

LAB CHRONICLE

OrderID:	Q2795	OrderDate:	8/7/2025 11:57:00 AM
Client:	Kleinfelder	Project:	Girard School - PA
Contact:	Mark Warchol	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2795-01	COMP-1	SOIL	VOCMS Group1	8260D	08/06/25		08/07/25	08/07/25
Q2795-02	COMP-2	SOIL	VOCMS Group1	8260D	08/06/25		08/07/25	08/07/25
Q2795-03	COMP-3	SOIL	VOCMS Group1	8260D	08/06/25		08/07/25	08/07/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2795
Client: Kleinfelder

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



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/06/25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-1	SDG No.:	Q2795
Lab Sample ID:	Q2795-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.5
Sample Wt/Vol:	5.72 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:	Date Analyzed	Prep Batch ID
VW032042.D	1	08/07/25 14:04	VW080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.79	U	0.79	5.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.99	U	0.99	5.30	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.30	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.30	ug/Kg
108-88-3	Toluene	0.83	U	0.83	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
1330-20-7	Total Xylenes	2.17	U	2.17	15.9	ug/Kg
98-82-8	Isopropylbenzene	0.83	U	0.83	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.2		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		17 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	7.965			
540-36-3	1,4-Difluorobenzene	356000	8.849			
3114-55-4	Chlorobenzene-d5	345000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/06/25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-2	SDG No.:	Q2795
Lab Sample ID:	Q2795-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.8
Sample Wt/Vol:	5.09 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:	Date Analyzed	Prep Batch ID
VW032043.D	1	08/07/25 14:26	VW080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.91	6.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.10	U	1.10	6.10	ug/Kg
71-43-2	Benzene	0.96	U	0.96	6.10	ug/Kg
79-01-6	Trichloroethene	0.98	U	0.98	6.10	ug/Kg
108-88-3	Toluene	0.95	U	0.95	6.10	ug/Kg
100-41-4	Ethyl Benzene	0.81	U	0.81	6.10	ug/Kg
1330-20-7	Total Xylenes	2.50	U	2.50	18.3	ug/Kg
98-82-8	Isopropylbenzene	0.95	U	0.95	6.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	46.3		70 - 134	93%	SPK: 50
2037-26-5	Toluene-d8	44.7		74 - 123	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		17 - 146	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	7.959			
540-36-3	1,4-Difluorobenzene	382000	8.849			
3114-55-4	Chlorobenzene-d5	370000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.556			

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Report of Analysis

Client:	Kleinfelder	Date Collected:	08/06/25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-3	SDG No.:	Q2795
Lab Sample ID:	Q2795-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82
Sample Wt/Vol:	5.56 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:	Date Analyzed	Prep Batch ID
VW032044.D	1	08/07/25 14:48	VW080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.82	U	0.82	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.50	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.50	ug/Kg
1330-20-7	Total Xylenes	2.30	U	2.30	16.5	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.3		63 - 155	107%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	46.4		74 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		17 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	7.965			
540-36-3	1,4-Difluorobenzene	379000	8.849			
3114-55-4	Chlorobenzene-d5	364000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2795

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2795-01	COMP-1	1,2-Dichloroethane-d4	50	50.8	102		63	155
		Dibromofluoromethane	50	49.3	99		70	134
		Toluene-d8	50	48.2	96		74	123
		4-Bromofluorobenzene	50	46.5	93		17	146
Q2795-02	COMP-2	1,2-Dichloroethane-d4	50	51.0	102		63	155
		Dibromofluoromethane	50	46.3	93		70	134
		Toluene-d8	50	44.7	89		74	123
		4-Bromofluorobenzene	50	45.4	91		17	146
Q2795-03	COMP-3	1,2-Dichloroethane-d4	50	53.3	107		63	155
		Dibromofluoromethane	50	48.5	97		70	134
		Toluene-d8	50	46.4	93		74	123
		4-Bromofluorobenzene	50	46.5	93		17	146
VW0807SBL01	VW0807SBL01	1,2-Dichloroethane-d4	50	50.1	100		63	155
		Dibromofluoromethane	50	47.2	94		70	134
		Toluene-d8	50	45.7	91		74	123
		4-Bromofluorobenzene	50	44.0	88		17	146
VW0807SBS01	VW0807SBS01	1,2-Dichloroethane-d4	50	50.1	100		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	52.1	104		74	123
		4-Bromofluorobenzene	50	51.1	102		17	146
VW0807SBSD0	VW0807SBSD01	1,2-Dichloroethane-d4	50	48.0	96		63	155
		Dibromofluoromethane	50	51.1	102		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	50.5	101		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2795</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Kleinfelder</u>	Datafile :	<u>VW032038.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0807SBS01	cis-1,2-Dichloroethene	20	19.4	ug/Kg	97			82	123	
	1,1,1-Trichloroethane	20	18.5	ug/Kg	93			80	126	
	Benzene	20	20.1	ug/Kg	101			84	121	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	Toluene	20	20.5	ug/Kg	103			83	122	
	Ethyl Benzene	20	19.8	ug/Kg	99			82	124	
	m/p-Xylenes	40	39.4	ug/Kg	99			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Isopropylbenzene	20	18.4	ug/Kg	92			82	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2795

Analytical Method: SW8260D

Client: Kleinfelder

Datafile : VW032039.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0807SBSD01	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	1		82	123	20
	1,1,1-Trichloroethane	20	18.9	ug/Kg	95	2		80	126	20
	Benzene	20	20.3	ug/Kg	102	1		84	121	20
	Trichloroethene	20	20.4	ug/Kg	102	0		83	122	20
	Toluene	20	20.5	ug/Kg	103	0		83	122	20
	Ethyl Benzene	20	20.1	ug/Kg	101	2		82	124	20
	m/p-Xylenes	40	41.5	ug/Kg	104	5		83	124	20
	o-Xylene	20	19.9	ug/Kg	100	1		83	123	20
	Isopropylbenzene	20	19.3	ug/Kg	97	5		82	124	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0807SBL01

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q2795

Lab File ID: VW032037.D

Lab Sample ID: VW0807SBL01

Date Analyzed: 08/07/2025

Time Analyzed: 11:10

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0807SBS01	VW0807SBS01	VW032038.D	08/07/2025
VW0807SBSD01	VW0807SBSD01	VW032039.D	08/07/2025
COMP-1	Q2795-01	VW032042.D	08/07/2025
COMP-2	Q2795-02	VW032043.D	08/07/2025
COMP-3	Q2795-03	VW032044.D	08/07/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q2795

Lab File ID: VW031890.D

BFB Injection Date: 07/22/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:14

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	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.8 (7.1) 1
176	95.0 - 101.0% of mass 174	63.8 (95) 1
177	5.0 - 9.0% of mass 176	4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW031891.D	07/22/2025	09:05
VSTDIC010	VSTDIC010	VW031892.D	07/22/2025	09:37
VSTDIC020	VSTDIC020	VW031893.D	07/22/2025	10:17
VSTDIC050	VSTDIC050	VW031894.D	07/22/2025	10:39
VSTDIC100	VSTDIC100	VW031895.D	07/22/2025	11:18
VSTDIC150	VSTDIC150	VW031896.D	07/22/2025	12:00

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q2795

Lab File ID: VW032035.D

BFB Injection Date: 08/07/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:05

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	17.5
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64.8
175	5.0 - 9.0% of mass 174	4.8 (7.5) 1
176	95.0 - 101.0% of mass 174	62.4 (96.3) 1
177	5.0 - 9.0% of mass 176	4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032036.D	08/07/2025	10:08
VW0807SBL01	VW0807SBL01	VW032037.D	08/07/2025	11:10
VW0807SBS01	VW0807SBS01	VW032038.D	08/07/2025	12:20
VW0807SBSD01	VW0807SBSD01	VW032039.D	08/07/2025	12:43
COMP-1	Q2795-01	VW032042.D	08/07/2025	14:04
COMP-2	Q2795-02	VW032043.D	08/07/2025	14:26
COMP-3	Q2795-03	VW032044.D	08/07/2025	14:48

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: POWE02
 Lab Code: ACE SDG NO.: Q2795
 Lab File ID: VW032036.D Date Analyzed: 08/07/2025
 Instrument ID: MSVOA_W Time Analyzed: 10:08
 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	218306	7.96	410147	8.84	372672	11.63
UPPER LIMIT	436612	8.459	820294	9.343	745344	12.129
LOWER LIMIT	109153	7.459	205074	8.343	186336	11.129
EPA SAMPLE NO.						
COMP-1	174583	7.97	355865	8.85	344678	11.63
COMP-2	180542	7.96	382094	8.85	370140	11.64
COMP-3	179400	7.97	378554	8.85	363624	11.63
VW0807SBL01	166168	7.95	366099	8.85	354996	11.63
VW0807SBS01	222702	7.97	401808	8.85	364622	11.63
VW0807SBSD01	226447	7.96	405839	8.85	359768	11.63

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>POWE02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2795</u>
Lab File ID:	<u>VW032036.D</u>	Date Analyzed:	<u>08/07/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>10:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	173846	13.556				
UPPER LIMIT	347692	14.056				
LOWER LIMIT	86923	13.056				
EPA SAMPLE NO.						
COMP-1	166074	13.56				
COMP-2	182213	13.56				
COMP-3	171933	13.56				
VW0807SBL01	157487	13.56				
VW0807SBS01	176923	13.56				
VW0807SBSD01	173676	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Girard School - PA	Date Received:	
Client Sample ID:	VW0807SBL01	SDG No.:	Q2795
Lab Sample ID:	VW0807SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW032037.D	1	08/07/25 11:10	VW080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	2.02	U	2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	45.7		74 - 123	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.0		17 - 146	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	7.953			
540-36-3	1,4-Difluorobenzene	366000	8.849			
3114-55-4	Chlorobenzene-d5	355000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.556			

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* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Girard School - PA	Date Received:	
Client Sample ID:	VW0807SBS01	SDG No.:	Q2795
Lab Sample ID:	VW0807SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW032038.D	1	08/07/25 12:20	VW080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	19.4		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.5		0.93	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	59.2		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	52.1		74 - 123	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.965			
540-36-3	1,4-Difluorobenzene	402000	8.849			
3114-55-4	Chlorobenzene-d5	365000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Girard School - PA	Date Received:	
Client Sample ID:	VW0807SBSD01	SDG No.:	Q2795
Lab Sample ID:	VW0807SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW032039.D	1	08/07/25 12:43	VW080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.9		0.93	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	61.4		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		17 - 146	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	7.959			
540-36-3	1,4-Difluorobenzene	406000	8.849			
3114-55-4	Chlorobenzene-d5	360000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	174000	13.556			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>POWE02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q2795</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>07/22/2025</u> <u>07/22/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>09:05</u> <u>12:00</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VW031891.D		RRF010 = VW031892.D		RRF020 = VW031893.D		
		RRF050 = VW031894.D		RRF100 = VW031895.D		RRF150 = VW031896.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
cis-1,2-Dichloroethene	0.878	0.789	0.821	0.824	0.846	0.831	0.832	3.6
1,1,1-Trichloroethane	1.114	1.017	1.008	1.010	1.009	1.032	1.032	4
Benzene	1.558	1.540	1.565	1.520	1.569	1.517	1.545	1.5
Trichloroethene	0.370	0.372	0.356	0.362	0.375	0.368	0.367	1.8
Toluene	0.992	0.998	1.003	0.979	0.998	0.986	0.993	0.9
Ethyl Benzene	2.167	2.107	2.165	2.226	2.099	2.137	2.150	2.2
m/p-Xylenes	0.808	0.801	0.829	0.823	0.794	0.802	0.809	1.7
o-Xylene	0.734	0.742	0.774	0.796	0.769	0.780	0.766	3.1
Isopropylbenzene	4.192	4.207	4.224	4.405	4.614	4.387	4.338	3.8
1,2-Dichloroethane-d4	0.899	0.744	0.782	0.709	0.717	0.686	0.756	10.2
Dibromofluoromethane	0.358	0.353	0.346	0.326	0.330	0.324	0.340	4.3
Toluene-d8	1.393	1.309	1.327	1.224	1.259	1.204	1.286	5.5
4-Bromofluorobenzene	0.542	0.515	0.516	0.460	0.476	0.452	0.494	7.2

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>POWE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2795</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>08/07/2025</u> <u>10:08</u>
Lab File ID:	<u>VW032036.D</u>	Init. Calib. Date(s):	<u>07/22/2025</u> <u>07/22/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:05</u> <u>12:00</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.832	0.892		7.21	20
1,1,1-Trichloroethane	1.032	1.074		4.07	20
Benzene	1.545	1.630		5.5	20
Trichloroethene	0.367	0.394		7.36	20
Toluene	0.993	1.044		5.14	20
Ethyl Benzene	2.150	2.213		2.93	20
m/p-Xylenes	0.809	0.850		5.07	20
o-Xylene	0.766	0.801		4.57	20
Isopropylbenzene	4.338	4.467		2.97	20
1,2-Dichloroethane-d4	0.756	0.740		-2.12	20
Dibromofluoromethane	0.340	0.347		2.06	20
Toluene-d8	1.286	1.324		2.95	20
4-Bromofluorobenzene	0.494	0.490		-0.81	20

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