

LAB CHRONICLE

OrderID:	Q2027	OrderDate:	5/13/2025 12:52:00 PM
Client:	Scalamandre – Tully JV	Project:	NYC DOT Harper Street Yard North
Contact:	Dean Devoe	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2027-03	B27-SOIL-SAMPLE	TCLP	TCLP VOA	8260D	05/12/25		05/16/25	05/13/25
Q2027-04	B28-SOIL-SAMPLE	TCLP	TCLP VOA	8260D	05/12/25		05/16/25	05/13/25

Hit Summary Sheet SW-846

SDG No.: Q2027

Client: Scalamandre – Tully JV

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	B27-SOIL-SAMPLE							
Q2027-03	B27-SOIL-SAMPL	TCLP	2-Butanone	6.40	J	0.98	25.0	ug/L
Q2027-03	B27-SOIL-SAMPL	TCLP	Chloroform	1.20	J	0.25	5.00	ug/L
			Total Voc :	7.60				
			Total Concentration:	7.60				
Client ID:	B28-SOIL-SAMPLE							
Q2027-04	B28-SOIL-SAMPL	TCLP	2-Butanone	5.40	J	0.98	25.0	ug/L
			Total Voc :	5.40				
			Total Concentration:	5.40				



SAMPLE DATA

Report of Analysis

Client:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B27-SOIL-SAMPLE	SDG No.:	Q2027
Lab Sample ID:	Q2027-03	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046233.D	1		05/16/25 11:25	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	6.40	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	1.20	J	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		74 - 125	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	58200	5.55			
540-36-3	1,4-Difluorobenzene	116000	6.757			
3114-55-4	Chlorobenzene-d5	111000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	46400	12.018			

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:	Scalamandre – Tully JV	Date Collected:	05/12/25
Project:	NYC DOT Harper Street Yard North	Date Received:	05/13/25
Client Sample ID:	B28-SOIL-SAMPLE	SDG No.:	Q2027
Lab Sample ID:	Q2027-04	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046234.D	1		05/16/25 11:48	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	5.40	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	46.1		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65200	5.544			
540-36-3	1,4-Difluorobenzene	128000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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J = Estimated Value

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QC SUMMARY

Surrogate Summary

SDG No.: Q2027

Client: Scalamandre – Tully JV

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2027-03	B27-SOIL-SAMPLE	1,2-Dichloroethane-d4	50	54.1	108	74	125
		Dibromofluoromethane	50	52.2	104	75	124
		Toluene-d8	50	51.6	103	86	113
		4-Bromofluorobenzene	50	50.5	101	77	121
Q2027-04	B28-SOIL-SAMPLE	1,2-Dichloroethane-d4	50	53.0	106	74	125
		Dibromofluoromethane	50	46.1	92	75	124
		Toluene-d8	50	50.9	102	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
VX0516WBL01	VX0516WBL01	1,2-Dichloroethane-d4	50	55.5	111	74	125
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	50.7	101	86	113
		4-Bromofluorobenzene	50	51.2	102	77	121
VX0516WBS01	VX0516WBS01	1,2-Dichloroethane-d4	50	49.9	100	74	125
		Dibromofluoromethane	50	51.7	103	75	124
		Toluene-d8	50	50.6	101	86	113
		4-Bromofluorobenzene	50	50.5	101	77	121
VX0516WBSD0	VX0516WBSD01	1,2-Dichloroethane-d4	50	49.5	99	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	50.4	101	86	113
		4-Bromofluorobenzene	50	51.5	103	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2027

Client: Scalamandre – Tully JV

Analytical Method: SW8260D

Datafile : VX046231.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0516WBS01	Vinyl chloride	20	18.4	ug/L	92			65	117	
	1,1-Dichloroethene	20	18.6	ug/L	93			74	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.7	ug/L	99			77	113	
	Chloroform	20	20.2	ug/L	101			79	113	
	Benzene	20	20.1	ug/L	101			82	109	
	1,2-Dichloroethane	20	20.5	ug/L	103			80	115	
	Trichloroethene	20	19.8	ug/L	99			77	113	
	Tetrachloroethene	20	20.9	ug/L	104			67	123	
	Chlorobenzene	20	19.4	ug/L	97			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2027

Client: Scalamandre – Tully JV

Analytical Method: SW8260D

Datafile : VX046232.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0516WBSD01	Vinyl chloride	20	17.4	ug/L	87	6		65	117	20
	1,1-Dichloroethene	20	18.1	ug/L	91	2		74	110	20
	2-Butanone	100	110	ug/L	110	10		65	122	20
	Carbon Tetrachloride	20	19.2	ug/L	96	3		77	113	20
	Chloroform	20	19.8	ug/L	99	2		79	113	20
	Benzene	20	20.0	ug/L	100	1		82	109	20
	1,2-Dichloroethane	20	20.9	ug/L	104	1		80	115	20
	Trichloroethene	20	19.7	ug/L	99	0		77	113	20
	Tetrachloroethene	20	20.2	ug/L	101	3		67	123	20
	Chlorobenzene	20	19.5	ug/L	98	1		82	109	20

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0516WBL01

Lab Name: CHEMTECH

Contract: SCAL01

Lab Code: CHEM Case No.: Q2027

SAS No.: Q2027 SDG NO.: Q2027

Lab File ID: VX046230.D

Lab Sample ID: VX0516WBL01

Date Analyzed: 05/16/2025

Time Analyzed: 10:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0516WBS01	VX0516WBS01	VX046231.D	05/16/2025
VX0516WBSD01	VX0516WBSD01	VX046232.D	05/16/2025
B27-SOIL-SAMPLE	Q2027-03	VX046233.D	05/16/2025
B28-SOIL-SAMPLE	Q2027-04	VX046234.D	05/16/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01
Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027
Lab File ID: VX046038.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:37
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
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	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDIC020	VSTDIC020	VX046041.D	05/05/2025	11:35
VSTDIC050	VSTDIC050	VX046042.D	05/05/2025	11:58
VSTDIC100	VSTDIC100	VX046043.D	05/05/2025	12:21
VSTDIC150	VSTDIC150	VX046044.D	05/05/2025	12:45
VSTDIC005	VSTDIC005	VX046046.D	05/05/2025	16:04
VSTDIC001	VSTDIC001	VX046047.D	05/05/2025	16:27

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: SCAL01
Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027
Lab File ID: VX046227.D BFB Injection Date: 05/16/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:47
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	56.1
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 (1.5) 1
174	50.0 - 100.0% of mass 95	65.3
175	5.0 - 9.0% of mass 174	5.2 (8) 1
176	95.0 - 101.0% of mass 174	65.3 (99.9) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 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	VX046228.D	05/16/2025	09:22
VX0516WBL01	VX0516WBL01	VX046230.D	05/16/2025	10:12
VX0516WBS01	VX0516WBS01	VX046231.D	05/16/2025	10:36
VX0516WBSD01	VX0516WBSD01	VX046232.D	05/16/2025	11:01
B27-SOIL-SAMPLE	Q2027-03	VX046233.D	05/16/2025	11:25
B28-SOIL-SAMPLE	Q2027-04	VX046234.D	05/16/2025	11:48

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: SCAL01
Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027
Lab File ID: VX046228.D Date Analyzed: 05/16/2025
Instrument ID: MSVOA_X Time Analyzed: 09:22
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	94540	5.54	157316	6.75	136812	10.05
UPPER LIMIT	189080	6.038	314632	7.251	273624	10.549
LOWER LIMIT	47270	5.038	78658	6.251	68406	9.549
EPA SAMPLE NO.						
B27-SOIL-SAMPLE	58179	5.55	115702	6.76	111038	10.05
B28-SOIL-SAMPLE	65180	5.54	127503	6.76	120884	10.06
VX0516WBL01	63217	5.54	126396	6.76	119684	10.05
VX0516WBS01	89369	5.54	154326	6.76	137068	10.05
VX0516WBSD01	88353	5.54	151068	6.76	134956	10.05

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: SCAL01
 Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG NO.: Q2027
 Lab File ID: VX046228.D Date Analyzed: 05/16/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:22
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65634	12.018				
UPPER LIMIT	131268	12.518				
LOWER LIMIT	32817	11.518				
EPA SAMPLE NO.						
B27-SOIL-SAMPLE	46381	12.02				
B28-SOIL-SAMPLE	50886	12.02				
VX0516WBL01	51388	12.02				
VX0516WBS01	65057	12.02				
VX0516WBSD01	63717	12.02				

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:	Scalamandre – Tully JV		Date Collected:	
Project:	NYC DOT Harper Street Yard North		Date Received:	
Client Sample ID:	VX0516WBL01		SDG No.:	Q2027
Lab Sample ID:	VX0516WBL01		Matrix:	TCLP
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046230.D	1		05/16/25 10:12	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63200	5.544			
540-36-3	1,4-Difluorobenzene	126000	6.757			
3114-55-4	Chlorobenzene-d5	120000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51400	12.018			

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Report of Analysis

Client:	Scalamandre – Tully JV		Date Collected:	
Project:	NYC DOT Harper Street Yard North		Date Received:	
Client Sample ID:	VX0516WBS01		SDG No.:	Q2027
Lab Sample ID:	VX0516WBS01		Matrix:	TCLP
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046231.D	1		05/16/25 10:36	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.4		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.23	5.00	ug/L
78-93-3	2-Butanone	100		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	5.00	ug/L
67-66-3	Chloroform	20.2		0.25	5.00	ug/L
71-43-2	Benzene	20.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.8		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	89400	5.544			
540-36-3	1,4-Difluorobenzene	154000	6.757			
3114-55-4	Chlorobenzene-d5	137000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	65100	12.018			

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* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Scalamandre – Tully JV		Date Collected:		
Project:	NYC DOT Harper Street Yard North		Date Received:		
Client Sample ID:	VX0516WBSD01		SDG No.:	Q2027	
Lab Sample ID:	VX0516WBSD01		Matrix:	TCLP	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046232.D	1		05/16/25 11:01	VX051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	17.4		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	5.00	ug/L
67-66-3	Chloroform	19.8		0.25	5.00	ug/L
71-43-2	Benzene	20.0		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88400	5.544			
540-36-3	1,4-Difluorobenzene	151000	6.757			
3114-55-4	Chlorobenzene-d5	135000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63700	12.018			

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: CHEMTECH Contract: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG No.: Q2027

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF020 = VX046041.D		RRF050 = VX046042.D		RRF100 = VX046043.D		
		RRF150 = VX046044.D		RRF005 = VX046046.D		RRF001 = VX046047.D		
COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	RRF	% RSD
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* 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: SCAL01

Lab Code: CHEM Case No.: Q2027 SAS No.: Q2027 SDG No.: Q2027

Instrument ID: MSVOA_X Calibration Date/Time: 05/16/2025 09:22

Lab File ID: VX046228.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.691	0.646		-6.51	20
1,1-Dichloroethene	0.593	0.561		-5.4	20
2-Butanone	0.543	0.545		0.37	20
Carbon Tetrachloride	0.544	0.555		2.02	20
Chloroform	1.271	1.254		-1.34	20
Benzene	1.417	1.418		0.07	20
1,2-Dichloroethane	0.612	0.614		0.33	20
Trichloroethene	0.341	0.341		0	20
Tetrachloroethene	0.354	0.372		5.09	20
Chlorobenzene	1.094	1.082	0.3	-1.1	20
1,2-Dichloroethane-d4	0.932	0.895		-3.97	20
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.276		2.41	20
4-Bromofluorobenzene	0.478	0.486		1.67	20

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