

LAB CHRONICLE

OrderID:	Q3614	OrderDate:	11/12/2025 11:51:00 AM
Client:	Kleinfelder	Project:	Logan School
Contact:	Mark Warchol	Location:	J21,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3614-01	COMP-1	SOIL	VOCMS Group1	8260D	11/11/25		11/12/25	11/12/25
Q3614-02	COMP-2	SOIL	VOCMS Group1	8260D	11/11/25		11/12/25	11/12/25
Q3614-03	COMP-3	SOIL	VOCMS Group1	8260D	11/11/25		11/12/25	11/12/25



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3614
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: 11/11/25
Project: Logan School	Date Received: 11/12/25
Client Sample ID: COMP-1	SDG No.: Q3614
Lab Sample ID: Q3614-01	Matrix: SOIL
Analytical Method: 8260D	% Solid: 82.3
Sample Wt/Vol: 5.6 g	Test: VOCMS Group1
Level: LOW	
Final Vol: 5000 uL	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
156-59-2	cis-1,2-Dichloroethene	0.81	U	1	0.81	5.40	ug/Kg	11/12/25 16:55	vy111225
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.40	ug/Kg	11/12/25 16:55	vy111225
71-43-2	Benzene	0.86	U	1	0.86	5.40	ug/Kg	11/12/25 16:55	vy111225
79-01-6	Trichloroethene	0.88	U	1	0.88	5.40	ug/Kg	11/12/25 16:55	vy111225
108-88-3	Toluene	0.85	U	1	0.85	5.40	ug/Kg	11/12/25 16:55	vy111225
100-41-4	Ethyl Benzene	0.73	U	1	0.73	5.40	ug/Kg	11/12/25 16:55	vy111225
1330-20-7	Total Xylenes	2.19	U	1	2.19	16.2	ug/Kg	11/12/25 16:55	vy111225
98-82-8	Isopropylbenzene	0.85	U	1	0.85	5.40	ug/Kg	11/12/25 16:55	vy111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.5			63 - 155	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.1			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	48.5			74 - 123	97%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.2			52 - 138	90%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	769000							
540-36-3	1,4-Difluorobenzene	1330000							
3114-55-4	Chlorobenzene-d5	1150000							
3855-82-1	1,4-Dichlorobenzene-d4	463000							

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
Project: Logan School
Client Sample ID: COMP-2
Lab Sample ID: Q3614-02
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/11/25
Date Received: 11/12/25
SDG No.: Q3614
Matrix: SOIL
% Solid: 81.7
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
156-59-2	cis-1,2-Dichloroethene	0.92	U	1	0.92	6.10	ug/Kg	11/12/25 17:18	vy111225
71-55-6	1,1,1-Trichloroethane	1.10	U	1	1.10	6.10	ug/Kg	11/12/25 17:18	vy111225
71-43-2	Benzene	0.97	U	1	0.97	6.10	ug/Kg	11/12/25 17:18	vy111225
79-01-6	Trichloroethene	0.99	U	1	0.99	6.10	ug/Kg	11/12/25 17:18	vy111225
108-88-3	Toluene	0.95	U	1	0.95	6.10	ug/Kg	11/12/25 17:18	vy111225
100-41-4	Ethyl Benzene	0.82	U	1	0.82	6.10	ug/Kg	11/12/25 17:18	vy111225
1330-20-7	Total Xylenes	2.50	U	1	2.50	18.3	ug/Kg	11/12/25 17:18	vy111225
98-82-8	Isopropylbenzene	0.95	U	1	0.95	6.10	ug/Kg	11/12/25 17:18	vy111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	61.9			63 - 155	124%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.0			70 - 134	104%	SPK: 50		
2037-26-5	Toluene-d8	49.0			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.1			52 - 138	94%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	747000							
540-36-3	1,4-Difluorobenzene	1290000							
3114-55-4	Chlorobenzene-d5	1150000							
3855-82-1	1,4-Dichlorobenzene-d4	474000							

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Kleinfelder	Date Collected:	11/11/25
Project:	Logan School	Date Received:	11/12/25
Client Sample ID:	COMP-3	SDG No.:	Q3614
Lab Sample ID:	Q3614-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.5
Sample Wt/Vol:	5.42 g	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
156-59-2	cis-1,2-Dichloroethene	0.83	U	1	0.83	5.50	ug/Kg	11/12/25 17:42	vy111225
71-55-6	1,1,1-Trichloroethane	1.00	U	1	1.00	5.50	ug/Kg	11/12/25 17:42	vy111225
71-43-2	Benzene	0.87	U	1	0.87	5.50	ug/Kg	11/12/25 17:42	vy111225
79-01-6	Trichloroethene	0.89	U	1	0.89	5.50	ug/Kg	11/12/25 17:42	vy111225
108-88-3	Toluene	0.86	U	1	0.86	5.50	ug/Kg	11/12/25 17:42	vy111225
100-41-4	Ethyl Benzene	0.74	U	1	0.74	5.50	ug/Kg	11/12/25 17:42	vy111225
1330-20-7	Total Xylenes	2.31	U	1	2.31	16.5	ug/Kg	11/12/25 17:42	vy111225
98-82-8	Isopropylbenzene	0.86	U	1	0.86	5.50	ug/Kg	11/12/25 17:42	vy111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.4			63 - 155	119%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.0			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	48.8			74 - 123	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.1			52 - 138	90%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	760000							
540-36-3	1,4-Difluorobenzene	1320000							
3114-55-4	Chlorobenzene-d5	1140000							
3855-82-1	1,4-Dichlorobenzene-d4	465000							

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

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QC SUMMARY

Surrogate Summary

SDG No.: **Q3614**

Client: **Kleinfelder**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3614-01	COMP-1	1,2-Dichloroethane-d4	50	59.5	119		63	155
		Dibromofluoromethane	50	51.1	102		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	45.2	90		52	138
Q3614-02	COMP-2	1,2-Dichloroethane-d4	50	61.9	124		63	155
		Dibromofluoromethane	50	52.0	104		70	134
		Toluene-d8	50	49.0	98		74	123
		4-Bromofluorobenzene	50	47.0	94		52	138
Q3614-03	COMP-3	1,2-Dichloroethane-d4	50	59.4	119		63	155
		Dibromofluoromethane	50	51.0	102		70	134
		Toluene-d8	50	48.8	98		74	123
		4-Bromofluorobenzene	50	45.1	90		52	138
VY1112SBL01	VY1112SBL01	1,2-Dichloroethane-d4	50	57.4	115		63	155
		Dibromofluoromethane	50	51.1	102		70	134
		Toluene-d8	50	48.1	96		74	123
		4-Bromofluorobenzene	50	42.4	85		52	138
VY1112SBS01	VY1112SBS01	1,2-Dichloroethane-d4	50	49.4	99		63	155
		Dibromofluoromethane	50	50.6	101		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	51.8	104		52	138
VY1112SBSD01	VY1112SBSD01	1,2-Dichloroethane-d4	50	50.9	102		63	155
		Dibromofluoromethane	50	50.2	100		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	50.1	100		52	138

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3614</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Kleinfelder</u>	Datafile :	<u>VY023754.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1112SBS01	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			82	123	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			80	126	
	Benzene	20	20.1	ug/Kg	101			84	121	
	Trichloroethene	20	20.1	ug/Kg	101			83	122	
	Toluene	20	20.6	ug/Kg	103			83	122	
	Ethyl Benzene	20	20.2	ug/Kg	101			82	124	
	m/p-Xylenes	40	41.0	ug/Kg	103			83	124	
	o-Xylene	20	19.8	ug/Kg	99			83	123	
	Isopropylbenzene	20	19.8	ug/Kg	99			82	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3614 Analytical Method: SW8260D

Client: Kleinfelder Datafile : VY023755.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY1112SBSD01	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104	6		82	123	15
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	5		80	126	15
	Benzene	20	20.8	ug/Kg	104	3		84	121	15
	Trichloroethene	20	20.6	ug/Kg	103	2		83	122	15
	Toluene	20	20.7	ug/Kg	104	1		83	122	15
	Ethyl Benzene	20	21.1	ug/Kg	106	5		82	124	15
	m/p-Xylenes	40	42.1	ug/Kg	105	2		83	124	15
	o-Xylene	20	20.9	ug/Kg	104	5		83	123	15
	Isopropylbenzene	20	21.0	ug/Kg	105	6		82	124	15

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1112SBL01

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3614

Lab File ID: VY023753.D

Lab Sample ID: VY1112SBL01

Date Analyzed: 11/12/2025

Time Analyzed: 10:37

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
VY1112SBS01	VY1112SBS01	VY023754.D	11/12/2025
VY1112SBSD01	VY1112SBSD01	VY023755.D	11/12/2025
COMP-1	Q3614-01	VY023768.D	11/12/2025
COMP-2	Q3614-02	VY023769.D	11/12/2025
COMP-3	Q3614-03	VY023770.D	11/12/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q3614

Lab File ID: VY023660.D

BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 08:11

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	17.3
75	30.0 - 60.0% of mass 95	49
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	1.3 (1.3) 1
174	50.0 - 100.0% of mass 95	94.8
175	5.0 - 9.0% of mass 174	7 (7.4) 1
176	95.0 - 101.0% of mass 174	91.1 (96.1) 1
177	5.0 - 9.0% of mass 176	6 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023661.D	11/04/2025	09:19
VSTDIC010	VSTDIC010	VY023662.D	11/04/2025	09:42
VSTDIC020	VSTDIC020	VY023663.D	11/04/2025	10:19
VSTDIC050	VSTDIC050	VY023664.D	11/04/2025	10:42
VSTDIC100	VSTDIC100	VY023665.D	11/04/2025	11:05
VSTDIC150	VSTDIC150	VY023666.D	11/04/2025	11:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VY023751.D
Instrument ID: MSVOA_Y
GC Column: RXI-624 ID: 0.25 (mm)

Contract: POWE02
SDG NO.: Q3614
BFB Injection Date: 11/12/2025
BFB Injection Time: 09:23
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.2) 1
174	50.0 - 100.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	6.9 (7.4) 1
176	95.0 - 101.0% of mass 174	89.5 (95.4) 1
177	5.0 - 9.0% of mass 176	5.7 (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	VY023752.D	11/12/2025	10:01
VY1112SBL01	VY1112SBL01	VY023753.D	11/12/2025	10:37
VY1112SBS01	VY1112SBS01	VY023754.D	11/12/2025	11:04
VY1112SBSD01	VY1112SBSD01	VY023755.D	11/12/2025	11:27
COMP-1	Q3614-01	VY023768.D	11/12/2025	16:55
COMP-2	Q3614-02	VY023769.D	11/12/2025	17:18
COMP-3	Q3614-03	VY023770.D	11/12/2025	17:42

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>POWE02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3614</u>
Lab File ID:	<u>VY023752.D</u>	Date Analyzed:	<u>11/12/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>10:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	542463	7.71	778548	8.62	693308	11.42
UPPER LIMIT	1084930	8.213	1557100	9.116	1386620	11.92
LOWER LIMIT	271232	7.213	389274	8.116	346654	10.92
EPA SAMPLE NO.						
COMP-1	768671	7.71	1331047	8.62	1154176	11.41
COMP-2	747129	7.71	1293422	8.62	1145506	11.41
COMP-3	759606	7.71	1324033	8.62	1144655	11.41
VY1112SBL01	769463	7.71	1302390	8.62	1092818	11.42
VY1112SBS01	546007	7.71	796865	8.62	695921	11.42
VY1112SBSD01	549741	7.71	816418	8.62	694367	11.41

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>Q3614</u>
Lab File ID:	<u>VY023752.D</u>	Date Analyzed:	<u>11/12/2025</u>
Instrument ID:	<u>MSVOA_Y</u>	Time Analyzed:	<u>10:01</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	345261	13.346				
UPPER LIMIT	690522	13.846				
LOWER LIMIT	172631	12.846				
EPA SAMPLE NO.						
COMP-1	463172	13.35				
COMP-2	473781	13.35				
COMP-3	465011	13.35				
VY1112SBL01	431668	13.35				
VY1112SBS01	358224	13.35				
VY1112SBSD01	349899	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client: Kleinfelder
Project: Logan School
Client Sample ID: VY1112SBL01
Lab Sample ID: VY1112SBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 g

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3614
Matrix: SOIL
% Solid: 100
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
156-59-2	cis-1,2-Dichloroethene	0.75	U	1	0.75	5.00	ug/Kg	11/12/25 10:37	vy111225
71-55-6	1,1,1-Trichloroethane	0.93	U	1	0.93	5.00	ug/Kg	11/12/25 10:37	vy111225
71-43-2	Benzene	0.79	U	1	0.79	5.00	ug/Kg	11/12/25 10:37	vy111225
79-01-6	Trichloroethene	0.81	U	1	0.81	5.00	ug/Kg	11/12/25 10:37	vy111225
108-88-3	Toluene	0.78	U	1	0.78	5.00	ug/Kg	11/12/25 10:37	vy111225
100-41-4	Ethyl Benzene	0.67	U	1	0.67	5.00	ug/Kg	11/12/25 10:37	vy111225
1330-20-7	Total Xylenes	2.02	U	1	2.02	15.0	ug/Kg	11/12/25 10:37	vy111225
98-82-8	Isopropylbenzene	0.78	U	1	0.78	5.00	ug/Kg	11/12/25 10:37	vy111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.4			63 - 155	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.1			70 - 134	102%	SPK: 50		
2037-26-5	Toluene-d8	48.1			74 - 123	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.4			52 - 138	85%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	769000							
540-36-3	1,4-Difluorobenzene	1300000							
3114-55-4	Chlorobenzene-d5	1090000							
3855-82-1	1,4-Dichlorobenzene-d4	432000							

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:	Logan School	Date Received:	
Client Sample ID:	VY1112SBS01	SDG No.:	Q3614
Lab Sample ID:	VY1112SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
156-59-2	cis-1,2-Dichloroethene	19.6		1	0.75	5.00	ug/Kg	11/12/25 11:04	vy111225
71-55-6	1,1,1-Trichloroethane	20.1		1	0.93	5.00	ug/Kg	11/12/25 11:04	vy111225
71-43-2	Benzene	20.1		1	0.79	5.00	ug/Kg	11/12/25 11:04	vy111225
79-01-6	Trichloroethene	20.1		1	0.81	5.00	ug/Kg	11/12/25 11:04	vy111225
108-88-3	Toluene	20.6		1	0.78	5.00	ug/Kg	11/12/25 11:04	vy111225
100-41-4	Ethyl Benzene	20.2		1	0.67	5.00	ug/Kg	11/12/25 11:04	vy111225
1330-20-7	Total Xylenes	60.8		1	2.02	15.0	ug/Kg	11/12/25 11:04	vy111225
98-82-8	Isopropylbenzene	19.8		1	0.78	5.00	ug/Kg	11/12/25 11:04	vy111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.4			63 - 155	99%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.6			70 - 134	101%	SPK: 50		
2037-26-5	Toluene-d8	51.3			74 - 123	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.8			52 - 138	104%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	546000							
540-36-3	1,4-Difluorobenzene	797000							
3114-55-4	Chlorobenzene-d5	696000							
3855-82-1	1,4-Dichlorobenzene-d4	358000							

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

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B = Analyte Found in Associated Method Blank

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Logan School	Date Received:	
Client Sample ID:	VY1112SBSD01	SDG No.:	Q3614
Lab Sample ID:	VY1112SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 g	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	5.00	ug/Kg	11/12/25 11:27	vy111225
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	5.00	ug/Kg	11/12/25 11:27	vy111225
71-43-2	Benzene	20.8		1	0.79	5.00	ug/Kg	11/12/25 11:27	vy111225
79-01-6	Trichloroethene	20.6		1	0.81	5.00	ug/Kg	11/12/25 11:27	vy111225
108-88-3	Toluene	20.7		1	0.78	5.00	ug/Kg	11/12/25 11:27	vy111225
100-41-4	Ethyl Benzene	21.1		1	0.67	5.00	ug/Kg	11/12/25 11:27	vy111225
1330-20-7	Total Xylenes	63.0		1	2.02	15.0	ug/Kg	11/12/25 11:27	vy111225
98-82-8	Isopropylbenzene	21.0		1	0.78	5.00	ug/Kg	11/12/25 11:27	vy111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	50.9			63 - 155	102%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.2			70 - 134	100%	SPK: 50		
2037-26-5	Toluene-d8	50.6			74 - 123	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.1			52 - 138	100%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	550000							
540-36-3	1,4-Difluorobenzene	816000							
3114-55-4	Chlorobenzene-d5	694000							
3855-82-1	1,4-Dichlorobenzene-d4	350000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>POWE02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3614</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>11/04/2025</u> <u>11/04/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>09:19</u> <u>11:27</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VY023661.D		RRF010 = VY023662.D		RRF020 = VY023663.D		
		RRF050 = VY023664.D		RRF100 = VY023665.D		RRF150 = VY023666.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
cis-1,2-Dichloroethene	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.4
1,1,1-Trichloroethane	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.7
Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.6
Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.8
Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.7
Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.6
m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.1
o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9
Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.6
1,2-Dichloroethane-d4	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.3
Dibromofluoromethane	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.2
Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.3
4-Bromofluorobenzene	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>POWE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3614</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>11/12/2025</u> <u>10:01</u>
Lab File ID:	<u>VY023752.D</u>	Init. Calib. Date(s):	<u>11/04/2025</u> <u>11/04/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:19</u> <u>11:27</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	0.575	0.587		2.09	20
1,1,1-Trichloroethane	0.805	0.810		0.62	20
Benzene	1.316	1.358		3.19	20
Trichloroethene	0.378	0.389		2.91	20
Toluene	0.840	0.900		7.14	20
Ethyl Benzene	1.762	1.933		9.7	20
m/p-Xylenes	0.704	0.769		9.23	20
o-Xylene	0.651	0.718		10.29	20
Isopropylbenzene	3.344	3.789		13.31	20
1,2-Dichloroethane-d4	0.427	0.419		-1.87	20
Dibromofluoromethane	0.312	0.321		2.88	20
Toluene-d8	1.164	1.193		2.49	20
4-Bromofluorobenzene	0.376	0.417		10.9	20

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