

LAB CHRONICLE

OrderID:	Q2425	OrderDate:	6/25/2025 2:03:00 PM
Client:	Kleinfelder	Project:	AS Jenks School
Contact:	Mark Warchol	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2425-01	COMP-1	SOIL	VOCMS Group1	8260D	06/24/25		06/25/25	06/25/25
Q2425-02	COMP-2	SOIL	VOCMS Group1	8260D	06/24/25		06/25/25	06/25/25
Q2425-03	COMP-3	SOIL	VOCMS Group1	8260D	06/24/25		06/25/25	06/25/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2425
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:	06/24/25
Project:	AS Jenks School	Date Received:	06/25/25
Client Sample ID:	COMP-1	SDG No.:	Q2425
Lab Sample ID:	Q2425-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	76.9
Sample Wt/Vol:	4.5 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
VY022831.D	1		06/25/25 17:39	VY062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.30	U	1.30	7.20	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.20	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.20	ug/Kg
108-88-3	Toluene	1.10	U	1.10	7.20	ug/Kg
100-41-4	Ethyl Benzene	0.97	U	0.97	7.20	ug/Kg
1330-20-7	Total Xylenes	3.00	U	3.00	21.6	ug/Kg
98-82-8	Isopropylbenzene	1.10	U	1.10	7.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	439000	7.707			
540-36-3	1,4-Difluorobenzene	824000	8.609			
3114-55-4	Chlorobenzene-d5	766000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	315000	13.34			

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:	06/24/25
Project:	AS Jenks School	Date Received:	06/25/25
Client Sample ID:	COMP-2	SDG No.:	Q2425
Lab Sample ID:	Q2425-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	79.7
Sample Wt/Vol:	4.7 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022832.D	1		06/25/25 18:02	VY062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	1.00	U	1.00	6.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.70	ug/Kg
71-43-2	Benzene	1.10	U	1.10	6.70	ug/Kg
79-01-6	Trichloroethene	1.10	U	1.10	6.70	ug/Kg
108-88-3	Toluene	1.00	U	1.00	6.70	ug/Kg
100-41-4	Ethyl Benzene	0.89	U	0.89	6.70	ug/Kg
1330-20-7	Total Xylenes	2.80	U	2.80	20.0	ug/Kg
98-82-8	Isopropylbenzene	1.00	U	1.00	6.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		63 - 155	92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	436000	7.707			
540-36-3	1,4-Difluorobenzene	783000	8.61			
3114-55-4	Chlorobenzene-d5	713000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	306000	13.34			

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Report of Analysis

Client:	Kleinfelder	Date Collected:	06/24/25
Project:	AS Jenks School	Date Received:	06/25/25
Client Sample ID:	COMP-3	SDG No.:	Q2425
Lab Sample ID:	Q2425-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	82.6
Sample Wt/Vol:	5.6	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022833.D	1		06/25/25 18:26	VY062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.40	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
1330-20-7	Total Xylenes	2.19	U	2.19	16.2	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		63 - 155	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	401000	7.707			
540-36-3	1,4-Difluorobenzene	713000	8.609			
3114-55-4	Chlorobenzene-d5	667000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	285000	13.34			

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

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2425

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2425-01	COMP-1	1,2-Dichloroethane-d4	50	48.5	97	63	155
		Dibromofluoromethane	50	49.8	100	70	134
		Toluene-d8	50	50.0	100	74	123
		4-Bromofluorobenzene	50	50.2	100	17	146
Q2425-02	COMP-2	1,2-Dichloroethane-d4	50	46.2	92	63	155
		Dibromofluoromethane	50	49.4	99	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	50.2	100	17	146
Q2425-03	COMP-3	1,2-Dichloroethane-d4	50	45.7	91	63	155
		Dibromofluoromethane	50	49.5	99	70	134
		Toluene-d8	50	49.8	100	74	123
		4-Bromofluorobenzene	50	51.5	103	17	146
VY0625SBL01	VY0625SBL01	1,2-Dichloroethane-d4	50	48.2	96	63	155
		Dibromofluoromethane	50	49.8	100	70	134
		Toluene-d8	50	49.3	99	74	123
		4-Bromofluorobenzene	50	53.3	107	17	146
VY0625SBS01	VY0625SBS01	1,2-Dichloroethane-d4	50	50.1	100	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	51.1	102	74	123
		4-Bromofluorobenzene	50	49.7	99	17	146
VY0625SBSD01	VY0625SBSD01	1,2-Dichloroethane-d4	50	51.0	102	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	49.5	99	17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2425

Client: Kleinfelder

Analytical Method: SW8260D

Datafile : VY022813.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0625SBS01	cis-1,2-Dichloroethene	20	20.1	ug/Kg	101			82	123	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			80	126	
	Benzene	20	20.1	ug/Kg	101			84	121	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	Toluene	20	20.2	ug/Kg	101			83	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	39.8	ug/Kg	100			83	124	
	o-Xylene	20	19.7	ug/Kg	99			83	123	
	Isopropylbenzene	20	20.3	ug/Kg	102			82	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2425

Client: Kleinfelder

Analytical Method: SW8260D

Datafile : VY022814.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VY0625SBSD01	cis-1,2-Dichloroethene	20	20.4	ug/Kg	102	1		82	123	20
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	2		80	126	20
	Benzene	20	20.4	ug/Kg	102	1		84	121	20
	Trichloroethene	20	20.4	ug/Kg	102	2		83	122	20
	Toluene	20	20.0	ug/Kg	100	1		83	122	20
	Ethyl Benzene	20	20.6	ug/Kg	103	2		82	124	20
	m/p-Xylenes	40	41.0	ug/Kg	103	3		83	124	20
	o-Xylene	20	20.2	ug/Kg	101	2		83	123	20
	Isopropylbenzene	20	21.3	ug/Kg	106	4		82	124	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0625SBL01

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: Q2425

SAS No.: Q2425 SDG NO.: Q2425

Lab File ID: VY022812.D

Lab Sample ID: VY0625SBL01

Date Analyzed: 06/25/2025

Time Analyzed: 09:46

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
VY0625SBS01	VY0625SBS01	VY022813.D	06/25/2025
VY0625SBSD01	VY0625SBSD01	VY022814.D	06/25/2025
COMP-1	Q2425-01	VY022831.D	06/25/2025
COMP-2	Q2425-02	VY022832.D	06/25/2025
COMP-3	Q2425-03	VY022833.D	06/25/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: Q2425 SAS No.: Q2425 SDG NO.: Q2425
Lab File ID: VY022775.D BFB Injection Date: 06/23/2025
Instrument ID: MSVOA_Y BFB Injection Time: 10:17
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	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY022776.D	06/23/2025	13:38
VSTDIC010	VSTDIC010	VY022777.D	06/23/2025	14:00
VSTDIC020	VSTDIC020	VY022778.D	06/23/2025	14:23
VSTDIC050	VSTDIC050	VY022779.D	06/23/2025	14:46
VSTDIC100	VSTDIC100	VY022780.D	06/23/2025	15:08
VSTDIC150	VSTDIC150	VY022781.D	06/23/2025	15:31

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: Q2425 SAS No.: Q2425 SDG NO.: Q2425
Lab File ID: VY022810.D BFB Injection Date: 06/25/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:41
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23
75	30.0 - 60.0% of mass 95	56.3
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	6 (7.5) 1
176	95.0 - 101.0% of mass 174	79.5 (98.8) 1
177	5.0 - 9.0% of mass 176	5.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022811.D	06/25/2025	09:13
VY0625SBL01	VY0625SBL01	VY022812.D	06/25/2025	09:46
VY0625SBS01	VY0625SBS01	VY022813.D	06/25/2025	10:18
VY0625SBSD01	VY0625SBSD01	VY022814.D	06/25/2025	10:40
COMP-1	Q2425-01	VY022831.D	06/25/2025	17:39
COMP-2	Q2425-02	VY022832.D	06/25/2025	18:02
COMP-3	Q2425-03	VY022833.D	06/25/2025	18:26

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: Q2425 SAS No.: Q2425 SDG NO.: Q2425
Lab File ID: VY022811.D Date Analyzed: 06/25/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:13
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	448549	7.71	727879	8.61	634524	11.41
UPPER LIMIT	897098	8.207	1455760	9.11	1269050	11.914
LOWER LIMIT	224275	7.207	363940	8.11	317262	10.914
EPA SAMPLE NO.						
COMP-1	439139	7.71	824260	8.61	766377	11.41
COMP-2	436434	7.71	782882	8.61	712732	11.41
COMP-3	401005	7.71	712820	8.61	666622	11.41
VY0625SBL01	322245	7.71	582244	8.62	555259	11.41
VY0625SBS01	433589	7.71	722109	8.61	625216	11.41
VY0625SBSD01	424898	7.71	717544	8.61	607296	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: CHEMTECH Contract: POWE02
Lab Code: CHEM Case No.: Q2425 SAS No.: Q2425 SDG NO.: Q2425
Lab File ID: VY022811.D Date Analyzed: 06/25/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:13
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	316858	13.34				
UPPER LIMIT	633716	13.84				
LOWER LIMIT	158429	12.84				
EPA SAMPLE NO.						
COMP-1	315122	13.34				
COMP-2	306171	13.34				
COMP-3	284845	13.34				
VY0625SBL01	248657	13.35				
VY0625SBS01	303331	13.35				
VY0625SBSD01	290027	13.34				

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:	AS Jenks School	Date Received:	
Client Sample ID:	VY0625SBL01	SDG No.:	Q2425
Lab Sample ID:	VY0625SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022812.D	1		06/25/25 09:46	VY062525

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	48.2		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	322000	7.707			
540-36-3	1,4-Difluorobenzene	582000	8.616			
3114-55-4	Chlorobenzene-d5	555000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	249000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	AS Jenks School		Date Received:	
Client Sample ID:	VY0625SBS01		SDG No.:	Q2425
Lab Sample ID:	VY0625SBS01		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:	Prep Date	Date Analyzed	Prep Batch ID
VY022813.D	1		06/25/25 10:18	VY062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.1		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.93	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	59.5		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	20.3		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	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	51.1		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		17 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	434000	7.707			
540-36-3	1,4-Difluorobenzene	722000	8.61			
3114-55-4	Chlorobenzene-d5	625000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	303000	13.346			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Kleinfelder		Date Collected:	
Project:	AS Jenks School		Date Received:	
Client Sample ID:	VY0625SBSD01		SDG No.:	Q2425
Lab Sample ID:	VY0625SBSD01		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:	Prep Date	Date Analyzed	Prep Batch ID
VY022814.D	1		06/25/25 10:40	VY062525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.4		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.93	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	61.2		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.0		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		17 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	425000	7.707			
540-36-3	1,4-Difluorobenzene	718000	8.61			
3114-55-4	Chlorobenzene-d5	607000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	290000	13.34			

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>CHEMTECH</u>	Contract:	<u>POWE02</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2425</u>
Instrument ID:	<u>MSVOA_Y</u>	SAS No.:	<u>Q2425</u>
Heated Purge: (Y/N)	<u>Y</u>	SDG No.:	<u>Q2425</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>06/23/2025</u>
ID:	<u>0.25</u> (mm)	Calibration Time(s):	<u>13:38</u>
			<u>15:31</u>

LAB FILE ID:		RRF005 = VY022776.D		RRF010 = VY022777.D		RRF020 = VY022778.D		
		RRF050 = VY022779.D		RRF100 = VY022780.D		RRF150 = VY022781.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q2425 SAS No.: Q2425 SDG No.: Q2425

Instrument ID: MSVOA_Y Calibration Date/Time: 06/25/2025 09:13

Lab File ID: VY022811.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.672	0.648		-3.57	20
1,1,1-Trichloroethane	0.929	0.916		-1.4	20
Benzene	1.417	1.415		-0.14	20
Trichloroethene	0.356	0.364		2.25	20
Toluene	0.894	0.909		1.68	20
Ethyl Benzene	1.930	1.981		2.64	20
m/p-Xylenes	0.746	0.775		3.89	20
o-Xylene	0.703	0.725		3.13	20
Isopropylbenzene	3.698	3.805		2.89	20
1,2-Dichloroethane-d4	0.558	0.536		-3.94	20
Dibromofluoromethane	0.304	0.309		1.64	20
Toluene-d8	1.207	1.256		4.06	20
4-Bromofluorobenzene	0.388	0.398		2.58	20

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