/26/2024	12:21	PO108763.D	8.72	3.70
PB165843BS	PB165843BS	12/26/2024	12:39	PO108764.D	8.72	3.70
AU-06-122024MS	P5318-01MS	12/26/2024	13:34	PO108767.D	8.72	3.70
AU-06-122024MSD	P5318-01MSD	12/26/2024	13:52	PO108768.D	8.72	3.70
COMP-1	P5382-01	12/26/2024	14:29	PO108770.D	8.72	3.70
COMP-2	P5382-02	12/26/2024	14:47	PO108771.D	8.72	3.70
COMP-3	P5382-03	12/26/2024	15:05	PO108772.D	8.72	3.70
AR1660CCC500	AR1660CCC500	12/26/2024	16:10	PO108773.D	8.72	3.70
I.BLK	I.BLK	12/26/2024	17:24	PO108777.D	8.72	3.70

QC SAMPLE DATA

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Comegys School	Date Received:	
Client Sample ID:	PB165843BL	SDG No.:	P5382
Lab Sample ID:	PB165843BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108763.D	1	12/26/24 08:30	12/26/24 12:21	PB165843

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	22.0		32 - 144	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		32 - 175	115%	SPK: 20

Comments:

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

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

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Fax : 908 789 8922

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/06/24
Project:	Comegys School	Date Received:	12/06/24
Client Sample ID:	PIBLK-PO108361.D	SDG No.:	P5382
Lab Sample ID:	I.BLK-PO108361.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108361.D	1		12/06/24	PO120624

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	21.6		60 - 140	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		60 - 140	118%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/26/24
Project:	Comegys School	Date Received:	12/26/24
Client Sample ID:	PIBLK-PO108762.D	SDG No.:	P5382
Lab Sample ID:	I.BLK-PO108762.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108762.D	1		12/26/24	PO122624

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	20.0		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		60 - 140	107%	SPK: 20

Comments:

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

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/26/24
Project:	Comegys School	Date Received:	12/26/24
Client Sample ID:	PIBLK-PO108777.D	SDG No.:	P5382
Lab Sample ID:	I.BLK-PO108777.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108777.D	1		12/26/24	PO122624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		60 - 140	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		60 - 140	90%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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

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Report of Analysis

Client:	Kleinfelder		Date Collected:		
Project:	Comegys School		Date Received:		
Client Sample ID:	PB165843BS		SDG No.:	P5382	
Lab Sample ID:	PB165843BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108764.D	1	12/26/24 08:30	12/26/24 12:39	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	165		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	166		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.2		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.2		32 - 175	116%	SPK: 20

Comments:

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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
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/20/24
Client Sample ID:	AU-06-122024MS	SDG No.:	P5382
Lab Sample ID:	P5318-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108767.D	1	12/26/24 08:30	12/26/24 13:34	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	138		3.90	19.7	ug/kg
11097-69-1	Aroclor-1254	67.0		3.20	19.7	ug/kg
11096-82-5	Aroclor-1260	124		3.40	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.5		32 - 144	67%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		32 - 175	61%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/20/24
Client Sample ID:	AU-06-122024MSD	SDG No.:	P5382
Lab Sample ID:	P5318-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.2 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO108768.D	1	12/26/24 08:30	12/26/24 13:52	PB165843

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	134		3.90	19.7	ug/kg
11097-69-1	Aroclor-1254	76.1		3.20	19.7	ug/kg
11096-82-5	Aroclor-1260	127		3.40	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.9		32 - 144	70%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.3		32 - 175	66%	SPK: 20

Comments:

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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit

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LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5382-01	**COMP-1**	**SOIL**			**12/20/24**			**12/23/24**
			Mercury	7471B		12/26/24	12/26/24	
			Metals ICP-Group1	6010D		12/26/24	12/30/24	
P5382-02	**COMP-2**	**SOIL**			**12/20/24**			**12/23/24**
			Mercury	7471B		12/26/24	12/26/24	
			Metals ICP-Group1	6010D		12/26/24	12/30/24	
P5382-03	**COMP-3**	**SOIL**			**12/20/24**			**12/23/24**
			Mercury	7471B		12/26/24	12/26/24	
			Metals ICP-Group1	6010D		12/26/24	12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5382 **Order ID:** P5382

Client: Kleinfelder **Project ID:** Comegys School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-1								
P5382-01	COMP-1	SOIL	Aluminum	14200		2.73	5.67	mg/Kg
P5382-01	COMP-1	SOIL	Arsenic	4.48		0.33	1.13	mg/Kg
P5382-01	COMP-1	SOIL	Barium	47.4		0.73	5.67	mg/Kg
P5382-01	COMP-1	SOIL	Beryllium	1.11		0.014	0.34	mg/Kg
P5382-01	COMP-1	SOIL	Boron	15.5		0.90	5.67	mg/Kg
P5382-01	COMP-1	SOIL	Chromium	29.3		0.061	0.57	mg/Kg
P5382-01	COMP-1	SOIL	Cobalt	9.74		0.066	1.70	mg/Kg
P5382-01	COMP-1	SOIL	Copper	27.8		0.53	1.13	mg/Kg
P5382-01	COMP-1	SOIL	Iron	26200		3.05	5.67	mg/Kg
P5382-01	COMP-1	SOIL	Lead	30.4		0.17	0.68	mg/Kg
P5382-01	COMP-1	SOIL	Manganese	190		0.081	1.13	mg/Kg
P5382-01	COMP-1	SOIL	Mercury	0.18		0.0070	0.015	mg/Kg
P5382-01	COMP-1	SOIL	Molybdenum	0.79	J	0.36	11.3	mg/Kg
P5382-01	COMP-1	SOIL	Nickel	14.6		0.10	2.27	mg/Kg
P5382-01	COMP-1	SOIL	Vanadium	50.0		0.31	2.27	mg/Kg
P5382-01	COMP-1	SOIL	Zinc	37.0		0.13	2.27	mg/Kg
Client ID : COMP-2								
P5382-02	COMP-2	SOIL	Aluminum	7540		2.43	5.05	mg/Kg
P5382-02	COMP-2	SOIL	Arsenic	3.29		0.29	1.01	mg/Kg
P5382-02	COMP-2	SOIL	Barium	47.1		0.65	5.05	mg/Kg
P5382-02	COMP-2	SOIL	Beryllium	0.65		0.012	0.30	mg/Kg
P5382-02	COMP-2	SOIL	Boron	8.28		0.80	5.05	mg/Kg
P5382-02	COMP-2	SOIL	Chromium	14.4		0.055	0.51	mg/Kg
P5382-02	COMP-2	SOIL	Cobalt	7.20		0.059	1.52	mg/Kg
P5382-02	COMP-2	SOIL	Copper	15.2		0.48	1.01	mg/Kg
P5382-02	COMP-2	SOIL	Iron	12600		2.72	5.05	mg/Kg
P5382-02	COMP-2	SOIL	Lead	47.3		0.15	0.61	mg/Kg
P5382-02	COMP-2	SOIL	Manganese	140		0.072	1.01	mg/Kg
P5382-02	COMP-2	SOIL	Mercury	0.28		0.0070	0.016	mg/Kg
P5382-02	COMP-2	SOIL	Molybdenum	0.50	J	0.32	10.1	mg/Kg
P5382-02	COMP-2	SOIL	Nickel	9.97		0.091	2.02	mg/Kg
P5382-02	COMP-2	SOIL	Vanadium	20.3		0.27	2.02	mg/Kg
P5382-02	COMP-2	SOIL	Zinc	30.0		0.11	2.02	mg/Kg
Client ID : COMP-3								
P5382-03	COMP-3	SOIL	Aluminum	9690		2.48	5.14	mg/Kg
P5382-03	COMP-3	SOIL	Arsenic	4.59		0.30	1.03	mg/Kg

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P5382 **Order ID:** P5382

Client: Kleinfelder **Project ID:** Comegys School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5382-03	COMP-3	SOIL	Barium	56.5		0.66	5.14	mg/Kg
P5382-03	COMP-3	SOIL	Beryllium	0.70		0.012	0.31	mg/Kg
P5382-03	COMP-3	SOIL	Boron	10.3		0.81	5.14	mg/Kg
P5382-03	COMP-3	SOIL	Chromium	18.7		0.056	0.51	mg/Kg
P5382-03	COMP-3	SOIL	Cobalt	7.59		0.060	1.54	mg/Kg
P5382-03	COMP-3	SOIL	Copper	17.7		0.48	1.03	mg/Kg
P5382-03	COMP-3	SOIL	Iron	16800		2.76	5.14	mg/Kg
P5382-03	COMP-3	SOIL	Lead	49.1		0.15	0.62	mg/Kg
P5382-03	COMP-3	SOIL	Manganese	250		0.073	1.03	mg/Kg
P5382-03	COMP-3	SOIL	Mercury	0.30		0.0070	0.016	mg/Kg
P5382-03	COMP-3	SOIL	Molybdenum	0.39	J	0.33	10.3	mg/Kg
P5382-03	COMP-3	SOIL	Nickel	10.8		0.093	2.06	mg/Kg
P5382-03	COMP-3	SOIL	Vanadium	25.6		0.28	2.06	mg/Kg
P5382-03	COMP-3	SOIL	Zinc	49.4		0.11	2.06	mg/Kg

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

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

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	14200		1	2.73	5.67	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-36-0	Antimony	0.17	UN	1	0.17	2.84	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-38-2	Arsenic	4.48		1	0.33	1.13	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-39-3	Barium	47.4	N	1	0.73	5.67	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-41-7	Beryllium	1.11		1	0.014	0.34	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-42-8	Boron	15.5	N	1	0.90	5.67	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-43-9	Cadmium	0.018	U	1	0.018	0.34	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-47-3	Chromium	29.3		1	0.061	0.57	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-48-4	Cobalt	9.74		1	0.066	1.70	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-50-8	Copper	27.8		1	0.53	1.13	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7439-89-6	Iron	26200		1	3.05	5.67	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7439-92-1	Lead	30.4		1	0.17	0.68	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7439-96-5	Manganese	190		1	0.081	1.13	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7439-97-6	Mercury	0.18		1	0.0070	0.015	mg/Kg	12/26/24 09:44	12/26/24 13:40	SW7471B	
7439-98-7	Molybdenum	0.79	J	1	0.36	11.3	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-02-0	Nickel	14.6		1	0.10	2.27	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7782-49-2	Selenium	0.37	UN	1	0.37	1.13	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-22-4	Silver	0.059	UN	1	0.059	0.57	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-28-0	Thallium	0.50	U	1	0.50	2.27	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-62-2	Vanadium	50.0	N	1	0.31	2.27	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050
7440-66-6	Zinc	37.0		1	0.13	2.27	mg/Kg	12/26/24 14:45	12/30/24 15:06	SW6010	SW3050

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-2	SDG No.:	P5382
Lab Sample ID:	P5382-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7540		1	2.43	5.05	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-36-0	Antimony	0.15	UN	1	0.15	2.53	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-38-2	Arsenic	3.29		1	0.29	1.01	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-39-3	Barium	47.1	N	1	0.65	5.05	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-41-7	Beryllium	0.65		1	0.012	0.30	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-42-8	Boron	8.28	N	1	0.80	5.05	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-43-9	Cadmium	0.016	U	1	0.016	0.30	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-47-3	Chromium	14.4		1	0.055	0.51	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-48-4	Cobalt	7.20		1	0.059	1.52	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-50-8	Copper	15.2		1	0.48	1.01	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7439-89-6	Iron	12600		1	2.72	5.05	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7439-92-1	Lead	47.3		1	0.15	0.61	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7439-96-5	Manganese	140		1	0.072	1.01	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7439-97-6	Mercury	0.28		1	0.0070	0.016	mg/Kg	12/26/24 09:44	12/26/24 13:56	SW7471B	
7439-98-7	Molybdenum	0.50	J	1	0.32	10.1	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-02-0	Nickel	9.97		1	0.091	2.02	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7782-49-2	Selenium	0.33	UN	1	0.33	1.01	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-22-4	Silver	0.053	UN	1	0.053	0.51	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-28-0	Thallium	0.44	U	1	0.44	2.02	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-62-2	Vanadium	20.3	N	1	0.27	2.02	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050
7440-66-6	Zinc	30.0		1	0.11	2.02	mg/Kg	12/26/24 14:45	12/30/24 15:11	SW6010	SW3050

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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

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

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3	SDG No.:	P5382
Lab Sample ID:	P5382-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	82.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9690		1	2.48	5.14	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-36-0	Antimony	0.15	UN	1	0.15	2.57	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-38-2	Arsenic	4.59		1	0.30	1.03	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-39-3	Barium	56.5	N	1	0.66	5.14	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-41-7	Beryllium	0.70		1	0.012	0.31	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-42-8	Boron	10.3	N	1	0.81	5.14	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-43-9	Cadmium	0.016	U	1	0.016	0.31	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-47-3	Chromium	18.7		1	0.056	0.51	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-48-4	Cobalt	7.59		1	0.060	1.54	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-50-8	Copper	17.7		1	0.48	1.03	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7439-89-6	Iron	16800		1	2.76	5.14	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7439-92-1	Lead	49.1		1	0.15	0.62	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7439-96-5	Manganese	250		1	0.073	1.03	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7439-97-6	Mercury	0.30		1	0.0070	0.016	mg/Kg	12/26/24 09:44	12/26/24 13:59	SW7471B	
7439-98-7	Molybdenum	0.39	J	1	0.33	10.3	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-02-0	Nickel	10.8		1	0.093	2.06	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7782-49-2	Selenium	0.34	UN	1	0.34	1.03	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-22-4	Silver	0.053	UN	1	0.053	0.51	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-28-0	Thallium	0.45	U	1	0.45	2.06	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-62-2	Vanadium	25.6	N	1	0.28	2.06	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050
7440-66-6	Zinc	49.4		1	0.11	2.06	mg/Kg	12/26/24 14:45	12/30/24 15:15	SW6010	SW3050

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

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

METAL CALIBRATION DATA

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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
ICV31	Mercury	4.08	4.0	102	90 - 110	CV	12/26/2024	13:10	LB134086

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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
CCV67	Mercury	5.09	5.0	102	90 - 110	CV	12/26/2024	13:15	LB134086
CCV68	Mercury	5.06	5.0	101	90 - 110	CV	12/26/2024	13:52	LB134086
CCV69	Mercury	5.11	5.0	102	90 - 110	CV	12/26/2024	14:12	LB134086

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	2460	2500	98	90 - 110	P	12/30/2024	14:20	LB134129
	Antimony	971	1000	97	90 - 110	P	12/30/2024	14:20	LB134129
	Arsenic	1020	1000	102	90 - 110	P	12/30/2024	14:20	LB134129
	Barium	491	520	94	90 - 110	P	12/30/2024	14:20	LB134129
	Beryllium	488	510	96	90 - 110	P	12/30/2024	14:20	LB134129
	Boron	2320	2500	93	90 - 110	P	12/30/2024	14:20	LB134129
	Cadmium	511	510	100	90 - 110	P	12/30/2024	14:20	LB134129
	Chromium	536	520	103	90 - 110	P	12/30/2024	14:20	LB134129
	Cobalt	517	520	99	90 - 110	P	12/30/2024	14:20	LB134129
	Copper	517	510	102	90 - 110	P	12/30/2024	14:20	LB134129
	Iron	10300	10000	103	90 - 110	P	12/30/2024	14:20	LB134129
	Lead	1010	1000	101	90 - 110	P	12/30/2024	14:20	LB134129
	Manganese	501	520	96	90 - 110	P	12/30/2024	14:20	LB134129
	Molybdenum	2460	2500	98	90 - 110	P	12/30/2024	14:20	LB134129
	Nickel	519	530	98	90 - 110	P	12/30/2024	14:20	LB134129
	Selenium	989	1000	99	90 - 110	P	12/30/2024	14:20	LB134129
	Silver	259	250	104	90 - 110	P	12/30/2024	14:20	LB134129
	Thallium	1020	1000	102	90 - 110	P	12/30/2024	14:20	LB134129
	Vanadium	478	500	96	90 - 110	P	12/30/2024	14:20	LB134129
	Zinc	1040	1000	104	90 - 110	P	12/30/2024	14:20	LB134129

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	105	100	105	80 - 120	P	12/30/2024	14:24	LB134129
	Antimony	48.7	50.0	97	80 - 120	P	12/30/2024	14:24	LB134129
	Arsenic	20.7	20.0	104	80 - 120	P	12/30/2024	14:24	LB134129
	Barium	92.2	100	92	80 - 120	P	12/30/2024	14:24	LB134129
	Beryllium	5.77	6.0	96	80 - 120	P	12/30/2024	14:24	LB134129
	Boron	112	100	112	80 - 120	P	12/30/2024	14:24	LB134129
	Cadmium	6.21	6.0	104	80 - 120	P	12/30/2024	14:24	LB134129
	Chromium	9.47	10.0	95	80 - 120	P	12/30/2024	14:24	LB134129
	Cobalt	29.8	30.0	99	80 - 120	P	12/30/2024	14:24	LB134129
	Copper	21.6	20.0	108	80 - 120	P	12/30/2024	14:24	LB134129
	Iron	90.5	100	90	80 - 120	P	12/30/2024	14:24	LB134129
	Lead	11.3	12.0	94	80 - 120	P	12/30/2024	14:24	LB134129
	Manganese	19.5	20.0	98	80 - 120	P	12/30/2024	14:24	LB134129
	Molybdenum	197	200	98	80 - 120	P	12/30/2024	14:24	LB134129
	Nickel	40.1	40.0	100	80 - 120	P	12/30/2024	14:24	LB134129
	Selenium	18.4	20.0	92	80 - 120	P	12/30/2024	14:24	LB134129
	Silver	10.2	10.0	102	80 - 120	P	12/30/2024	14:24	LB134129
	Thallium	38.3	40.0	96	80 - 120	P	12/30/2024	14:24	LB134129
	Vanadium	38.4	40.0	96	80 - 120	P	12/30/2024	14:24	LB134129
	Zinc	42.2	40.0	105	80 - 120	P	12/30/2024	14:24	LB134129

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	9360	10000	94	90 - 110	P	12/30/2024	14:49	LB134129
	Antimony	4670	5000	94	90 - 110	P	12/30/2024	14:49	LB134129
	Arsenic	4640	5000	93	90 - 110	P	12/30/2024	14:49	LB134129
	Barium	9260	10000	93	90 - 110	P	12/30/2024	14:49	LB134129
	Beryllium	244	250	98	90 - 110	P	12/30/2024	14:49	LB134129
	Boron	4850	5000	97	90 - 110	P	12/30/2024	14:49	LB134129
	Cadmium	2370	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Chromium	972	1000	97	90 - 110	P	12/30/2024	14:49	LB134129
	Cobalt	2360	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Copper	1180	1250	94	90 - 110	P	12/30/2024	14:49	LB134129
	Iron	4690	5000	94	90 - 110	P	12/30/2024	14:49	LB134129
	Lead	4730	5000	95	90 - 110	P	12/30/2024	14:49	LB134129
	Manganese	2360	2500	94	90 - 110	P	12/30/2024	14:49	LB134129
	Molybdenum	4730	5000	95	90 - 110	P	12/30/2024	14:49	LB134129
	Nickel	2370	2500	95	90 - 110	P	12/30/2024	14:49	LB134129
	Selenium	4610	5000	92	90 - 110	P	12/30/2024	14:49	LB134129
	Silver	1200	1250	96	90 - 110	P	12/30/2024	14:49	LB134129
	Thallium	4530	5000	91	90 - 110	P	12/30/2024	14:49	LB134129
	Vanadium	2350	2500	94	90 - 110	P	12/30/2024	14:49	LB134129
	Zinc	2400	2500	96	90 - 110	P	12/30/2024	14:49	LB134129
CCV02	Aluminum	9460	10000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Antimony	4790	5000	96	90 - 110	P	12/30/2024	15:19	LB134129
	Arsenic	4750	5000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Barium	9410	10000	94	90 - 110	P	12/30/2024	15:19	LB134129
	Beryllium	247	250	99	90 - 110	P	12/30/2024	15:19	LB134129
	Boron	4860	5000	97	90 - 110	P	12/30/2024	15:19	LB134129
	Cadmium	2440	2500	98	90 - 110	P	12/30/2024	15:19	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	15:19	LB134129
	Cobalt	2420	2500	97	90 - 110	P	12/30/2024	15:19	LB134129
	Copper	1200	1250	96	90 - 110	P	12/30/2024	15:19	LB134129
	Iron	4960	5000	99	90 - 110	P	12/30/2024	15:19	LB134129
	Lead	4860	5000	97	90 - 110	P	12/30/2024	15:19	LB134129
	Manganese	2390	2500	96	90 - 110	P	12/30/2024	15:19	LB134129
	Molybdenum	4850	5000	97	90 - 110	P	12/30/2024	15:19	LB134129

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	2430	2500	97	90 - 110	P	12/30/2024	15:19	LB134129
	Selenium	4750	5000	95	90 - 110	P	12/30/2024	15:19	LB134129
	Silver	1240	1250	99	90 - 110	P	12/30/2024	15:19	LB134129
	Thallium	4930	5000	99	90 - 110	P	12/30/2024	15:19	LB134129
	Vanadium	2400	2500	96	90 - 110	P	12/30/2024	15:19	LB134129
	Zinc	2460	2500	98	90 - 110	P	12/30/2024	15:19	LB134129
CCV03	Aluminum	9260	10000	93	90 - 110	P	12/30/2024	16:12	LB134129
	Antimony	4910	5000	98	90 - 110	P	12/30/2024	16:12	LB134129
	Arsenic	4850	5000	97	90 - 110	P	12/30/2024	16:12	LB134129
	Barium	9200	10000	92	90 - 110	P	12/30/2024	16:12	LB134129
	Beryllium	242	250	97	90 - 110	P	12/30/2024	16:12	LB134129
	Boron	4750	5000	95	90 - 110	P	12/30/2024	16:12	LB134129
	Cadmium	2460	2500	98	90 - 110	P	12/30/2024	16:12	LB134129
	Chromium	980	1000	98	90 - 110	P	12/30/2024	16:12	LB134129
	Cobalt	2410	2500	96	90 - 110	P	12/30/2024	16:12	LB134129
	Copper	1210	1250	97	90 - 110	P	12/30/2024	16:12	LB134129
	Iron	4740	5000	95	90 - 110	P	12/30/2024	16:12	LB134129
	Lead	4830	5000	97	90 - 110	P	12/30/2024	16:12	LB134129
	Manganese	2330	2500	93	90 - 110	P	12/30/2024	16:12	LB134129
	Molybdenum	4790	5000	96	90 - 110	P	12/30/2024	16:12	LB134129
	Nickel	2420	2500	97	90 - 110	P	12/30/2024	16:12	LB134129
	Selenium	4960	5000	99	90 - 110	P	12/30/2024	16:12	LB134129
	Silver	1200	1250	96	90 - 110	P	12/30/2024	16:12	LB134129
	Thallium	4810	5000	96	90 - 110	P	12/30/2024	16:12	LB134129
	Vanadium	2350	2500	94	90 - 110	P	12/30/2024	16:12	LB134129
	Zinc	2370	2500	95	90 - 110	P	12/30/2024	16:12	LB134129
CCV04	Aluminum	9370	10000	94	90 - 110	P	12/30/2024	17:04	LB134129
	Antimony	4880	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Arsenic	4780	5000	96	90 - 110	P	12/30/2024	17:04	LB134129
	Barium	9090	10000	91	90 - 110	P	12/30/2024	17:04	LB134129
	Beryllium	257	250	103	90 - 110	P	12/30/2024	17:04	LB134129
	Boron	4920	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Cadmium	2520	2500	101	90 - 110	P	12/30/2024	17:04	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	17:04	LB134129

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	2440	2500	98	90 - 110	P	12/30/2024	17:04	LB134129
	Copper	1190	1250	95	90 - 110	P	12/30/2024	17:04	LB134129
	Iron	4750	5000	95	90 - 110	P	12/30/2024	17:04	LB134129
	Lead	4900	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Manganese	2350	2500	94	90 - 110	P	12/30/2024	17:04	LB134129
	Molybdenum	4780	5000	96	90 - 110	P	12/30/2024	17:04	LB134129
	Nickel	2450	2500	98	90 - 110	P	12/30/2024	17:04	LB134129
	Selenium	4930	5000	98	90 - 110	P	12/30/2024	17:04	LB134129
	Silver	1220	1250	97	90 - 110	P	12/30/2024	17:04	LB134129
	Thallium	4840	5000	97	90 - 110	P	12/30/2024	17:04	LB134129
	Vanadium	2390	2500	96	90 - 110	P	12/30/2024	17:04	LB134129
	Zinc	2400	2500	96	90 - 110	P	12/30/2024	17:04	LB134129
CCV05	Aluminum	9420	10000	94	90 - 110	P	12/30/2024	17:54	LB134129
	Antimony	4930	5000	99	90 - 110	P	12/30/2024	17:54	LB134129
	Arsenic	4790	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Barium	9080	10000	91	90 - 110	P	12/30/2024	17:54	LB134129
	Beryllium	257	250	103	90 - 110	P	12/30/2024	17:54	LB134129
	Boron	4960	5000	99	90 - 110	P	12/30/2024	17:54	LB134129
	Cadmium	2520	2500	101	90 - 110	P	12/30/2024	17:54	LB134129
	Chromium	999	1000	100	90 - 110	P	12/30/2024	17:54	LB134129
	Cobalt	2430	2500	97	90 - 110	P	12/30/2024	17:54	LB134129
	Copper	1200	1250	96	90 - 110	P	12/30/2024	17:54	LB134129
	Iron	4740	5000	95	90 - 110	P	12/30/2024	17:54	LB134129
	Lead	4900	5000	98	90 - 110	P	12/30/2024	17:54	LB134129
	Manganese	2360	2500	94	90 - 110	P	12/30/2024	17:54	LB134129
	Molybdenum	4790	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Nickel	2440	2500	98	90 - 110	P	12/30/2024	17:54	LB134129
	Selenium	4950	5000	99	90 - 110	P	12/30/2024	17:54	LB134129
	Silver	1220	1250	98	90 - 110	P	12/30/2024	17:54	LB134129
	Thallium	4800	5000	96	90 - 110	P	12/30/2024	17:54	LB134129
	Vanadium	2390	2500	96	90 - 110	P	12/30/2024	17:54	LB134129
	Zinc	2410	2500	96	90 - 110	P	12/30/2024	17:54	LB134129
CCV06	Aluminum	9560	10000	96	90 - 110	P	12/30/2024	18:44	LB134129
	Antimony	4900	5000	98	90 - 110	P	12/30/2024	18:44	LB134129

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	4710	5000	94	90 - 110	P	12/30/2024	18:44	LB134129
	Barium	9140	10000	91	90 - 110	P	12/30/2024	18:44	LB134129
	Beryllium	263	250	105	90 - 110	P	12/30/2024	18:44	LB134129
	Boron	5080	5000	102	90 - 110	P	12/30/2024	18:44	LB134129
	Cadmium	2490	2500	100	90 - 110	P	12/30/2024	18:44	LB134129
	Chromium	996	1000	100	90 - 110	P	12/30/2024	18:44	LB134129
	Cobalt	2410	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
	Copper	1180	1250	94	90 - 110	P	12/30/2024	18:44	LB134129
	Iron	4670	5000	93	90 - 110	P	12/30/2024	18:44	LB134129
	Lead	4840	5000	97	90 - 110	P	12/30/2024	18:44	LB134129
	Manganese	2380	2500	95	90 - 110	P	12/30/2024	18:44	LB134129
	Molybdenum	4760	5000	95	90 - 110	P	12/30/2024	18:44	LB134129
	Nickel	2410	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
	Selenium	4910	5000	98	90 - 110	P	12/30/2024	18:44	LB134129
	Silver	1220	1250	98	90 - 110	P	12/30/2024	18:44	LB134129
	Thallium	4790	5000	96	90 - 110	P	12/30/2024	18:44	LB134129
	Vanadium	2410	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
	Zinc	2400	2500	96	90 - 110	P	12/30/2024	18:44	LB134129
CCV07	Aluminum	9400	10000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Antimony	4920	5000	98	90 - 110	P	12/30/2024	19:24	LB134129
	Arsenic	4710	5000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Barium	9770	10000	98	90 - 110	P	12/30/2024	19:24	LB134129
	Beryllium	271	250	108	90 - 110	P	12/30/2024	19:24	LB134129
	Boron	5190	5000	104	90 - 110	P	12/30/2024	19:24	LB134129
	Cadmium	2530	2500	101	90 - 110	P	12/30/2024	19:24	LB134129
	Chromium	1000	1000	100	90 - 110	P	12/30/2024	19:24	LB134129
	Cobalt	2420	2500	97	90 - 110	P	12/30/2024	19:24	LB134129
	Copper	1180	1250	94	90 - 110	P	12/30/2024	19:24	LB134129
	Iron	4610	5000	92	90 - 110	P	12/30/2024	19:24	LB134129
	Lead	4870	5000	97	90 - 110	P	12/30/2024	19:24	LB134129
	Manganese	2380	2500	95	90 - 110	P	12/30/2024	19:24	LB134129
	Molybdenum	4720	5000	94	90 - 110	P	12/30/2024	19:24	LB134129
	Nickel	2420	2500	97	90 - 110	P	12/30/2024	19:24	LB134129
	Selenium	4970	5000	99	90 - 110	P	12/30/2024	19:24	LB134129

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1220	1250	97	90 - 110	P	12/30/2024	19:24	LB134129
	Thallium	4740	5000	95	90 - 110	P	12/30/2024	19:24	LB134129
	Vanadium	2400	2500	96	90 - 110	P	12/30/2024	19:24	LB134129
	Zinc	2370	2500	95	90 - 110	P	12/30/2024	19:24	LB134129

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CRDL STANDARD FOR AA & ICP

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	0.16	0.2	82	40 - 160	CV	12/26/2024	13:19	LB134086
CRI01	Aluminum	93.7	100	94	40 - 160	P	12/30/2024	14:32	LB134129
	Antimony	46.6	50.0	93	40 - 160	P	12/30/2024	14:32	LB134129
	Arsenic	21.1	20.0	105	40 - 160	P	12/30/2024	14:32	LB134129
	Barium	91.3	100	91	40 - 160	P	12/30/2024	14:32	LB134129
	Beryllium	5.68	6.0	95	40 - 160	P	12/30/2024	14:32	LB134129
	Boron	97.7	100	98	40 - 160	P	12/30/2024	14:32	LB134129
	Cadmium	6.07	6.0	101	40 - 160	P	12/30/2024	14:32	LB134129
	Chromium	9.09	10.0	91	40 - 160	P	12/30/2024	14:32	LB134129
	Cobalt	29.0	30.0	96	40 - 160	P	12/30/2024	14:32	LB134129
	Copper	20.6	20.0	103	40 - 160	P	12/30/2024	14:32	LB134129
	Iron	95.3	100	95	40 - 160	P	12/30/2024	14:32	LB134129
	Lead	11.3	12.0	94	40 - 160	P	12/30/2024	14:32	LB134129
	Manganese	19.2	20.0	96	40 - 160	P	12/30/2024	14:32	LB134129
	Molybdenum	197	200	99	40 - 160	P	12/30/2024	14:32	LB134129
	Nickel	38.7	40.0	97	40 - 160	P	12/30/2024	14:32	LB134129
	Selenium	17.9	20.0	89	40 - 160	P	12/30/2024	14:32	LB134129
	Silver	10.4	10.0	104	40 - 160	P	12/30/2024	14:32	LB134129
	Thallium	37.1	40.0	93	40 - 160	P	12/30/2024	14:32	LB134129
	Vanadium	37.7	40.0	94	40 - 160	P	12/30/2024	14:32	LB134129
	Zinc	41.1	40.0	103	40 - 160	P	12/30/2024	14:32	LB134129

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB31	Mercury	0.20	+/-0.20	U	0.20	CV	12/26/2024	13:13	LB134086

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB67	Mercury	0.20	+/-0.20	U	0.20	CV	12/26/2024	13:17	LB134086
CCB68	Mercury	0.20	+/-0.20	U	0.20	CV	12/26/2024	13:54	LB134086
CCB69	Mercury	0.20	+/-0.20	U	0.20	CV	12/26/2024	14:14	LB134086

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	12/30/2024	14:28	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	14:28	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	14:28	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	14:28	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	14:28	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	14:28	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	14:28	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	14:28	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	14:28	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	14:28	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	14:28	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	14:28	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	14:28	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	14:28	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	14:28	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	14:28	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	14:28	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	14:28	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	14:28	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	14:28	LB134129

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	12/30/2024	14:53	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	14:53	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	14:53	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	14:53	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	14:53	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	14:53	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	14:53	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	14:53	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	14:53	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	14:53	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	14:53	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	14:53	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	14:53	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	14:53	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	14:53	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	14:53	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	14:53	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	14:53	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	14:53	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	14:53	LB134129
CCB02	Aluminum	100	+/-100	U	100	P	12/30/2024	15:23	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	15:23	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	15:23	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	15:23	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	15:23	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	15:23	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	15:23	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	15:23	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	15:23	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	15:23	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	15:23	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	15:23	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	15:23	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	15:23	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	15:23	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	15:23	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	15:23	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	15:23	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	15:23	LB134129

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	12/30/2024	15:23	LB134129
CCB03	Aluminum	100	+/-100	U	100	P	12/30/2024	16:16	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	16:16	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	16:16	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	16:16	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	16:16	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	16:16	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	16:16	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	16:16	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	16:16	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	16:16	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	16:16	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	16:16	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	16:16	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	16:16	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	16:16	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	16:16	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	16:16	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	16:16	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	16:16	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	16:16	LB134129
CCB04	Aluminum	100	+/-100	U	100	P	12/30/2024	17:08	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	17:08	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	17:08	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	17:08	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	17:08	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	17:08	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	17:08	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	17:08	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	17:08	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	17:08	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	17:08	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	17:08	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	17:08	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	17:08	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	17:08	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	17:08	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	17:08	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	17:08	LB134129

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	12/30/2024	17:08	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	17:08	LB134129
CCB05	Aluminum	100	+/-100	U	100	P	12/30/2024	17:58	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	17:58	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	17:58	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	17:58	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	17:58	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	17:58	LB134129
	Cadmium	0.24	+/-6.00	J	6.00	P	12/30/2024	17:58	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	17:58	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	17:58	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	17:58	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	17:58	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	17:58	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	17:58	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	17:58	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	17:58	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	17:58	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	17:58	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	17:58	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	17:58	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	17:58	LB134129
CCB06	Aluminum	100	+/-100	U	100	P	12/30/2024	18:48	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	18:48	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	18:48	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	18:48	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	18:48	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	18:48	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	18:48	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	18:48	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	18:48	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	18:48	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	18:48	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	18:48	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	18:48	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	18:48	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	18:48	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	18:48	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	18:48	LB134129

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	12/30/2024	18:48	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	18:48	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	18:48	LB134129
CCB07	Aluminum	100	+/-100	U	100	P	12/30/2024	19:31	LB134129
	Antimony	50.0	+/-50.0	U	50.0	P	12/30/2024	19:31	LB134129
	Arsenic	20.0	+/-20.0	U	20.0	P	12/30/2024	19:31	LB134129
	Barium	100	+/-100	U	100	P	12/30/2024	19:31	LB134129
	Beryllium	6.00	+/-6.00	U	6.00	P	12/30/2024	19:31	LB134129
	Boron	100	+/-100	U	100	P	12/30/2024	19:31	LB134129
	Cadmium	6.00	+/-6.00	U	6.00	P	12/30/2024	19:31	LB134129
	Chromium	10.0	+/-10.0	U	10.0	P	12/30/2024	19:31	LB134129
	Cobalt	30.0	+/-30.0	U	30.0	P	12/30/2024	19:31	LB134129
	Copper	20.0	+/-20.0	U	20.0	P	12/30/2024	19:31	LB134129
	Iron	100	+/-100	U	100	P	12/30/2024	19:31	LB134129
	Lead	12.0	+/-12.0	U	12.0	P	12/30/2024	19:31	LB134129
	Manganese	20.0	+/-20.0	U	20.0	P	12/30/2024	19:31	LB134129
	Molybdenum	200	+/-200	U	200	P	12/30/2024	19:31	LB134129
	Nickel	40.0	+/-40.0	U	40.0	P	12/30/2024	19:31	LB134129
	Selenium	20.0	+/-20.0	U	20.0	P	12/30/2024	19:31	LB134129
	Silver	10.0	+/-10.0	U	10.0	P	12/30/2024	19:31	LB134129
	Thallium	40.0	+/-40.0	U	40.0	P	12/30/2024	19:31	LB134129
	Vanadium	40.0	+/-40.0	U	40.0	P	12/30/2024	19:31	LB134129
	Zinc	40.0	+/-40.0	U	40.0	P	12/30/2024	19:31	LB134129

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Metals
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PREPARATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165862BL		**SOLID**		**Batch Number:**	**PB165862**		**Prep Date:**	**12/26/2024**	
	Mercury	0.013	<0.013	U	0.013	CV	12/26/2024	13:26	LB134086

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Metals
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PREPARATION BLANK SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB165863BL		**SOLID**		**Batch Number:**	**PB165863**		**Prep Date:**	**12/26/2024**	
	Aluminum	4.17	<4.17	U	4.17	P	12/30/2024	16:20	LB134129
	Antimony	2.08	<2.08	U	2.08	P	12/30/2024	16:20	LB134129
	Arsenic	0.83	<0.83	U	0.83	P	12/30/2024	16:20	LB134129
	Barium	4.17	<4.17	U	4.17	P	12/30/2024	16:20	LB134129
	Beryllium	0.25	<0.25	U	0.25	P	12/30/2024	16:20	LB134129
	Boron	4.17	<4.17	U	4.17	P	12/30/2024	16:20	LB134129
	Cadmium	0.25	<0.25	U	0.25	P	12/30/2024	16:20	LB134129
	Chromium	0.42	<0.42	U	0.42	P	12/30/2024	16:20	LB134129
	Cobalt	1.25	<1.25	U	1.25	P	12/30/2024	16:20	LB134129
	Copper	0.83	<0.83	U	0.83	P	12/30/2024	16:20	LB134129
	Iron	4.17	<4.17	U	4.17	P	12/30/2024	16:20	LB134129
	Lead	0.50	<0.50	U	0.50	P	12/30/2024	16:20	LB134129
	Manganese	0.83	<0.83	U	0.83	P	12/30/2024	16:20	LB134129
	Molybdenum	8.33	<8.33	U	8.33	P	12/30/2024	16:20	LB134129
	Nickel	1.67	<1.67	U	1.67	P	12/30/2024	16:20	LB134129
	Selenium	0.83	<0.83	U	0.83	P	12/30/2024	16:20	LB134129
	Silver	0.42	<0.42	U	0.42	P	12/30/2024	16:20	LB134129
	Thallium	1.67	<1.67	U	1.67	P	12/30/2024	16:20	LB134129
	Vanadium	1.67	<1.67	U	1.67	P	12/30/2024	16:20	LB134129
	Zinc	1.67	<1.67	U	1.67	P	12/30/2024	16:20	LB134129

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INTERFERENCE CHECK SAMPLE

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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	244000	255000	96	216000	294000	12/30/2024	14:37	LB134129
	Antimony	-5.21			-50	50	12/30/2024	14:37	LB134129
	Arsenic	6.64			-20	20	12/30/2024	14:37	LB134129
	Barium	4.90	6.0	82	-94	106	12/30/2024	14:37	LB134129
	Beryllium	1.12			-6	6	12/30/2024	14:37	LB134129
	Boron	59.9	1000	6	-100	100	12/30/2024	14:37	LB134129
	Cadmium	-4.02	1.0	402	-5	7	12/30/2024	14:37	LB134129
	Chromium	57.9	52.0	111	42	62	12/30/2024	14:37	LB134129
	Cobalt	1.51			-30	30	12/30/2024	14:37	LB134129
	Copper	21.0	2.0	1050	-18	22	12/30/2024	14:37	LB134129
	Iron	101000	101000	100	85600	116500	12/30/2024	14:37	LB134129
	Lead	7.91			-12	12	12/30/2024	14:37	LB134129
	Manganese	5.24	7.0	75	-13	27	12/30/2024	14:37	LB134129
	Molybdenum	1.18	1000		-200	200	12/30/2024	14:37	LB134129
	Nickel	2.15	2.0	108	-38	42	12/30/2024	14:37	LB134129
	Selenium	-16.6			-20	20	12/30/2024	14:37	LB134129
	Silver	-8.33			-10	10	12/30/2024	14:37	LB134129
	Thallium	8.96			-40	40	12/30/2024	14:37	LB134129
	Vanadium	9.35			-40	40	12/30/2024	14:37	LB134129
	Zinc	3.57			-40	40	12/30/2024	14:37	LB134129
ICSAB01	Aluminum	240000	247000	97	209000	285000	12/30/2024	14:45	LB134129
	Antimony	647	618	105	525	711	12/30/2024	14:45	LB134129
	Arsenic	107	104	103	88.4	120	12/30/2024	14:45	LB134129
	Barium	512	537	95	437	637	12/30/2024	14:45	LB134129
	Beryllium	532	495	108	420	570	12/30/2024	14:45	LB134129
	Boron	975	1000	98	850	1150	12/30/2024	14:45	LB134129
	Cadmium	1080	972	111	826	1120	12/30/2024	14:45	LB134129
	Chromium	617	542	114	460	624	12/30/2024	14:45	LB134129
	Cobalt	444	476	93	404	548	12/30/2024	14:45	LB134129
	Copper	554	511	108	434	588	12/30/2024	14:45	LB134129
	Iron	101000	99300	102	84400	114500	12/30/2024	14:45	LB134129
	Lead	52.7	49.0	108	37	61	12/30/2024	14:45	LB134129
	Manganese	517	507	102	430	584	12/30/2024	14:45	LB134129
	Molybdenum	1010	1000	101	850	1150	12/30/2024	14:45	LB134129
	Nickel	1090	954	114	810	1100	12/30/2024	14:45	LB134129
	Selenium	45.6	46.0	99	26	66	12/30/2024	14:45	LB134129
	Silver	226	201	112	170	232	12/30/2024	14:45	LB134129
	Thallium	107	108	99	68	148	12/30/2024	14:45	LB134129
	Vanadium	505	491	103	417	565	12/30/2024	14:45	LB134129
	Zinc	857	952	90	809	1095	12/30/2024	14:45	LB134129

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382

contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382

matrix: Solid **sample id:** P5362-01 **client id:** WC-SOIL-20241219MS

Percent Solids for Sample: 92 **Spiked ID:** P5362-01MS **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3740		3630		99.3	111		P
Antimony	mg/Kg	75 - 125	13.7		2.47	U	39.7	34	N	P
Arsenic	mg/Kg	75 - 125	32.8		2.08		39.7	77		P
Barium	mg/Kg	75 - 125	30.7		24.4		9.9	63	N	P
Beryllium	mg/Kg	75 - 125	7.99		0.35		9.9	77		P
Boron	mg/Kg	75 - 125	15.0		5.94		14.9	61	N	P
Cadmium	mg/Kg	75 - 125	8.74		0.30	U	9.9	88		P
Chromium	mg/Kg	75 - 125	25.0		9.17		19.9	80		P
Cobalt	mg/Kg	75 - 125	14.2		6.02		9.9	82		P
Copper	mg/Kg	75 - 125	178		226		14.9	-324		P
Iron	mg/Kg	75 - 125	8220		9420		150	-798		P
Lead	mg/Kg	75 - 125	237		231		49.6	11		P
Manganese	mg/Kg	75 - 125	80.2		80.9		9.9	-7		P
Molybdenum	mg/Kg	75 - 125	15.3		0.44	J	19.9	75		P
Nickel	mg/Kg	75 - 125	39.3		18.9		24.8	82		P
Selenium	mg/Kg	75 - 125	68.9		0.99	U	99.3	69	N	P
Silver	mg/Kg	75 - 125	2.36		0.49	U	3.7	64	N	P
Thallium	mg/Kg	75 - 125	83.6		1.98	U	99.3	84		P
Vanadium	mg/Kg	75 - 125	27.7		17.7		14.9	67	N	P
Zinc	mg/Kg	75 - 125	223		236		9.9	-133		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382

contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382

matrix: Solid **sample id:** P5362-01 **client id:** WC-SOIL-20241219MSD

Percent Solids for Sample: 92 **Spiked ID:** P5362-01MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	3850		3630		100	224		P
Antimony	mg/Kg	75 - 125	13.7		2.47	U	41.0	33	N	P
Arsenic	mg/Kg	75 - 125	33.1		2.08		41.0	76		P
Barium	mg/Kg	75 - 125	32.2		24.4		10.3	76		P
Beryllium	mg/Kg	75 - 125	8.17		0.35		10.3	76		P
Boron	mg/Kg	75 - 125	15.8		5.94		15.4	64	N	P
Cadmium	mg/Kg	75 - 125	8.78		0.30	U	10.3	85		P
Chromium	mg/Kg	75 - 125	25.7		9.17		20.5	81		P
Cobalt	mg/Kg	75 - 125	14.4		6.02		10.3	82		P
Copper	mg/Kg	75 - 125	180		226		15.4	-299		P
Iron	mg/Kg	75 - 125	8620		9420		150	-531		P
Lead	mg/Kg	75 - 125	241		231		51.3	19		P
Manganese	mg/Kg	75 - 125	83.6		80.9		10.3	27		P
Molybdenum	mg/Kg	75 - 125	15.7		0.44	J	20.5	75		P
Nickel	mg/Kg	75 - 125	39.9		18.9		25.6	82		P
Selenium	mg/Kg	75 - 125	68.6		0.99	U	100	69	N	P
Silver	mg/Kg	75 - 125	2.46		0.49	U	3.8	65	N	P
Thallium	mg/Kg	75 - 125	85.0		1.98	U	100	85		P
Vanadium	mg/Kg	75 - 125	28.8		17.7		15.4	72	N	P
Zinc	mg/Kg	75 - 125	230		236		10.3	-56		P

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metals
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MATRIX SPIKE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382

contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382

matrix: Solid **sample id:** P5382-01 **client id:** COMP-1MS

Percent Solids for Sample: 82.8 **Spiked ID:** P5382-01MS **Percent Solids for Spike Sample:** 82.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.44		0.18		0.31	84		CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Kleinfelder **level:** low **sdg no.:** P5382

contract: POWE02 **lab code:** CHEM **case no.:** P5382 **sas no.:** P5382

matrix: Solid **sample id:** P5382-01 **client id:** COMP-1MSD

Percent Solids for Sample: 82.8 **Spiked ID:** P5382-01MSD **Percent Solids for Spike Sample:** 82.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.48		0.18		0.31	95		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Matrix: Solid **Level:** LOW **Client ID:** WC-SOIL-20241219A

Sample ID: P5362-01 **Spiked ID:** P5362-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	13.7		2.47	U	39.5	35		P
Barium	mg/Kg	75 - 125	30.4		24.4		9.90	61		P
Boron	mg/Kg	75 - 125	14.6		5.94		14.8	59		P
Selenium	mg/Kg	75 - 125	69.5		0.99	U	98.8	70		P
Silver	mg/Kg	75 - 125	2.33		0.49	U	3.70	63		P
Vanadium	mg/Kg	75 - 125	27.4		17.7		14.8	65		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Matrix: Solid **Sample ID:** P5362-01 **Client ID:** WC-SOIL-20241219DUP

Percent Solids for Sample: 92 **Duplicate ID** P5362-01DUP **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3630		3400		7		P
Antimony	mg/Kg	20	2.47	U	2.31	U			P
Arsenic	mg/Kg	20	2.08		1.88		10		P
Barium	mg/Kg	20	24.4		22.9		6		P
Beryllium	mg/Kg	20	0.35		0.31		10		P
Boron	mg/Kg	20	5.94		5.57		6		P
Cadmium	mg/Kg	20	0.30	U	0.28	U			P
Chromium	mg/Kg	20	9.17		8.64		6		P
Cobalt	mg/Kg	20	6.02		5.73		5		P
Copper	mg/Kg	20	226		216		5		P
Iron	mg/Kg	20	9420		8950		5		P
Lead	mg/Kg	20	231		219		5		P
Manganese	mg/Kg	20	80.9		74.7		8		P
Molybdenum	mg/Kg	20	0.44	J	0.39	J	12		P
Nickel	mg/Kg	20	18.9		18.0		5		P
Selenium	mg/Kg	20	0.99	U	0.93	U			P
Silver	mg/Kg	20	0.49	U	0.46	U			P
Thallium	mg/Kg	20	1.98	U	1.85	U			P
Vanadium	mg/Kg	20	17.7		16.6		6		P
Zinc	mg/Kg	20	236		223		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Matrix: Solid **Sample ID:** P5362-01MS **Client ID:** WC-SOIL-20241219MSD

Percent Solids for Sample: 92 **Duplicate ID** P5362-01MSD **Percent Solids for Spike Sample:** 92

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	3740		3850		3		P
Antimony	mg/Kg	20	13.7		13.7		0		P
Arsenic	mg/Kg	20	32.8		33.1		1		P
Barium	mg/Kg	20	30.7		32.2		5		P
Beryllium	mg/Kg	20	7.99		8.17		2		P
Boron	mg/Kg	20	15.0		15.8		5		P
Cadmium	mg/Kg	20	8.74		8.78		0		P
Chromium	mg/Kg	20	25.0		25.7		3		P
Cobalt	mg/Kg	20	14.2		14.4		1		P
Copper	mg/Kg	20	178		180		1		P
Iron	mg/Kg	20	8220		8620		5		P
Lead	mg/Kg	20	237		241		2		P
Manganese	mg/Kg	20	80.2		83.6		4		P
Molybdenum	mg/Kg	20	15.3		15.7		3		P
Nickel	mg/Kg	20	39.3		39.9		2		P
Selenium	mg/Kg	20	68.9		68.6		0		P
Silver	mg/Kg	20	2.36		2.46		4		P
Thallium	mg/Kg	20	83.6		85.0		2		P
Vanadium	mg/Kg	20	27.7		28.8		4		P
Zinc	mg/Kg	20	223		230		3		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Matrix: Solid **Sample ID:** P5382-01 **Client ID:** COMP-1DUP

Percent Solids for Sample: 82.8 **Duplicate ID** P5382-01DUP **Percent Solids for Spike Sample:** 82.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.18		0.18		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Kleinfelder **Level:** LOW **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Matrix: Solid **Sample ID:** P5382-01MS **Client ID:** COMP-1MSD

Percent Solids for Sample: 82.8 **Duplicate ID** P5382-01MSD **Percent Solids for Spike Sample:** 82.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.44		0.48		8		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165862BS							
Mercury	mg/Kg	0.25	0.22		87	80 - 120	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB165863BS							
Aluminum	mg/Kg	83.3	74.2		89	80 - 120	P
Antimony	mg/Kg	33.3	31.7		95	80 - 120	P
Arsenic	mg/Kg	33.3	32.8		98	80 - 120	P
Barium	mg/Kg	8.3	7.41		89	80 - 120	P
Beryllium	mg/Kg	8.3	8.17		98	80 - 120	P
Boron	mg/Kg	12.5	11.8		94	80 - 120	P
Cadmium	mg/Kg	8.3	8.30		100	80 - 120	P
Chromium	mg/Kg	16.7	16.7		100	80 - 120	P
Cobalt	mg/Kg	8.3	8.11		98	80 - 120	P
Copper	mg/Kg	12.5	12.3		98	80 - 120	P
Iron	mg/Kg	130	121		93	80 - 120	P
Lead	mg/Kg	41.7	40.1		96	80 - 120	P
Manganese	mg/Kg	8.3	7.82		94	80 - 120	P
Molybdenum	mg/Kg	16.7	16.0		96	80 - 120	P
Nickel	mg/Kg	20.8	20.5		99	80 - 120	P
Selenium	mg/Kg	83.3	81.1		97	80 - 120	P
Silver	mg/Kg	3.1	3.13		101	80 - 120	P
Thallium	mg/Kg	83.3	78.6		94	80 - 120	P
Vanadium	mg/Kg	12.5	11.6		93	80 - 120	P
Zinc	mg/Kg	8.3	8.16		98	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-SOIL-20241219L

Lab Name: Chemtech Consulting Group **Contract:** POWE02

Lab Code: CHEM **Lb No.:** lb134129 **Lab Sample ID :** P5362-01L **SDG No.:** P5382

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	3630		3990		10		P
Antimony	2.47	U	12.4	U			P
Arsenic	2.08		2.41	J	16		P
Barium	24.4		27.0		11		P
Beryllium	0.35		0.37	J	8		P
Boron	5.94		5.71	J	4		P
Cadmium	0.30	U	1.48	U			P
Chromium	9.17		10.2		11		P
Cobalt	6.02		6.12	J	2		P
Copper	226		261		15		P
Iron	9420		10600		13		P
Lead	231		242		5		P
Manganese	80.9		90.5		12		P
Molybdenum	0.44	J	49.4	U	100.0		P
Nickel	18.9		19.6		3		P
Selenium	0.99	U	4.94	U			P
Silver	0.49	U	2.47	U			P
Thallium	1.98	U	9.88	U			P
Vanadium	17.7		19.7		11		P
Zinc	236		274		16		P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

COMP-1L

Lab Name: Chemtech Consulting Group **Contract:** POWE02

Lab Code: CHEM **Lb No.:** lb134086 **Lab Sample ID :** P5382-01L **SDG No.:** P5382

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.18		0.20		10		CV

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Case No.:** P5382 **SAS No.:** P5382

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

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Method:**

Case No.: P5382 **SAS No.:** P5382

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165862**						
P5382-01	COMP-1	SAM	SOLID	12/26/2024	0.57	35.0	82.80
P5382-01DUP	COMP-1DUP	DUP	SOLID	12/26/2024	0.57	35.0	82.80
P5382-01MS	COMP-1MS	MS	SOLID	12/26/2024	0.55	35.0	82.80
P5382-01MSD	COMP-1MSD	MSD	SOLID	12/26/2024	0.54	35.0	82.80
P5382-02	COMP-2	SAM	SOLID	12/26/2024	0.53	35.0	82.50
P5382-03	COMP-3	SAM	SOLID	12/26/2024	0.54	35.0	82.80
PB165862BL	PB165862BL	MB	SOLID	12/26/2024	0.55	35.0	100.00
PB165862BS	PB165862BS	LCS	SOLID	12/26/2024	0.57	35.0	100.00

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Metals
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SAMPLE PREPARATION SUMMARY

Client: Kleinfelder **SDG No.:** P5382

Contract: POWE02 **Lab Code:** CHEM **Method:**

Case No.: P5382 **SAS No.:** P5382

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB165863**						
P5362-01DUP	WC-SOIL-20241219DUP	DUP	SOLID	12/26/2024	2.35	100.0	92.00
P5362-01MS	WC-SOIL-20241219MS	MS	SOLID	12/26/2024	2.19	100.0	92.00
P5362-01MSD	WC-SOIL-20241219MSD	MSD	SOLID	12/26/2024	2.12	100.0	92.00
P5382-01	COMP-1	SAM	SOLID	12/26/2024	2.13	100.0	82.80
P5382-02	COMP-2	SAM	SOLID	12/26/2024	2.40	100.0	82.50
P5382-03	COMP-3	SAM	SOLID	12/26/2024	2.35	100.0	82.80
PB165863BL	PB165863BL	MB	SOLID	12/26/2024	2.40	100.0	100.00
PB165863BS	PB165863BS	LCS	SOLID	12/26/2024	2.40	100.0	100.00

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ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P5382 **Sas no.:** P5382 **Sdg no.:** P5382

Instrument id number: **Method:** **Run number:** LB134086

Start date: 12/26/2024 **End date:** 12/26/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1248	HG
S0.2	S0.2	1	1250	HG
S2.5	S2.5	1	1252	HG
S5	S5	1	1255	HG
S7.5	S7.5	1	1257	HG
S10	S10	1	1305	HG
ICV31	ICV31	1	1310	HG
ICB31	ICB31	1	1313	HG
CCV67	CCV67	1	1315	HG
CCB67	CCB67	1	1317	HG
CRA	CRA	1	1319	HG
PB165862BL	PB165862BL	1	1326	HG
PB165862BS	PB165862BS	1	1329	HG
P5382-01	COMP-1	1	1340	HG
P5382-01DUP	COMP-1DUP	1	1342	HG
P5382-01MS	COMP-1MS	1	1347	HG
P5382-01MSD	COMP-1MSD	1	1349	HG
CCV68	CCV68	1	1352	HG
CCB68	CCB68	1	1354	HG
P5382-02	COMP-2	1	1356	HG
P5382-03	COMP-3	1	1359	HG
P5382-01L	COMP-1L	5	1406	HG
CCV69	CCV69	1	1412	HG
CCB69	CCB69	1	1414	HG

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metals
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ANALYSIS RUN LOG

Client: Kleinfelder **Contract:** POWE02

Lab code: CHEM **Case no.:** P5382 **Sas no.:** P5382 **Sdg no.:** P5382

Instrument id number: **Method:** **Run number:** LB134129

Start date: 12/30/2024 **End date:** 12/30/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1354	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1358	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1403	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1407	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1411	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1415	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1420	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1424	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1428	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1432	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1437	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1445	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1449	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1453	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5382-01	COMP-1	1	1506	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5382-02	COMP-2	1	1511	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5382-03	COMP-3	1	1515	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1519	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1523	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5362-01DUP	WC-SOIL-20241219DUP	1	1535	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5362-01L	WC-SOIL-20241219L	5	1539	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5362-01MS	WC-SOIL-20241219MS	1	1543	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5362-01MSD	WC-SOIL-20241219MSD	1	1547	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
P5362-01A	WC-SOIL-20241219A	1	1551	Ag,B,Ba,Sb,Se,V
CCV03	CCV03	1	1612	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1616	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB165863BL	PB165863BL	1	1620	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
PB165863BS	PB165863BS	1	1625	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1704	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1708	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1754	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1758	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1844	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1848	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1924	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1931	Ag,Al,As,B,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Mo,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

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

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

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

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

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.70	J	1	1.10	5.90	mg/Kg	12/26/24 08:30	12/26/24 11:58	SM 4500-NH3 B plus G-11
Chloride	7.00	J	1	0.12	14.4	mg/Kg		12/26/24 11:19	9056A
Fluoride	6.80	J	1	0.46	9.60	mg/Kg		12/26/24 11:19	9056A
Sulfate	40.6	J	1	0.73	72.2	mg/Kg		12/26/24 11:19	9056A
Hexavalent Chromium	0.095	U	1	0.095	0.48	mg/Kg	12/26/24 09:10	12/26/24 12:24	7196A
Trivalent Chromium	29.3		1	0.60	0.60	mg/Kg		12/30/24 15:06	6010D

Comments:

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

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24 09:50
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-2	SDG No.:	P5382
Lab Sample ID:	P5382-02	Matrix:	SOIL
		% Solid:	82.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	3.00	J	1	1.00	5.80	mg/Kg	12/26/24 08:30	12/26/24 11:58	SM 4500-NH3 B plus G-11
Chloride	9.70	J	1	0.12	14.5	mg/Kg		12/26/24 12:24	9056A
Fluoride	8.60	J	1	0.46	9.70	mg/Kg		12/26/24 12:24	9056A
Sulfate	35.5	J	1	0.74	72.6	mg/Kg		12/26/24 12:24	9056A
Hexavalent Chromium	0.094	U	1	0.094	0.48	mg/Kg	12/26/24 09:10	12/26/24 12:25	7196A
Trivalent Chromium	14.4		1	0.61	0.61	mg/Kg		12/30/24 15:11	6010D

Comments:

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

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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/20/24 10:35
Project:	Comegys School	Date Received:	12/23/24
Client Sample ID:	COMP-3	SDG No.:	P5382
Lab Sample ID:	P5382-03	Matrix:	SOIL
		% Solid:	82.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	1.50	J	1	1.10	6.00	mg/Kg	12/26/24 08:30	12/26/24 11:58	SM 4500-NH3 B plus G-11
Chloride	7.20	J	1	0.12	14.4	mg/Kg		12/26/24 12:45	9056A
Fluoride	6.90	J	1	0.46	9.60	mg/Kg		12/26/24 12:45	9056A
Sulfate	33.3	J	1	0.73	72.2	mg/Kg		12/26/24 12:45	9056A
Hexavalent Chromium	0.094	U	1	0.094	0.48	mg/Kg	12/26/24 09:10	12/26/24 12:26	7196A
Trivalent Chromium	18.7		1	0.60	0.60	mg/Kg		12/30/24 15:15	6010D

Comments:

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

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

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School **RunNo.:** LB134081

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

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Initial and Continuing Calibration Verification

Client:	Kleinfelder	**SDG No.:**	P5382
Project:	Comegys School	**RunNo.:**	LB134085

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

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Initial and Continuing Calibration Verification

Client:	Kleinfelder	**SDG No.:**	P5382
Project:	Comegys School	**RunNo.:**	LB134087

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

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Initial and Continuing Calibration Blank Summary

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School **RunNo.:** LB134081

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

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Initial and Continuing Calibration Blank Summary

Client:	Kleinfelder	**SDG No.:**	P5382
Project:	Comegys School	**RunNo.:**	LB134085

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

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Initial and Continuing Calibration Blank Summary

Client:	Kleinfelder	**SDG No.:**	P5382
Project:	Comegys School	**RunNo.:**	LB134087

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

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Preparation Blank Summary

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School

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

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Matrix Spike Summary

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

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	61.7		1.70	J	59.2	1	101		12/26/2024
Bromide	mg/Kg	80-120	256		0.59	U	240	1	107		12/26/2024
Chloride	mg/Kg	80-120	80.6		7.00	J	72	1	102		12/26/2024
Fluoride	mg/Kg	80-120	51.7		6.80	J	48	1	94		12/26/2024
Nitrite	mg/Kg	80-120	76.4		0.23	U	72	1	106		12/26/2024
Nitrate	mg/Kg	80-120	63.9		4.40	J	60	1	99		12/26/2024
Sulfate	mg/Kg	80-120	393		40.6	J	360	1	98		12/26/2024
Orthophosphate as P	mg/Kg	80-120	111		0.29	U	120	1	92		12/26/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Comegys School
Client ID: COMP-1MSD

SDG No.: P5382
Sample ID: P5382-01
Percent Solids for Spike Sample: 82.8

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/Kg	75-125	59.5		1.70	J	58.6	1	99		12/26/2024
Bromide	mg/Kg	80-120	255		0.59	U	240	1	106		12/26/2024
Chloride	mg/Kg	80-120	81.4		7.00	J	72	1	103		12/26/2024
Fluoride	mg/Kg	80-120	52.1		6.80	J	48	1	94		12/26/2024
Nitrite	mg/Kg	80-120	76.4		0.23	U	72	1	106		12/26/2024
Nitrate	mg/Kg	80-120	64.1		4.40	J	60	1	99		12/26/2024
Sulfate	mg/Kg	80-120	393		40.6	J	360	1	98		12/26/2024
Orthophosphate as P	mg/Kg	80-120	107		0.29	U	120	1	89		12/26/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Comegys School
Client ID: OK-02-12232024MS

SDG No.: P5382
Sample ID: P5383-01
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1360		0.085	U	1390	40	98		12/26/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Comegys School
Client ID: OK-02-12232024MS
SDG No.: P5382
Sample ID: P5383-01
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	41.7		0.085	U	43.3	2	96		12/26/2024

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Matrix Spike Summary

Client: Kleinfelder
Project: Comegys School
Client ID: OK-02-12232024MS

SDG No.: P5382
Sample ID: P5383-01
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	34.7		0.085	U	43.3	2	80		12/26/2024

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Duplicate Sample Summary

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

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	1.70	J	1.50	J	1	12		12/26/2024

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Duplicate Sample Summary

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

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

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Duplicate Sample Summary

Client: Kleinfelder
Project: Comegys School
Client ID: OK-02-12232024DUP
SDG No.: P5382
Sample ID: P5383-01
Percent Solids for Spike Sample: 92.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.085	U	0.085	U	1	0		12/26/2024

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Laboratory Control Sample Summary

Client: Kleinfelder **SDG No.:** P5382

Project: Comegys School **Run No.:** LB134081

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

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Laboratory Control Sample Summary

Client:	Kleinfelder	**SDG No.:**	P5382
Project:	Comegys School	**Run No.:**	LB134087

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

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Laboratory Control Sample Summary

Client:	Kleinfelder	**SDG No.:**	P5382
Project:	Comegys School	**Run No.:**	LB134085

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

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. P5382
QUOTE NO.
COC Number 2041561

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11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 25 Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: JC Comegys School
PROJECT NO. 20005163.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 4 (QC + Full Raw Data)
- ☑ Level 2 (Results + QC)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

PADEP List Full Parameters Leave Full On Hold

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	COMP-1	Soil	✓		12/20/24	9:15	3	✓									*4
2.	COMP-2	↓	↓		↓	9:50	↓	↓									*5
3.	COMP-3	↓	↓		↓	10:35	↓	↓									*4
4.	SB-1	↓		✓	↓	9:25	1		✓								
5.	SB-2	↓		↓	↓	9:00	↓		↓								
6.	SB-3	↓		↓	↓	9:30	↓		↓								
7.	SB-4	↓		↓	↓	9:10	↓		↓								
8.	SB-5	↓		↓	↓	9:05	↓		↓								
9.	SB-6	↓		↓	↓	8:30	↓		↓								
10.	SB-7	↓		↓	↓	9:40	↓		↓								

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12/20/24 12:45	1.
2. FedEx	1128 12/23/24	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.6°C °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☑ Other Fed Ex
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

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www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P5382
COC Number 2041560

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11.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelter
ADDRESS: 2 S Gold Drive
CITY Hamilton STATE: NJ ZIP: 08691
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Comegys School
PROJECT NO.: 24005163.001A LOCATION: Philadelphia, PA
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelter.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

On Hold

PRESERVATIVES: E

COMMENTS: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	SB-8	So.		✓	12/20/24	9:45	1	✓								
2.	SB-9	↓		↓	↓	10:00	↓	↓								
3.	SB-10	↓		↓	↓	10:15	↓	↓								
4.	SB-11	↓		↓	↓	10:30	↓	↓								
5.	SB-12	↓		↓	↓	10:05	↓	↓								
6.																
7.																
8.																
9.																
10.																

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12/20/24 12:45	1.
2. FedEx	1128 12/23/24	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 1.6°C °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☑ Other FedEx
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5382 POWE02
Client Name : Kleinfelder
Client Contact : Mark Warchol
Invoice Name : Kleinfelder
Invoice Contact : Mark Warchol

Order Date : 12/23/2024 11:39:00 AM
Project Name : ~~Tanner G. Duckrey Public S~~Comegys School
Receive DateTime : 12/23/2024 11:28:00 AM
Purchase Order :

Project Mgr :
Report Type : Results+QC
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5382-01	COMP-1	Solid	12/20/2024	09:15					
					VOCMS Group1		8260D		5 Bus. Days
P5382-02	COMP-2	Solid	12/20/2024	09:50					
					VOCMS Group1		8260D		5 Bus. Days
P5382-03	COMP-3	Solid	12/20/2024	10:35					
					VOCMS Group1		8260D		5 Bus. Days
~~P5382-08~~	~~SB-5~~	~~Solid~~	~~12/20/2024~~	~~09:05~~					
					VOCMS Group1		8260D		5 Bus. Days

Relinguished By :
Date / Time : 12/23/24 1240

Received By :
Date / Time : 12.23.24 12:40

Storage Area : **VOA Refridgerator Room**