

## **DATA PACKAGE**

VOLATILE ORGANICS  
GENERAL CHEMISTRY

**PROJECT NAME : TRANSFER STATION-SPDES**

**TULLY ENVIRONMENTAL, INC**

**127-50 Northern Blvd.**

**Flushing, NY - 11368**

**Phone No: 718-446-7000**

**ORDER ID : Q1012**

**ATTENTION : Dean Devoe**



**Laboratory Certification ID # 20012**



1) Signature Page	3
2) Case Narrative	4
2.1) VOC-BTEX- Case Narrative	4
2.2) Genchem- Case Narrative	6
3) Qualifier Page	7
4) QA Checklist	9
5) VOC-BTEX Data	10
6) Genchem Data	14
7) Shipping Document	20
7.1) CHAIN OF CUSTODY	21
7.2) Lab Certificate	22
7.3) Internal COC	23

## Cover Page

**Order ID :** Q1012

**Project ID :** Transfer Station-SPDES

**Client :** Tully Environmental, Inc

### Lab Sample Number

Q1012-01  
Q1012-02  
Q1012-03  
Q1012-04

### Client Sample Number

001 WILLETS PT BLVD (NOV)  
002 35TH AVE (DEC)  
001 WILLETS PT BLVD (DEC)  
002 35TH AVE (NOV)

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: 1/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Tully Environmental, Inc**

**Project Name: Transfer Station-SPDES**

**Project # N/A**

**Chemtech Project # Q1012**

**Test Name: VOC-BTEX**

### **A. Number of Samples and Date of Receipt:**

4 Water samples were received on 01/06/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: TSS and VOC-BTEX. This data package contains results for VOC-BTEX.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-BTEX was based on method 624.1.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

### **E. Additional Comments:**

“As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <35% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 35% for the Initial Calibration curve for SW-846 analysis.



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

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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\_\_\_\_\_



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

## **CASE NARRATIVE**

**Tully Environmental, Inc**

**Project Name: Transfer Station-SPDES**

**Project # N/A**

**Chemtech Project # Q1012**

**Test Name: TSS**

**A. Number of Samples and Date of Receipt:**

4 Water samples were received on 01/06/2025.

**B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: TSS and VOC-BTEX. This data package contains results for TSS.

**C. Analytical Techniques:**

The analysis of TSS was based on method SM2540 D.

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

The Calibration met the requirements.

**E. Additional Comments:**

---

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:

<b>J</b>	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).
<b>U</b>	Indicates the analyte was analyzed for, but not detected.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>E</b>	Indicates the reported value is estimated because of the presence of interference
<b>M</b>	Indicates Duplicate injection precision not met.
<b>N</b>	Indicates the spiked sample recovery is not within control limits.
<b>S</b>	Indicates the reported value was determined by the Method of Standard Addition (MSA).
<b>*</b>	Indicates that the duplicate analysis is not within control limits.
<b>+</b>	Indicates the correlation coefficient for the MSA is less than 0.995.
<b>D</b>	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
<b>M</b>	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
<b>OR</b>	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements
<b>H</b>	Sample Analysis Out Of Hold Time

## DATA REPORTING QUALIFIERS- ORGANIC

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

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul>
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements



## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1012

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: 01/10/2025

**Hit Summary Sheet**  
SW-846

**SDG No.:** Q1012  
**Client:** Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID:</b>	<b>001 WILLETS PT BLVD (DEC)</b>							
Q1012-03	001 WILLETS PT F Water	Toluene		79.5		0.72	5.00	ug/L
		<b>Total Voc :</b>		79.5				
		<b>Total Concentration:</b>		79.5				



# SAMPLE DATA

## Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:	01/03/25	
Project:	Transfer Station-SPDES		Date Received:	01/06/25	
Client Sample ID:	001 WILLETS PT BLVD (DEC)		SDG No.:	Q1012	
Lab Sample ID:	Q1012-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-BTEX	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085394.D	1		01/07/25 12:41	VN010725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
71-43-2	Benzene	0.69	U	0.69	5.00	ug/L
108-88-3	Toluene	79.5		0.72	5.00	ug/L
100-41-4	Ethyl Benzene	0.73	U	0.73	5.00	ug/L
179601-23-1	m/p-Xylenes	1.70	U	1.70	10.0	ug/L
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/L
<b>SURROGATES</b>						
17060-07-0	1,2-Dichloroethane-d4	30.7		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	27.2		91 - 112	91%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.9		63 - 112	83%	SPK: 30
<b>INTERNAL STANDARDS</b>						
74-97-5	Bromochloromethane	22800	7.806			
540-36-3	1,4-Difluorobenzene	112000	9.1			
3114-55-4	Chlorobenzene-d5	109000	11.859			

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

LAB CHRONICLE

OrderID:	Q1012	OrderDate:	1/6/2025 7:46:00 AM
Client:	Tully Environmental, Inc	Project:	Transfer Station-SPDES
Contact:	Dean Devoe	Location:	--Select--,M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1012-03	001 WILLETS PT BLVD (DEC)	Water	VOC-BTEX	624.1	01/03/25		01/07/25	01/06/25



# SAMPLE DATA

## Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	01/03/25 11:30
Project:	Transfer Station-SPDES	Date Received:	01/06/25
Client Sample ID:	001 WILLETS PT BLVD (NOV)	SDG No.:	Q1012
Lab Sample ID:	Q1012-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	68.0		1	1.00	4.00	mg/L		01/07/25 10:00	SM 2540 D-15

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:	Tully Environmental, Inc	Date Collected:	01/03/25 11:30
Project:	Transfer Station-SPDES	Date Received:	01/06/25
Client Sample ID:	002 35TH AVE (DEC)	SDG No.:	Q1012
Lab Sample ID:	Q1012-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	32.3		1	1.00	4.00	mg/L		01/07/25 10:00	SM 2540 D-15

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:	Tully Environmental, Inc	Date Collected:	01/03/25 11:30
Project:	Transfer Station-SPDES	Date Received:	01/06/25
Client Sample ID:	001 WILLETS PT BLVD (DEC)	SDG No.:	Q1012
Lab Sample ID:	Q1012-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	42.8		1	1.00	4.00	mg/L		01/07/25 10:00	SM 2540 D-15

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:	Tully Environmental, Inc	Date Collected:	01/03/25 11:30
Project:	Transfer Station-SPDES	Date Received:	01/06/25
Client Sample ID:	002 35TH AVE (NOV)	SDG No.:	Q1012
Lab Sample ID:	Q1012-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	35.5		1	1.00	4.00	mg/L		01/07/25 10:00	SM 2540 D-15

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

## LAB CHRONICLE

<b>OrderID:</b>	Q1012	<b>OrderDate:</b>	1/6/2025 7:46:00 AM
<b>Client:</b>	Tully Environmental, Inc	<b>Project:</b>	Transfer Station-SPDES
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	--Select--,M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1012-01</b>	<b>001 WILLETS PT BLVD (NOV)</b>	<b>WATER</b>			<b>01/03/25 11:30</b>			<b>01/06/25</b>
			TSS	SM2540 D			01/07/25 10:00	
<b>Q1012-02</b>	<b>002 35TH AVE (DEC)</b>	<b>WATER</b>			<b>01/03/25 11:30</b>			<b>01/06/25</b>
			TSS	SM2540 D			01/07/25 10:00	
<b>Q1012-03</b>	<b>001 WILLETS PT BLVD (DEC)</b>	<b>WATER</b>			<b>01/03/25 11:30</b>			<b>01/06/25</b>
			TSS	SM2540 D			01/07/25 10:00	
<b>Q1012-04</b>	<b>002 35TH AVE (NOV)</b>	<b>WATER</b>			<b>01/03/25 11:30</b>			<b>01/06/25</b>
			TSS	SM2540 D			01/07/25 10:00	



# SHIPPING DOCUMENTS

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 • Fax (908) 789-8922  
[www.chemtech.net](http://www.chemtech.net)

CHEMTECH PROJECT NO. Q1012  
QUOTE NO.  
COC Number 2041599

# CHAIN OF CUSTODY RECORD

CLIENT INFORMATION		REPORT TO BE SENT TO:		CLIENT PROJECT INFORMATION		CLIENT BILLING INFORMATION							
COMPANY: Tully Environmental Inc		PROJECT NAME: Transit Station SPDES		BILL TO: Same		PO#:							
ADDRESS: 57 Scavien Blvd		PROJECT NO.: 252113		ADDRESS:									
CITY: Pt Washington		STATE: NY		CITY:		STATE: ZIP:							
ATTENTION: D Dene		PROJECT MANAGER:		ATTENTION:		PHONE:							
PHONE: 718 446 7000		FAX:		PHONE:		FAX:							
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		PRESERVATIVES		COMMENTS							
FAX (RUSH) ASAP		Level 1 (Results Only) <input type="checkbox"/> Level 4 (QC + Full Raw Data) <input type="checkbox"/>				Specify Preservatives							
HARDCOPY (DATA PACKAGE):		Level 2 (Results + QC) <input type="checkbox"/> NJ Reduced <input type="checkbox"/> US EPA CLP <input type="checkbox"/>				A-HCl D-NaOH							
EED: TO BE APPROVED BY CHEMTECH		Level 3 (Results + QC + Raw Data) <input type="checkbox"/> NYS ASP A <input type="checkbox"/> NYS ASP B <input type="checkbox"/> Other <input type="checkbox"/>				B-HNO3 E-ICE							
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS		<input type="checkbox"/> EDD FORMAT				C-H2SO4 F-OTHER							
CHEMTECH SAMPLE ID		PROJECT IDENTIFICATION		SAMPLE TYPE		SAMPLE COLLECTION		DATE		TIME		OF BOTTLES	
1.		001 Willets Pt Blvd (Nov)		W		X		11/3		1130		1	
2.		002 35th Ave (Dec)		W		X		11/3		1130		1	
3.		001 Willets Pt Blvd (Dec)		W		X		11/3		1130		3	
4.		002 35th Ave (Nov)		W		X		11/3		1130		1	
5.													
6.													
7.													
8.													
9.													
10.													
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY													
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		CONDITIONS OF BOTTLES OR COOLERS AT RECEIPT:		COMPLIANT <input type="checkbox"/> NON COMPLIANT <input checked="" type="checkbox"/>		COOLER TEMP: 1-1 °C	
1. D Dene		11/3/25		1. J. (J. 1-6-2025		11/3/25							
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:		DATE/TIME:							
2.				2.									
RELINQUISHED BY SAMPLER:		DATE/TIME:		RECEIVED BY:		DATE/TIME:							
3.				3.									
CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other <input type="checkbox"/> Picked Up <input type="checkbox"/> Field Sampling <input type="checkbox"/> Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO													
Page _____ of _____													
Comments:													
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY BULK - SAMPLER COPY													

**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

## LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1012 TULL01

Order Date : 1/6/2025 7:46:00 AM

Project Mgr :

Client Name : Tully Environmental, Inc

Project Name : Transfer Station-SPDES

Report Type : Results Only

Client Contact : Dean Devoe

Receive DateTime : 1/6/2025 11:10:00 AM

EDD Type : EXCEL NOCLEANUP

Invoice Name : Tully Environmental, Inc

Purchase Order :

Hard Copy Date :

Invoice Contact : Dean Devoe

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1012-03	001 WILLETS PT BLVD (DEC)	Water	01/03/2025	11:30	VOC-BTEX		624.1		1 Bus. Day

Relinquished By :



Date / Time :

1/6/25 12:10

Received By :



Date / Time :

01/06/25 12:10 Ref H5

Storage Area : VOA Refridgerator Room