

LAB CHRONICLE

OrderID:	Q2807	OrderDate:	8/8/2025 10:01:00 AM
Client:	Kleinfelder	Project:	Girard School - PA
Contact:	Mark Warchol	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2807-01	COMP-4	SOIL	VOCMS Group1	8260D	08/07/25		08/11/25	08/08/25
Q2807-02	COMP-5	SOIL	VOCMS Group1	8260D	08/07/25		08/11/25	08/08/25
Q2807-03	COMP-6	SOIL	VOCMS Group1	8260D	08/07/25		08/11/25	08/08/25



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

Hit Summary Sheet
SW-846

SDG No.: Q2807
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:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-4	SDG No.:	Q2807
Lab Sample ID:	Q2807-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.1
Sample Wt/Vol:	5.5 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
VW032063.D	1	08/11/25 14:00	VW081125

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	0.86	U	0.86	5.50	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.50	ug/Kg
108-88-3	Toluene	0.85	U	0.85	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	16.4	ug/Kg
98-82-8	Isopropylbenzene	0.85	U	0.85	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		63 - 155	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		17 - 146	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	7.953			
540-36-3	1,4-Difluorobenzene	364000	8.849			
3114-55-4	Chlorobenzene-d5	350000	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:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-5	SDG No.:	Q2807
Lab Sample ID:	Q2807-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.5
Sample Wt/Vol:	5.62 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
VW032064.D	1	08/11/25 14:22	VW081125

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	0.98	U	0.98	5.30	ug/Kg
71-43-2	Benzene	0.83	U	0.83	5.30	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.30	ug/Kg
108-88-3	Toluene	0.82	U	0.82	5.30	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.30	ug/Kg
1330-20-7	Total Xylenes	2.16	U	2.16	15.8	ug/Kg
98-82-8	Isopropylbenzene	0.82	U	0.82	5.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		63 - 155	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.1		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	7.965			
540-36-3	1,4-Difluorobenzene	390000	8.855			
3114-55-4	Chlorobenzene-d5	377000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	182000	13.556			

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Report of Analysis

Client:	Kleinfelder	Date Collected:	08/07/25
Project:	Girard School - PA	Date Received:	08/08/25
Client Sample ID:	COMP-6	SDG No.:	Q2807
Lab Sample ID:	Q2807-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	83.6
Sample Wt/Vol:	5.54 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
VW032065.D	1	08/11/25 14:44	VW081125

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	0.87	U	0.87	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	57.3		63 - 155	115%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	53.0		74 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1		17 - 146	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	7.965			
540-36-3	1,4-Difluorobenzene	362000	8.849			
3114-55-4	Chlorobenzene-d5	359000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	176000	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

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A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2807

Client: Kleinfelder

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2807-01	COMP-4	1,2-Dichloroethane-d4	50	52.0	104		63	155
		Dibromofluoromethane	50	50.4	101		70	134
		Toluene-d8	50	49.7	99		74	123
		4-Bromofluorobenzene	50	47.8	96		17	146
Q2807-02	COMP-5	1,2-Dichloroethane-d4	50	49.3	99		63	155
		Dibromofluoromethane	50	48.5	97		70	134
		Toluene-d8	50	48.1	96		74	123
		4-Bromofluorobenzene	50	48.3	97		17	146
Q2807-03	COMP-6	1,2-Dichloroethane-d4	50	57.3	115		63	155
		Dibromofluoromethane	50	53.5	107		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	56.1	112		17	146
VW0811SBL01	VW0811SBL01	1,2-Dichloroethane-d4	50	52.6	105		63	155
		Dibromofluoromethane	50	47.8	96		70	134
		Toluene-d8	50	49.1	98		74	123
		4-Bromofluorobenzene	50	47.4	95		17	146
VW0811SBS01	VW0811SBS01	1,2-Dichloroethane-d4	50	50.8	102		63	155
		Dibromofluoromethane	50	48.9	98		70	134
		Toluene-d8	50	49.8	100		74	123
		4-Bromofluorobenzene	50	52.4	105		17	146
VW0811SBSD0	VW0811SBSD01	1,2-Dichloroethane-d4	50	49.8	100		63	155
		Dibromofluoromethane	50	47.0	94		70	134
		Toluene-d8	50	48.3	97		74	123
		4-Bromofluorobenzene	50	49.8	100		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2807</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Kleinfelder</u>	Datafile :	<u>VW032061.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0811SBS01	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			82	123	
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104			80	126	
	Benzene	20	21.0	ug/Kg	105			84	121	
	Trichloroethene	20	20.2	ug/Kg	101			83	122	
	Toluene	20	21.0	ug/Kg	105			83	122	
	Ethyl Benzene	20	20.1	ug/Kg	101			82	124	
	m/p-Xylenes	40	40.9	ug/Kg	102			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Isopropylbenzene	20	19.9	ug/Kg	100			82	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2807</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>Kleinfelder</u>	Datafile :	<u>VW032062.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0811SBSD01	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		82	123	20
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	2		80	126	20
	Benzene	20	20.2	ug/Kg	101	4		84	121	20
	Trichloroethene	20	20.1	ug/Kg	101	0		83	122	20
	Toluene	20	20.5	ug/Kg	103	2		83	122	20
	Ethyl Benzene	20	20.5	ug/Kg	103	2		82	124	20
	m/p-Xylenes	40	40.7	ug/Kg	102	0		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	4		83	123	20
	Isopropylbenzene	20	19.5	ug/Kg	98	2		82	124	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0811SBL01

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q2807

Lab File ID: VW032060.D

Lab Sample ID: VW0811SBL01

Date Analyzed: 08/11/2025

Time Analyzed: 12:18

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
VW0811SBS01	VW0811SBS01	VW032061.D	08/11/2025
VW0811SBSD01	VW0811SBSD01	VW032062.D	08/11/2025
COMP-4	Q2807-01	VW032063.D	08/11/2025
COMP-5	Q2807-02	VW032064.D	08/11/2025
COMP-6	Q2807-03	VW032065.D	08/11/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: POWE02

Lab Code: ACE

SDG NO.: Q2807

Lab File ID: VW032051.D

BFB Injection Date: 08/11/2025

Instrument ID: MSVOA_W

BFB Injection Time: 07:53

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	51.9
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	4.9 (7.3) 1
176	95.0 - 101.0% of mass 174	64.2 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW032052.D	08/11/2025	08:25
VSTDIC010	VSTDIC010	VW032053.D	08/11/2025	09:09
VSTDIC020	VSTDIC020	VW032054.D	08/11/2025	09:47
VSTDIC050	VSTDIC050	VW032055.D	08/11/2025	10:09
VSTDIC100	VSTDIC100	VW032056.D	08/11/2025	10:46
VSTDIC150	VSTDIC150	VW032057.D	08/11/2025	11:08
VW0811SBL01	VW0811SBL01	VW032060.D	08/11/2025	12:18
VW0811SBS01	VW0811SBS01	VW032061.D	08/11/2025	12:48
VW0811SBS01	VW0811SBS01	VW032062.D	08/11/2025	13:10
COMP-4	Q2807-01	VW032063.D	08/11/2025	14:00
COMP-5	Q2807-02	VW032064.D	08/11/2025	14:22
COMP-6	Q2807-03	VW032065.D	08/11/2025	14:44

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: POWE02
Lab Code: ACE SDG NO.: Q2807
Lab File ID: VW032055.D Date Analyzed: 08/11/2025
Instrument ID: MSVOA_W Time Analyzed: 10:09
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	223324	7.96	406973	8.85	378090	11.63
UPPER LIMIT	446648	8.459	813946	9.349	756180	12.129
LOWER LIMIT	111662	7.459	203487	8.349	189045	11.129
EPA SAMPLE NO.						
COMP-4	176773	7.95	364442	8.85	350298	11.63
COMP-5	187413	7.97	390308	8.86	377426	11.64
COMP-6	171327	7.97	362068	8.85	358834	11.63
VW0811SBL01	176404	7.96	391811	8.85	359327	11.64
VW0811SBS01	224181	7.96	427747	8.85	394820	11.63
VW0811SBSD01	226773	7.96	441696	8.85	400240	11.64

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>Q2807</u>
Lab File ID:	<u>VW032055.D</u>	Date Analyzed:	<u>08/11/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>10:09</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	178995	13.556				
UPPER LIMIT	357990	14.056				
LOWER LIMIT	89497.5	13.056				
EPA SAMPLE NO.						
COMP-4	165686	13.56				
COMP-5	181852	13.56				
COMP-6	176343	13.56				
VW0811SBL01	169733	13.56				
VW0811SBS01	191594	13.56				
VW0811SBSD01	195548	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:	VW0811SBL01	SDG No.:	Q2807
Lab Sample ID:	VW0811SBL01	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
VW032060.D	1	08/11/25 12:18	VW081125

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	52.6		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	7.959			
540-36-3	1,4-Difluorobenzene	392000	8.849			
3114-55-4	Chlorobenzene-d5	359000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.556			

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Girard School - PA	Date Received:	
Client Sample ID:	VW0811SBS01	SDG No.:	Q2807
Lab Sample ID:	VW0811SBS01	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
VW032061.D	1	08/11/25 12:48	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.93	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.2		0.81	5.00	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	62.1		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	50.8		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.8		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.959			
540-36-3	1,4-Difluorobenzene	428000	8.849			
3114-55-4	Chlorobenzene-d5	395000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	192000	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:	VW0811SBSD01	SDG No.:	Q2807
Lab Sample ID:	VW0811SBSD01	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
VW032062.D	1	08/11/25 13:10	VW081125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
156-59-2	cis-1,2-Dichloroethene	20.8		0.75	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.1		0.81	5.00	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
1330-20-7	Total Xylenes	61.1		2.02	15.0	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	48.3		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	227000	7.959			
540-36-3	1,4-Difluorobenzene	442000	8.849			
3114-55-4	Chlorobenzene-d5	400000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	196000	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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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>Q2807</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>08/11/2025</u> <u>08/11/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>08:25</u> <u>11:08</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VW032052.D		RRF010 = VW032053.D		RRF020 = VW032054.D		
		RRF050 = VW032055.D		RRF100 = VW032056.D		RRF150 = VW032057.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
cis-1,2-Dichloroethene	0.711	0.736	0.772	0.749	0.775	0.769	0.752	3.3
1,1,1-Trichloroethane	0.960	0.949	0.965	0.872	0.869	0.878	0.915	5.1
Benzene	1.399	1.423	1.439	1.469	1.365	1.398	1.415	2.6
Trichloroethene	0.353	0.334	0.342	0.339	0.319	0.335	0.337	3.3
Toluene	0.837	0.882	0.910	0.932	0.887	0.902	0.892	3.6
Ethyl Benzene	1.714	1.806	1.921	1.870	1.830	1.921	1.843	4.3
m/p-Xylenes	0.645	0.707	0.754	0.731	0.702	0.730	0.711	5.3
o-Xylene	0.578	0.639	0.673	0.681	0.675	0.699	0.657	6.6
Isopropylbenzene	2.910	3.454	3.525	3.657	3.595	3.825	3.494	9
1,2-Dichloroethane-d4	0.746	0.748	0.720	0.716	0.712	0.697	0.723	2.7
Dibromofluoromethane	0.336	0.328	0.326	0.325	0.313	0.311	0.323	3
Toluene-d8	1.175	1.180	1.207	1.245	1.184	1.178	1.195	2.3
4-Bromofluorobenzene	0.428	0.431	0.444	0.460	0.438	0.441	0.440	2.6

* 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.