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

LAB CHRONICLE

OrderID:	Q1903	**OrderDate:**	4/28/2025 11:30:00 AM
Client:	Kleinfelder	**Project:**	Mitchell School
Contact:	Mark Warchol	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1903-01	**COMP-4**	**SOIL**			**04/25/25**			**04/28/25**
			VOCMS Group1	8260D			04/29/25	
Q1903-02	**COMP-5**	**SOIL**			**04/25/25**			**04/28/25**
			VOCMS Group1	8260D			04/29/25	
Q1903-03	**COMP-6**	**SOIL**			**04/25/25**			**04/28/25**
			VOCMS Group1	8260D			04/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1903

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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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4	SDG No.:	Q1903
Lab Sample ID:	Q1903-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.3
Sample Wt/Vol:	5.95 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
VY022061.D	1		04/29/25 17:03	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.94	U	0.94	5.00	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.00	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.00	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.00	ug/Kg
1330-20-7	Total Xylenes	2.13	U	2.13	15.1	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.6		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	48.4		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.6		38 - 136	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	564000	8.616			
3114-55-4	Chlorobenzene-d5	508000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	196000	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

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-5	SDG No.:	Q1903
Lab Sample ID:	Q1903-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78.9
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
VY022062.D	1		04/29/25 17:27	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
71-43-2	Benzene	1.00	U	1.00	6.30	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.30	ug/Kg
108-88-3	Toluene	0.99	U	0.99	6.30	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	6.30	ug/Kg
1330-20-7	Total Xylenes	2.60	U	2.60	19.0	ug/Kg
98-82-8	Isopropylbenzene	0.99	U	0.99	6.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		38 - 136	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	294000	7.707			
540-36-3	1,4-Difluorobenzene	546000	8.616			
3114-55-4	Chlorobenzene-d5	490000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	185000	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
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-6	SDG No.:	Q1903
Lab Sample ID:	Q1903-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.9
Sample Wt/Vol:	5.36 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
VY022063.D	1		04/29/25 17:50	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.60	ug/Kg
71-43-2	Benzene	0.88	U	0.88	5.60	ug/Kg
79-01-6	Trichloroethene	0.90	U	0.90	5.60	ug/Kg
108-88-3	Toluene	0.87	U	0.87	5.60	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.60	ug/Kg
1330-20-7	Total Xylenes	2.31	U	2.31	16.7	ug/Kg
98-82-8	Isopropylbenzene	0.87	U	0.87	5.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		38 - 136	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.707			
540-36-3	1,4-Difluorobenzene	548000	8.615			
3114-55-4	Chlorobenzene-d5	501000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	193000	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

QC SUMMARY

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Surrogate Summary

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1903-01	COMP-4	1,2-Dichloroethane-d4	50	55.6	111	63	155
		Dibromofluoromethane	50	51.7	103	70	134
		Toluene-d8	50	48.5	97	74	123
		4-Bromofluorobenzene	50	40.6	81	38	136
Q1903-02	COMP-5	1,2-Dichloroethane-d4	50	51.3	103	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	49.1	98	74	123
		4-Bromofluorobenzene	50	40.1	80	38	136
Q1903-03	COMP-6	1,2-Dichloroethane-d4	50	56.8	114	63	155
		Dibromofluoromethane	50	51.7	103	70	134
		Toluene-d8	50	48.5	97	74	123
		4-Bromofluorobenzene	50	40.7	81	38	136
VY0429SBL01	VY0429SBL01	1,2-Dichloroethane-d4	50	50.3	101	63	155
		Dibromofluoromethane	50	49.9	100	70	134
		Toluene-d8	50	47.6	95	74	123
		4-Bromofluorobenzene	50	56.5	113	38	136
VY0429SBS01	VY0429SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	50.2	100	70	134
		Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.6	99	38	136
VY0429SBSD01	VY0429SBSD01	1,2-Dichloroethane-d4	50	49.3	99	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	51.5	103	74	123
		4-Bromofluorobenzene	50	50.5	101	38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY022048.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0429SBS01	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			82	123	
	1,1,1-Trichloroethane	20	19.9	ug/Kg	100			80	126	
	Benzene	20	20.2	ug/Kg	101			84	121	
	Trichloroethene	20	20.3	ug/Kg	102			83	122	
	Toluene	20	20.1	ug/Kg	101			83	122	
	Ethyl Benzene	20	19.4	ug/Kg	97			82	124	
	m/p-Xylenes	40	40.2	ug/Kg	101			83	124	
	o-Xylene	20	19.2	ug/Kg	96			83	123	
	Isopropylbenzene	20	19.1	ug/Kg	96			82	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: SW8260D **Datafile :** VY022049.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0429SBSD01	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102	4		82	123	20
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	3		80	126	20
	Benzene	20	20.8	ug/Kg	104	3		84	121	20
	Trichloroethene	20	21.3	ug/Kg	106	4		83	122	20
	Toluene	20	21.2	ug/Kg	106	5		83	122	20
	Ethyl Benzene	20	20.1	ug/Kg	101	4		82	124	20
	m/p-Xylenes	40	41.4	ug/Kg	104	3		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	6		83	123	20
	Isopropylbenzene	20	19.9	ug/Kg	100	4		82	124	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0429SBL01

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Lab File ID: VY022047.D Lab Sample ID: VY0429SBL01

Date Analyzed: 04/29/2025 Time Analyzed: 10:00

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
VY0429SBS01	VY0429SBS01	VY022048.D	04/29/2025
VY0429SBSD01	VY0429SBSD01	VY022049.D	04/29/2025
COMP-4	Q1903-01	VY022061.D	04/29/2025
COMP-5	Q1903-02	VY022062.D	04/29/2025
COMP-6	Q1903-03	VY022063.D	04/29/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Lab File ID: VY022045.D BFB Injection Date: 04/29/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:20

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	15.7
75	30.0 - 60.0% of mass 95	47.3
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	1.5 (1.6) 1
174	50.0 - 100.0% of mass 95	92.9
175	5.0 - 9.0% of mass 174	7 (7.5) 1
176	95.0 - 101.0% of mass 174	88.9 (95.7) 1
177	5.0 - 9.0% of mass 176	5.8 (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	VY022046.D	04/29/2025	09:28
VY0429SBL01	VY0429SBL01	VY022047.D	04/29/2025	10:00
VY0429SBS01	VY0429SBS01	VY022048.D	04/29/2025	10:31
VY0429SBSD01	VY0429SBSD01	VY022049.D	04/29/2025	10:53
COMP-4	Q1903-01	VY022061.D	04/29/2025	17:03
COMP-5	Q1903-02	VY022062.D	04/29/2025	17:27
COMP-6	Q1903-03	VY022063.D	04/29/2025	17:50

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Lab File ID: VY022046.D Date Analyzed: 04/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:28

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	330337	7.71	485397	8.62	453549	11.42
UPPER LIMIT	660674	8.207	970794	9.116	907098	11.92
LOWER LIMIT	165169	7.207	242699	8.116	226775	10.92
EPA SAMPLE NO.						
COMP-4	295057	7.71	563717	8.62	508046	11.41
COMP-5	293981	7.71	545754	8.62	490384	11.41
COMP-6	287202	7.71	548094	8.62	500953	11.41
VY0429SBL01	323132	7.71	602161	8.62	529726	11.42
VY0429SBS01	295160	7.71	455592	8.62	411306	11.41
VY0429SBSD01	291903	7.71	448136	8.62	409949	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Lab File ID: VY022046.D Date Analyzed: 04/29/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:28

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

	IS4 AREA #	RT #				
12 HOUR STD	245911	13.346				
UPPER LIMIT	491822	13.846				
LOWER LIMIT	122956	12.846				
EPA SAMPLE NO.						
COMP-4	196340	13.35				
COMP-5	184808	13.35				
COMP-6	192908	13.35				
VY0429SBL01	203699	13.35				
VY0429SBS01	220609	13.35				
VY0429SBSD01	218010	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	VY0429SBL01	SDG No.:	Q1903
Lab Sample ID:	VY0429SBL01	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
VY022047.D	1		04/29/25 10:00	VY042925

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	50.3		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	47.6		74 - 123	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.6		38 - 136	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	323000	7.707			
540-36-3	1,4-Difluorobenzene	602000	8.616			
3114-55-4	Chlorobenzene-d5	530000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	204000	13.347			

U = Not Detected
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LOD = Limit of Detection
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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

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:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	VY0429SBS01	SDG No.:	Q1903
Lab Sample ID:	VY0429SBS01	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
VY022048.D	1		04/29/25 10:31	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.9		0.93	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.4		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	59.4		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	295000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	411000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.347			

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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:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	VY0429SBSD01	SDG No.:	Q1903
Lab Sample ID:	VY0429SBSD01	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
VY022049.D	1		04/29/25 10:53	VY042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.3		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	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.81	5.00	ug/Kg
108-88-3	Toluene	21.2		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	61.8		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		63 - 155	99%	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	50.5		38 - 136	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	292000	7.707			
540-36-3	1,4-Difluorobenzene	448000	8.616			
3114-55-4	Chlorobenzene-d5	410000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	218000	13.346			

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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG No.: Q1903

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8

* 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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG No.: Q1903

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
cis-1,2-Dichloroethene	0.622	0.558		-10.29	20
1,1,1-Trichloroethane	0.896	0.789		-11.94	20
Benzene	1.387	1.301		-6.2	20
Trichloroethene	0.384	0.360		-6.25	20
Toluene	0.898	0.870		-3.12	20
Ethyl Benzene	1.829	1.744		-4.65	20
m/p-Xylenes	0.728	0.712		-2.2	20
o-Xylene	0.671	0.649		-3.28	20
Isopropylbenzene	3.341	3.152		-5.66	20
1,2-Dichloroethane-d4	0.462	0.402		-12.99	20
Dibromofluoromethane	0.330	0.314		-4.85	20
Toluene-d8	1.245	1.202		-3.45	20
4-Bromofluorobenzene	0.419	0.404		-3.58	20

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