

LAB CHRONICLE

OrderID: Q2681
Client: Core Environmental Consultants and Services, Inc.
Contact: Roland Scardino

OrderDate: 7/23/2025 2:59:39 PM
Project: NYPA
Location: D21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2681-01	NYPA-POUCH-SPENT-CARBON	TCLP			07/23/25			07/23/25
			TCLP VOA	8260D			07/28/25	
Q2681-01DL	NYPA-POUCH-SPENT-CARBONDL	TCLP			07/23/25			07/23/25
			TCLP VOA	8260D			07/28/25	

Hit Summary Sheet
SW-846

SDG No.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: NYPA-POUCH-SPENT-CARBON								
Q2681-01	NYPA-POUCH-SPI TCLP		2-Butanone	19.0	J	0.98	25.0	ug/L
Q2681-01	NYPA-POUCH-SPI TCLP		Benzene	200	E	0.15	5.00	ug/L
			Total Voc :	219				
			Total Concentration:	219				
Client ID: NYPA-POUCH-SPENT-CARBONDL								
Q2681-01DL	NYPA-POUCH-SPI TCLP		Benzene	190	D	0.75	25.0	ug/L
			Total Voc :	190				
			Total Concentration:	190				



SAMPLE DATA

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.		Date Collected:	07/23/25	
Project:	NYPA		Date Received:	07/23/25	
Client Sample ID:	NYPA-POUCH-SPENT-CARBON		SDG No.:	Q2681	
Lab Sample ID:	Q2681-01		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:	Date Analyzed	Prep Batch ID
VX047162.D	1	07/28/25 14:03	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
78-93-3	2-Butanone	19.0	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-43-2	Benzene	200	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	57.1	*	86 - 113	114%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	5.562			
540-36-3	1,4-Difluorobenzene	549000	6.769			
3114-55-4	Chlorobenzene-d5	500000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	258000	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:	Core Environmental Consultants and Services, Inc.		Date Collected:	07/23/25	
Project:	NYPA		Date Received:	07/23/25	
Client Sample ID:	NYPA-POUCH-SPENT-CARBONDL		SDG No.:	Q2681	
Lab Sample ID:	Q2681-01DL		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:	Date Analyzed	Prep Batch ID
VX047165.D	5	07/28/25 15:07	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	25.0	UD	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	25.0	UD	1.20	25.0	ug/L
78-93-3	2-Butanone	130	UD	4.90	130	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	1.30	25.0	ug/L
67-66-3	Chloroform	25.0	UD	1.30	25.0	ug/L
71-43-2	Benzene	190	D	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	25.0	UD	1.10	25.0	ug/L
79-01-6	Trichloroethene	25.0	UD	0.47	25.0	ug/L
127-18-4	Tetrachloroethene	25.0	UD	1.20	25.0	ug/L
108-90-7	Chlorobenzene	25.0	UD	0.60	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.8		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	45.6		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	43.5		86 - 113	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	323000	5.568			
540-36-3	1,4-Difluorobenzene	547000	6.769			
3114-55-4	Chlorobenzene-d5	497000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	253000	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



QC SUMMARY

Surrogate Summary

SDG No.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2681-01	NYPA-POUCH-SPENT-CARBON	1,2-Dichloroethane-d4	50	55.2	110		74	125
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	57.1	114	*	86	113
		4-Bromofluorobenzene	50	51.3	103		77	121
Q2681-01DL	NYPA-POUCH-SPENT-CARBONDL	1,2-Dichloroethane-d4	50	44.8	90		74	125
		Dibromofluoromethane	50	45.6	91		75	124
		Toluene-d8	50	43.5	87		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121

Surrogate Summary

SDG No.: Q2681

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0728WBL01	VX0728WBL01	1,2-Dichloroethane-d4	50	49.4	99		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	52.3	105		77	121
VX0728WBS01	VX0728WBS01	1,2-Dichloroethane-d4	50	45.6	91		74	125
		Dibromofluoromethane	50	47.8	96		75	124
		Toluene-d8	50	45.6	91		86	113
		4-Bromofluorobenzene	50	47.4	95		77	121
VX0728WBSD0	VX0728WBSD01	1,2-Dichloroethane-d4	50	47.5	95		74	125
		Dibromofluoromethane	50	48.0	96		75	124
		Toluene-d8	50	45.3	91		86	113
		4-Bromofluorobenzene	50	48.6	97		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2681</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Core Environmental Consultants and</u>	Datafile :	<u>VX047155.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0728WBS01	Vinyl chloride	20	19.3	ug/L	97			65	117	
	1,1-Dichloroethene	20	18.4	ug/L	92			74	110	
	2-Butanone	100	92.4	ug/L	92			65	122	
	Carbon Tetrachloride	20	18.9	ug/L	95			77	113	
	Chloroform	20	18.5	ug/L	93			79	113	
	Benzene	20	18.7	ug/L	94			82	109	
	1,2-Dichloroethane	20	19.2	ug/L	96			80	115	
	Trichloroethene	20	18.5	ug/L	93			77	113	
	Tetrachloroethene	20	18.3	ug/L	92			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2681 **Analytical Method:** SW8260-Low
Client: Core Environmental Consultants and **Datafile :** VX047156.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0728WBSD01	Vinyl chloride	20	18.3	ug/L	92	5		65	117	19
	1,1-Dichloroethene	20	17.9	ug/L	90	2		74	110	20
	2-Butanone	100	92.0	ug/L	92	0		65	122	26
	Carbon Tetrachloride	20	18.6	ug/L	93	2		77	113	15
	Chloroform	20	18.4	ug/L	92	1		79	113	20
	Benzene	20	18.6	ug/L	93	1		82	109	15
	1,2-Dichloroethane	20	19.3	ug/L	97	1		80	115	20
	Trichloroethene	20	18.3	ug/L	92	1		77	113	15
	Tetrachloroethene	20	17.6	ug/L	88	4		67	123	15
	Chlorobenzene	20	18.6	ug/L	93	0		82	109	15

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0728WBL01

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab File ID: VX047154.D

Lab Sample ID: VX0728WBL01

Date Analyzed: 07/28/2025

Time Analyzed: 10:19

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
VX0728WBS01	VX0728WBS01	VX047155.D	07/28/2025
VX0728WBSD01	VX0728WBSD01	VX047156.D	07/28/2025
NYPA-POUCH-SPENT-CARBON	Q2681-01	VX047162.D	07/28/2025
NYPA-POUCH-SPENT-CARBONDL	Q2681-01DL	VX047165.D	07/28/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab File ID: VX047054.D

BFB Injection Date: 07/21/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:53

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	19.4
75	30.0 - 60.0% of mass 95	52.5
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 (1.2) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.3 (7.3) 1
176	95.0 - 101.0% of mass 174	69.5 (95.9) 1
177	5.0 - 9.0% of mass 176	5 (7.2) 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
VSTDIC001	VSTDIC001	VX047055.D	07/21/2025	09:47
VSTDIC005	VSTDIC005	VX047056.D	07/21/2025	10:08
VSTDIC020	VSTDIC020	VX047057.D	07/21/2025	10:29
VSTDIC050	VSTDIC050	VX047058.D	07/21/2025	10:50
VSTDIC100	VSTDIC100	VX047059.D	07/21/2025	11:11
VSTDIC150	VSTDIC150	VX047060.D	07/21/2025	11:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q2681

Lab File ID: VX047151.D

BFB Injection Date: 07/28/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:52

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	19.3
75	30.0 - 60.0% of mass 95	52
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	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.4 (7.4) 1
176	95.0 - 101.0% of mass 174	70 (96.8) 1
177	5.0 - 9.0% of mass 176	4.6 (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
VSTDCCC050	VSTDCCC050	VX047152.D	07/28/2025	09:23
VX0728WBL01	VX0728WBL01	VX047154.D	07/28/2025	10:19
VX0728WBS01	VX0728WBS01	VX047155.D	07/28/2025	10:45
VX0728WBSD01	VX0728WBSD01	VX047156.D	07/28/2025	11:11
NYPA-POUCH-SPENT-CARBON	Q2681-01	VX047162.D	07/28/2025	14:03
NYPA-POUCH-SPENT-CARBONDL	Q2681-01DL	VX047165.D	07/28/2025	15:07

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02
Lab Code: ACE SDG NO.: Q2681
Lab File ID: VX047152.D Date Analyzed: 07/28/2025
Instrument ID: MSVOA_X Time Analyzed: 09:23
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	347966	5.56	583631	6.76	509126	10.05
UPPER LIMIT	695932	6.056	1167260	7.263	1018250	10.549
LOWER LIMIT	173983	5.056	291816	6.263	254563	9.549
EPA SAMPLE NO.						
NYP-POUCH-SPENT-CARBON	328899	5.56	549412	6.77	500328	10.06
NYP-POUCH-SPENT-CARBONDL	322992	5.57	546891	6.77	497406	10.06
VX0728WBL01	333922	5.56	570654	6.77	517999	10.06
VX0728WBS01	313373	5.56	525191	6.76	469756	10.06
VX0728WBSD01	296687	5.56	500012	6.76	452886	10.06

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: Alliance Contract: CORE02
 Lab Code: ACE SDG NO.: Q2681
 Lab File ID: VX047152.D Date Analyzed: 07/28/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:23
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	238942	12.018				
UPPER LIMIT	477884	12.518				
LOWER LIMIT	119471	11.518				
EPA SAMPLE NO.						
NYPA-POUCH-SPENT-CARBON	258193	12.02				
NYPA-POUCH-SPENT-CARBONDL	253109	12.02				
VX0728WBL01	262134	12.02				
VX0728WBS01	234098	12.02				
VX0728WBSD01	223131	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:	Core Environmental Consultants and Services, Inc.		Date Collected:	
Project:	NYPA		Date Received:	
Client Sample ID:	VX0728WBL01		SDG No.:	Q2681
Lab Sample ID:	VX0728WBL01		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:	Date Analyzed	Prep Batch ID
VX047154.D	1	07/28/25 10:19	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	334000	5.562			
540-36-3	1,4-Difluorobenzene	571000	6.769			
3114-55-4	Chlorobenzene-d5	518000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	262000	12.018			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.		Date Collected:	
Project:	NYPA		Date Received:	
Client Sample ID:	VX0728WBS01		SDG No.:	Q2681
Lab Sample ID:	VX0728WBS01		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:	Date Analyzed	Prep Batch ID
VX047155.D	1	07/28/25 10:45	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.23	1.00	ug/L
78-93-3	2-Butanone	92.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
67-66-3	Chloroform	18.5		0.25	1.00	ug/L
71-43-2	Benzene	18.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	313000	5.556			
540-36-3	1,4-Difluorobenzene	525000	6.763			
3114-55-4	Chlorobenzene-d5	470000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	234000	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:	Core Environmental Consultants and Services, Inc.		Date Collected:	
Project:	NYPA		Date Received:	
Client Sample ID:	VX0728WBSD01		SDG No.:	Q2681
Lab Sample ID:	VX0728WBSD01		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:	Date Analyzed	Prep Batch ID
VX047156.D	1	07/28/25 11:11	VX072825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	1.00	ug/L
78-93-3	2-Butanone	92.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.6		0.25	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	17.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	45.3		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	297000	5.562			
540-36-3	1,4-Difluorobenzene	500000	6.763			
3114-55-4	Chlorobenzene-d5	453000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	223000	12.018			

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



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>CORE02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q2681</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>07/21/2025</u> <u>07/21/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:47</u> <u>11:32</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX047055.D		RRF005 = VX047056.D		RRF020 = VX047057.D		
		RRF050 = VX047058.D		RRF100 = VX047059.D		RRF150 = VX047060.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.7
1,1-Dichloroethene	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.7
2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.8
Carbon Tetrachloride	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.4
Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.2
Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.4
1,2-Dichloroethane	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.5
Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.5
Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.6
Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.2
1,2-Dichloroethane-d4		0.768	0.511	0.575	0.611	0.649	0.623	15.4
Dibromofluoromethane		0.355	0.262	0.296	0.302	0.328	0.309	11.3
Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.8
4-Bromofluorobenzene		0.514	0.369	0.409	0.417	0.445	0.431	12.5

* 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>CORE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2681</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/28/2025</u> <u>09:23</u>
Lab File ID:	<u>VX047152.D</u>	Init. Calib. Date(s):	<u>07/21/2025</u> <u>07/21/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:47</u> <u>11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.706	0.718		1.7	20
1,1-Dichloroethene	0.628	0.597		-4.94	20
2-Butanone	0.363	0.326		-10.19	20
Carbon Tetrachloride	0.562	0.512		-8.9	20
Chloroform	1.236	1.131		-8.49	20
Benzene	1.523	1.374		-9.78	20
1,2-Dichloroethane	0.536	0.489		-8.77	20
Trichloroethene	0.391	0.343		-12.28	20
Tetrachloroethene	0.360	0.318		-11.67	20
Chlorobenzene	1.171	1.050	0.3	-10.33	20
1,2-Dichloroethane-d4	0.623	0.583		-6.42	20
Dibromofluoromethane	0.309	0.303		-1.94	20
Toluene-d8	1.000	0.902		-9.8	20
4-Bromofluorobenzene	0.431	0.402		-6.73	20

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