

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : REAC - 83150.1.029.08ME.A.LPV818.0800

TECHLAW CONSULTANTS, INC

14840 Conference Center Dr.

Suite #200

Chantilly, VA - 20151

Phone No: 703-818-3205

ORDER ID : Q1995

ATTENTION : Jim Burden



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q1995

Project ID : REAC - 83150.1.029.08ME.A.LPV818.0800

Client : TechLaw Consultants, Inc

Lab Sample Number

Q1995-01
Q1995-02
Q1995-03
Q1995-04
Q1995-05
Q1995-06
Q1995-07

Client Sample Number

ERT-273
ERT-274
ERT-275
ERT-276
ERT-277
ERT-278
ERT-279

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

TechLaw Consultants, Inc

Project Name: REAC - 83150.1.029.08ME.A.LPV818.0800

Project # N/A

Order ID # Q1995

Test Name: TOC

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 05/09/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: TOC. This data package contains results for TOC.

C. Analytical Techniques:

The analysis of TOC was based on method 9060A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

Lab has used least representable sample weight for the sample Q1995-06 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1995

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 05/20/2025

LAB CHRONICLE

OrderID:	Q1995	OrderDate:	5/9/2025 10:41:40 AM
Client:	TechLaw Consultants, Inc	Project:	REAC - 83150.1.029.08ME.A.LPV818.0800
Contact:	Jim Burden	Location:	L51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1995-01	ERT-273	SOIL	TOC	9060A	05/06/25 11:15		05/16/25 09:30	05/09/25
Q1995-02	ERT-274	SOIL	TOC	9060A	05/07/25 08:05		05/16/25 09:41	05/09/25
Q1995-03	ERT-275	SOIL	TOC	9060A	05/07/25 08:15		05/16/25 09:50	05/09/25
Q1995-04	ERT-276	SOIL	TOC	9060A	05/07/25 09:50		05/16/25 10:16	05/09/25
Q1995-05	ERT-277	SOIL	TOC	9060A	05/07/25 10:05		05/16/25 10:27	05/09/25
Q1995-06	ERT-278	SOIL	TOC	9060A	05/07/25 10:07		05/16/25 11:07	05/09/25
Q1995-07	ERT-279	SOIL	TOC	9060A	05/07/25 10:10		05/16/25 11:49	05/09/25



SAMPLE DATA

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/06/25 11:15
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-273	SDG No.:	Q1995
Lab Sample ID:	Q1995-01	Matrix:	SOIL
		% Solid:	94.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	1600		1	28.9	250	mg/Kg		05/16/25 09:30	9060A

Comments: _____

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/07/25 08:05
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-274	SDG No.:	Q1995
Lab Sample ID:	Q1995-02	Matrix:	SOIL
		% Solid:	72.4

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	3600		1	28.9	250	mg/Kg		05/16/25 09:41	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/07/25 08:15
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-275	SDG No.:	Q1995
Lab Sample ID:	Q1995-03	Matrix:	SOIL
		% Solid:	97.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	2950		1	28.9	250	mg/Kg		05/16/25 09:50	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/07/25 09:50
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-276	SDG No.:	Q1995
Lab Sample ID:	Q1995-04	Matrix:	SOIL
		% Solid:	82.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	1690		1	28.9	250	mg/Kg		05/16/25 10:16	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/07/25 10:05
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-277	SDG No.:	Q1995
Lab Sample ID:	Q1995-05	Matrix:	SOIL
		% Solid:	88

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	6500		1	28.9	250	mg/Kg		05/16/25 10:27	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/07/25 10:07
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-278	SDG No.:	Q1995
Lab Sample ID:	Q1995-06	Matrix:	SOIL
		% Solid:	77.9

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	11400	OR	1	28.9	250	mg/Kg		05/16/25 11:07	9060A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Report of Analysis

Client:	TechLaw Consultants, Inc	Date Collected:	05/07/25 10:10
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Date Received:	05/09/25
Client Sample ID:	ERT-279	SDG No.:	Q1995
Lab Sample ID:	Q1995-07	Matrix:	SOIL
		% Solid:	85.7

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
TOC	4740		1	28.9	250	mg/Kg		05/16/25 11:49	9060A

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements
 H = Sample Analysis Out Of Hold Time

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: TechLaw Consultants, Inc

SDG No.: Q1995

Project: REAC - 83150.1.029.08ME.A.LPV818.0800

RunNo.: LB135795

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	1030	1000	103	90-110	03/14/2025
Sample ID: CCV1 TOC	mg/L	992	1000	99	90-110	05/16/2025
Sample ID: CCV2 TOC	mg/L	1030	1000	103	90-110	05/16/2025
Sample ID: CCV3 TOC	mg/L	1030	1000	103	90-110	05/16/2025

Initial and Continuing Calibration Verification

Client: TechLaw Consultants, Inc

SDG No.: Q1995

Project: REAC - 83150.1.029.08ME.A.LPV818.0800

RunNo.: LB135795

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: TechLaw Consultants, Inc

SDG No.: Q1995

Project: REAC - 83150.1.029.08ME.A.LPV818.0800

RunNo.: LB135795

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	03/14/2025
Sample ID: CCB1 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	05/16/2025
Sample ID: CCB2 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	05/16/2025
Sample ID: CCB3 TOC	mg/L	< 125.0000	125.0000	U	22.3	250	05/16/2025

Initial and Continuing Calibration Blank Summary

Client: TechLaw Consultants, Inc

SDG No.: Q1995

Project: REAC - 83150.1.029.08ME.A.LPV818.0800

RunNo.: LB135795

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: TechLaw Consultants, Inc

SDG No.: Q1995

Project: REAC - 83150.1.029.08ME.A.LPV818.0800

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB135795BLS						
TOC	mg/Kg	< 125.0000	125.0000	U	28.9	250	05/16/2025

Matrix Spike Summary

Client:	TechLaw Consultants, Inc	SDG No.:	Q1995
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Sample ID:	Q1995-05
Client ID:	ERT-277MS	Percent Solids for Spike Sample:	88

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	7460		6500		1000	1	96		05/16/2025

Matrix Spike Summary

Client:	TechLaw Consultants, Inc	SDG No.:	Q1995
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Sample ID:	Q1995-05
Client ID:	ERT-277MSD	Percent Solids for Spike Sample:	88

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
TOC	mg/Kg	75-125	7560		6500		1000	1	106		05/16/2025

Duplicate Sample Summary

Client:	TechLaw Consultants, Inc	SDG No.:	Q1995
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Sample ID:	Q1995-05
Client ID:	ERT-277MSD	Percent Solids for Spike Sample:	88

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
TOC	mg/Kg	+/-20	7460		7560		1	1		05/16/2025

Laboratory Control Sample Summary

Client:	TechLaw Consultants, Inc	SDG No.:	Q1995
Project:	REAC - 83150.1.029.08ME.A.LPV818.0800	Run No.:	LB135795

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135795BSS							
TOC	mg/Kg	1000	1010		101	1	90-110	05/16/2025



SHIPPING DOCUMENTS

USEPA / REAC

DateShipped: 5/8/2025

CarrierName: FedEx

Project Code: TechLaw REAC

CHAIN OF CUSTODY RECORD

Site #: MTD986073252

Contact Name: Jean Bolduc

Contact Phone: 949-321-4280

No: 8-050825-092440-0016

Cooler #: 1

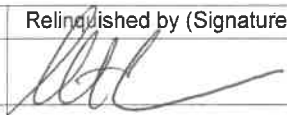
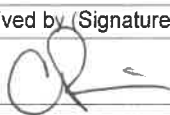
Lab: CHEMTECH

Lab Phone: 908-728-3144

Lab #	Sample #	Location	Sub Location	Analyses	Matrix	Sample Date	Sample Time	Numb Cont	Container	Preservative	Lab QC
	ERT-273	DL-08B	9' - 10'	TOC	Soil	5/6/2025	11:15	1	16 oz Glass Jar	4 C	N
	ERT-273	DL-08B	9' - 10'	% Moisture	Soil	5/6/2025	11:15	1	2 oz Glass Jar	4 C	N
	ERT-274	DL-09	19.5' - 20.5'	TOC	Soil	5/7/2025	08:05	1	16 oz Glass Jar	4 C	N
	ERT-274	DL-09	19.5' - 20.5'	% Moisture	Soil	5/7/2025	08:05	1	2 oz Glass Jar	4 C	N
	ERT-275	DL-09	24' - 25'	TOC	Soil	5/7/2025	08:15	1	16 oz Glass Jar	4 C	N
	ERT-275	DL-09	24' - 25'	% Moisture	Soil	5/7/2025	08:15	1	2 oz Glass Jar	4 C	N
	ERT-276	DL-14	14' - 15'	TOC	Soil	5/7/2025	09:50	1	16 oz Glass Jar	4 C	N
	ERT-276	DL-14	14' - 15'	% Moisture	Soil	5/7/2025	09:50	1	2 oz Glass Jar	4 C	N
	ERT-277	DL-14	19' - 20'	TOC	Soil	5/7/2025	10:05	1	16 oz Glass Jar	4 C	N
	ERT-277	DL-14	19' - 20'	% Moisture	Soil	5/7/2025	10:05	1	2 oz Glass Jar	4 C	N
	ERT-278	DL-14	24' - 25'	TOC	Soil	5/7/2025	10:07	1	16 oz Glass Jar	4 C	N
	ERT-278	DL-14	24' - 25'	% Moisture	Soil	5/7/2025	10:07	1	2 oz Glass Jar	4 C	N
	ERT-279	DL-14	20' - 22'	TOC	Soil	5/7/2025	10:10	1	16 oz Glass Jar	4 C	N
	ERT-279	DL-14	20' - 22'	% Moisture	Soil	5/7/2025	10:10	1	2 oz Glass Jar	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL ANALYSIS	 EPA/ERT	5/8/2025 0945	 CR	10:18 5/9/25	IR-Gun# 1 4.7°C Custody Seal Intact No Temp Blank Adjust Factor +1°C

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488