

## **DATA PACKAGE**

VOLATILE ORGANICS  
GENERAL CHEMISTRY  
METALS  
GC SEMI-VOLATILES  
SEMI-VOLATILE ORGANICS

**PROJECT NAME : ROCKAWAY FWY - BEACH CHANNEL DR QUEENS NY**

**TULLY CONSTRUCTION CO., INC.**

**127-50 Northern Boulevard**

**Flushing, NY - 11368-1520**

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

**ORDER ID : Q1698**

**ATTENTION : Dean Devoe**



**Laboratory Certification ID # 20012**



1) Signature Page	3
2) Case Narrative	4
2.1) VOC-TCLVOA-10- Case Narrative	4
2.2) SVOC-PAH- Case Narrative	6
2.3) PCB- Case Narrative	8
2.4) TPH GC- Case Narrative	10
2.5) Metals-AES- Case Narrative	12
2.6) Metals-TCLP- Case Narrative	14
2.7) Genchem- Case Narrative	15
3) Qualifier Page	16
4) QA Checklist	18
5) VOC-TCLVOA-10 Data	19
6) SVOC-PAH Data	28
7) PCB Data	38
8) TPH GC Data	43
9) Metals-AES Data	53
10) Metals-TCLP Data	59
11) Genchem Data	64
12) Shipping Document	68
12.1) CHAIN OF CUSTODY	69
12.2) Lab Certificate	72
12.3) Internal COC	73

1
2
3
4
5
6
7
8
9
10
11
12

## Cover Page

**Order ID :** Q1698

**Project ID :** Rockaway Fwy - Beach Channel Dr Queens NY

**Client :** Tully Construction Co., Inc.

### Lab Sample Number

Q1698-01  
Q1698-02  
Q1698-03  
Q1698-04  
Q1698-05  
Q1698-06  
Q1698-07  
Q1698-08  
Q1698-09  
Q1698-10  
Q1698-11  
Q1698-12

### Client Sample Number

B-9  
B-9  
B-9  
B-9-TPH-2  
B-9-TPH-3  
B-9-TPH-4  
B-10  
B-10  
B-10  
B-10-TPH-2  
B-10-TPH-3  
B-10-TPH-4

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: 4/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: MTA Rockaway Park**

**Project # N/A**

**Chemtech Project # Q1698**

**Test Name: VOC-TCLVOA-10**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

The analysis performed on instrument MSVOA\_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOC-TCLVOA-10 was based on method 8260D.

### **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 %RSD is greater than 20% in the Initial Calibration method (82Y032725S.M) for Methylene Chloride is passing on Linear Regression.

The Continuous Calibration File ID VY021764.D met the requirements except for Acetone failing marginally low and Methyl Acetate failing high but no positive hit in any associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

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

As per special requirement for this project form-1 are reported in mg/kg.



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Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

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 <20% 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 > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

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

---

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## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: MTA Rockaway Park**

**Project # N/A**

**Chemtech Project # Q1698**

**Test Name: SVOC-PAH**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for SVOC-PAH.

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

The samples were analyzed on instrument BNA\_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-PAH was based on method 8270E and extraction was done based on method 3541.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for PB167436BL Terphenyl-d14 - 128%], surrogate was marginally outside the QC limits,Therefore no Corrective Action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD for {Q1694-01MSD} with File ID: BM049823.D met criteria except for Benzo(a)anthracene[24%],due to difference in results of MS and MSD.

The Blank Spike for {PB167436BS} with File ID: BM049819.D met requirements for all samples except for Benzo(a)pyrene[106%] was marginally failing high, therefore no Corrective Action was taken.

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.

Samples B-9 was diluted due to bed matrix.

Sample B-9 analyzed with direct 5x dilution due to dirty, concentrated and viscous matrix.

**E. Additional Comments:**

As per special requirement for this project form-1 and Hit Summary are reported in mg/kg.

The soil samples results are based on a dry weight basis.  
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 <20% 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 > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

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

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## **CASE NARRATIVE**

**Tully Construction Co., Inc.**  
**Project Name: MTA Rockaway Park**  
**Project # N/A**  
**Chemtech Project # Q1698**  
**Test Name: PCB**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for PCB.

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

The analyses were performed on instrument GCECD\_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

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

The Holding Times were met for all analysis.  
The Surrogate recoveries met the acceptable criteria.  
The Retention Times were acceptable for all samples.  
The MS recoveries met the requirements for all compounds .  
The MSD recoveries met the acceptable requirements .  
The RPD met criteria .  
The Blank Spike 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 File ID PP071065.D met the requirements except for Aroclor-1260(Peak-01) is failing in 1st column, however it is passed in 2nd column therefore no corrective action was taken.

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

As per special requirement for this project form-1 are reported in mg/kg.  
The soil samples results are based on a dry weight basis.

### **F. Manual Integration Comments:**



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

---

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## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: MTA Rockaway Park**

**Project # N/A**

**Chemtech Project # Q1698**

**Test Name: TPH GC**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for TPH GC.

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

The analysis were performed on instrument FID\_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of TPH GC was based on method 8015D and extraction was done based on method 3541.

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for B-9 [TETRACOSANE-d50 - 0%], B-9-TPH-3 [TETRACOSANE-d50 - 0%] and B-9-TPH-4 [TETRACOSANE-d50 - 0%]. Surrogates were diluted out due to the high dilution. No further corrective action was taken.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike 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 .

Samples B-9, B-9-TPH-2, B-9-TPH-3 and B-9-TPH-4 were diluted due to high concentrations.

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

As per special requirement for this project form-1 are reported in mg/kg.



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The soil samples results are based on a dry weight basis.

**F. Manual Integration Comments:**

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

---

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## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: Rockaway Fwy - Beach Channel Dr Queens NY**

**Project # N/A**

**Chemtech Project # Q1698**

**Test Name: Metals ICP-TAL,Mercury**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

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

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

### **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 (AU-05-040325MS) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike (B-10MS) analysis met criteria for all samples except for Antimony due to matrix interference.

The Matrix Spike Duplicate (AU-05-040325MSD) analysis met criteria for all samples except for Mercury due to matrix interference.

The Matrix Spike Duplicate (B-10MSD) analysis met criteria for all samples except for Antimony due to matrix interference.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

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

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## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: Rockaway Fwy - Beach Channel Dr Queens NY**

**Project # N/A**

**Chemtech Project # Q1698**

**Test Name: TCLP Mercury, TCLP ICP Metals**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for TCLP Mercury, TCLP ICP Metals.

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

The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

### **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.

The Serial Dilution met the acceptable requirements.

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

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Signature\_\_\_\_\_



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## **CASE NARRATIVE**

**Tully Construction Co., Inc.**

**Project Name: MTA Rockaway Park**

**Project # N/A**

**Chemtech Project # Q1698**

**Test Name: Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide**

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

12 Solid samples were received on 04/02/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-PAH, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TPH GC and VOC-TCLVOA-10. This data package contains results for Corrosivity, Ignitability, Reactive Cyanide, Reactive Sulfide.

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

The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

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

The Holding Times were met for all samples except for B-10 of Corrosivity, for B-9 of Corrosivity as these samples received out of hold.

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:**

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## 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
<b>U</b>	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.
<b>ND</b>	Indicates the analyte was analyzed for, but not detected
<b>J</b>	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>B</b>	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
<b>E</b>	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
<b>D</b>	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
<b>P</b>	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”.
<b>N</b>	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.
<b>A</b>	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
<b>Q</b>	Indicates the LCS did not meet the control limits requirements

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1698

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: MOHAMMAD AHMED

Date: 04/10/2025

### Hit Summary Sheet SW-846

SDG No.: Q1698  
Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID:</b>	<b>B-9</b>							
Q1698-03	B-9	SOIL	Acetone	0.0085	J	0.0041	0.022	mg/Kg
			<b>Total Voc :</b>	0.0085				
Q1698-03	B-9	SOIL	1H-Indene, 2,3-dihydro-4-meth *	4.60	J	0	0	ug/Kg
Q1698-03	B-9	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	9.90	J	0	0	ug/Kg
			<b>Total Tics :</b>	14.5				
			<b>Total Concentration:</b>	14.5				



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9		SDG No.:	Q1698	
Lab Sample ID:	Q1698-03		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.6	
Sample Wt/Vol:	6.27	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021769.D	1		04/03/25 13:33	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.00098	U	0.00098	0.0043	mg/Kg
74-87-3	Chloromethane	0.00098	U	0.00098	0.0043	mg/Kg
75-01-4	Vinyl Chloride	0.00068	U	0.00068	0.0043	mg/Kg
74-83-9	Bromomethane	0.00092	U	0.00092	0.0043	mg/Kg
75-00-3	Chloroethane	0.0011	U	0.0011	0.0043	mg/Kg
75-69-4	Trichlorofluoromethane	0.0010	U	0.0010	0.0043	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00091	U	0.00091	0.0043	mg/Kg
75-35-4	1,1-Dichloroethene	0.00086	U	0.00086	0.0043	mg/Kg
67-64-1	Acetone	0.0085	J	0.0041	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.00091	U	0.00091	0.0043	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00063	U	0.00063	0.0043	mg/Kg
79-20-9	Methyl Acetate	0.0013	U	0.0013	0.0043	mg/Kg
75-09-2	Methylene Chloride	0.0030	U	0.0030	0.0086	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00074	U	0.00074	0.0043	mg/Kg
75-34-3	1,1-Dichloroethane	0.00069	U	0.00069	0.0043	mg/Kg
110-82-7	Cyclohexane	0.00068	U	0.00068	0.0043	mg/Kg
78-93-3	2-Butanone	0.0056	U	0.0056	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.00084	U	0.00084	0.0043	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00065	U	0.00065	0.0043	mg/Kg
74-97-5	Bromochloromethane	0.00099	U	0.00099	0.0043	mg/Kg
67-66-3	Chloroform	0.00072	U	0.00072	0.0043	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00080	U	0.00080	0.0043	mg/Kg
108-87-2	Methylcyclohexane	0.00078	U	0.00078	0.0043	mg/Kg
71-43-2	Benzene	0.00068	U	0.00068	0.0043	mg/Kg
107-06-2	1,2-Dichloroethane	0.00068	U	0.00068	0.0043	mg/Kg
79-01-6	Trichloroethene	0.00070	U	0.00070	0.0043	mg/Kg
78-87-5	1,2-Dichloropropane	0.00078	U	0.00078	0.0043	mg/Kg
75-27-4	Bromodichloromethane	0.00067	U	0.00067	0.0043	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0031	U	0.0031	0.022	mg/Kg
108-88-3	Toluene	0.00067	U	0.00067	0.0043	mg/Kg

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9		SDG No.:	Q1698	
Lab Sample ID:	Q1698-03		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.6	
Sample Wt/Vol:	6.27	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021769.D	1		04/03/25 13:33	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00056	U	0.00056	0.0043	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00053	U	0.00053	0.0043	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00079	U	0.00079	0.0043	mg/Kg
591-78-6	2-Hexanone	0.0032	U	0.0032	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.00075	U	0.00075	0.0043	mg/Kg
106-93-4	1,2-Dibromoethane	0.00076	U	0.00076	0.0043	mg/Kg
127-18-4	Tetrachloroethene	0.00090	U	0.00090	0.0043	mg/Kg
108-90-7	Chlorobenzene	0.00078	U	0.00078	0.0043	mg/Kg
100-41-4	Ethyl Benzene	0.00058	U	0.00058	0.0043	mg/Kg
179601-23-1	m/p-Xylenes	0.0011	U	0.0011	0.0086	mg/Kg
95-47-6	o-Xylene	0.00071	U	0.00071	0.0043	mg/Kg
100-42-5	Styrene	0.00061	U	0.00061	0.0043	mg/Kg
75-25-2	Bromoform	0.00074	U	0.00074	0.0043	mg/Kg
98-82-8	Isopropylbenzene	0.00067	U	0.00067	0.0043	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.0043	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0015	U	0.0015	0.0043	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0013	U	0.0013	0.0043	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0012	U	0.0012	0.0043	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0043	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	0.0026	0.0043	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0027	U	0.0027	0.0043	mg/Kg
<b>SURROGATES</b>						
17060-07-0	1,2-Dichloroethane-d4	56.0		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		70 - 134	92%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		38 - 136	95%	SPK: 50
<b>INTERNAL STANDARDS</b>						
363-72-4	Pentafluorobenzene	255000	7.707			
540-36-3	1,4-Difluorobenzene	495000	8.616			
3114-55-4	Chlorobenzene-d5	459000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	191000	13.347			
<b>TENTATIVE IDENTIFIED COMPOUNDS</b>						

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9		SDG No.:	Q1698	
Lab Sample ID:	Q1698-03		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	92.6	
Sample Wt/Vol:	6.27	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021769.D	1		04/03/25 13:33	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	9.90	J		13.9	ug/Kg
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	4.60	J		14.6	ug/Kg

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:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10		SDG No.:	Q1698	
Lab Sample ID:	Q1698-09		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	93.1	
Sample Wt/Vol:	6.09	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021770.D	1		04/03/25 13:56	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
75-71-8	Dichlorodifluoromethane	0.0010	U	0.0010	0.0044	mg/Kg
74-87-3	Chloromethane	0.0010	U	0.0010	0.0044	mg/Kg
75-01-4	Vinyl Chloride	0.00070	U	0.00070	0.0044	mg/Kg
74-83-9	Bromomethane	0.00094	U	0.00094	0.0044	mg/Kg
75-00-3	Chloroethane	0.0011	U	0.0011	0.0044	mg/Kg
75-69-4	Trichlorofluoromethane	0.0011	U	0.0011	0.0044	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00093	U	0.00093	0.0044	mg/Kg
75-35-4	1,1-Dichloroethene	0.00088	U	0.00088	0.0044	mg/Kg
67-64-1	Acetone	0.0042	U	0.0042	0.022	mg/Kg
75-15-0	Carbon Disulfide	0.00093	U	0.00093	0.0044	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00064	U	0.00064	0.0044	mg/Kg
79-20-9	Methyl Acetate	0.0014	U	0.0014	0.0044	mg/Kg
75-09-2	Methylene Chloride	0.0031	U	0.0031	0.0088	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00076	U	0.00076	0.0044	mg/Kg
75-34-3	1,1-Dichloroethane	0.00071	U	0.00071	0.0044	mg/Kg
110-82-7	Cyclohexane	0.00070	U	0.00070	0.0044	mg/Kg
78-93-3	2-Butanone	0.0058	U	0.0058	0.022	mg/Kg
56-23-5	Carbon Tetrachloride	0.00086	U	0.00086	0.0044	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00066	U	0.00066	0.0044	mg/Kg
74-97-5	Bromochloromethane	0.0010	U	0.0010	0.0044	mg/Kg
67-66-3	Chloroform	0.00074	U	0.00074	0.0044	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00082	U	0.00082	0.0044	mg/Kg
108-87-2	Methylcyclohexane	0.00080	U	0.00080	0.0044	mg/Kg
71-43-2	Benzene	0.00070	U	0.00070	0.0044	mg/Kg
107-06-2	1,2-Dichloroethane	0.00070	U	0.00070	0.0044	mg/Kg
79-01-6	Trichloroethene	0.00071	U	0.00071	0.0044	mg/Kg
78-87-5	1,2-Dichloropropane	0.00080	U	0.00080	0.0044	mg/Kg
75-27-4	Bromodichloromethane	0.00069	U	0.00069	0.0044	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0032	U	0.0032	0.022	mg/Kg
108-88-3	Toluene	0.00069	U	0.00069	0.0044	mg/Kg

## Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	93.1
Sample Wt/Vol:	6.09 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021770.D	1		04/03/25 13:56	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00057	U	0.00057	0.0044	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00055	U	0.00055	0.0044	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00081	U	0.00081	0.0044	mg/Kg
591-78-6	2-Hexanone	0.0033	U	0.0033	0.022	mg/Kg
124-48-1	Dibromochloromethane	0.00077	U	0.00077	0.0044	mg/Kg
106-93-4	1,2-Dibromoethane	0.00078	U	0.00078	0.0044	mg/Kg
127-18-4	Tetrachloroethene	0.00093	U	0.00093	0.0044	mg/Kg
108-90-7	Chlorobenzene	0.00080	U	0.00080	0.0044	mg/Kg
100-41-4	Ethyl Benzene	0.00059	U	0.00059	0.0044	mg/Kg
179601-23-1	m/p-Xylenes	0.0011	U	0.0011	0.0088	mg/Kg
95-47-6	o-Xylene	0.00072	U	0.00072	0.0044	mg/Kg
100-42-5	Styrene	0.00063	U	0.00063	0.0044	mg/Kg
75-25-2	Bromoform	0.00076	U	0.00076	0.0044	mg/Kg
98-82-8	Isopropylbenzene	0.00069	U	0.00069	0.0044	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0044	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.0015	U	0.0015	0.0044	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.0014	U	0.0014	0.0044	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.0013	U	0.0013	0.0044	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0044	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.0026	U	0.0026	0.0044	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.0028	U	0.0028	0.0044	mg/Kg
<b>SURROGATES</b>						
17060-07-0	1,2-Dichloroethane-d4	51.7		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 - 134	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		38 - 136	93%	SPK: 50
<b>INTERNAL STANDARDS</b>						
363-72-4	Pentafluorobenzene	264000	7.707			
540-36-3	1,4-Difluorobenzene	503000	8.616			
3114-55-4	Chlorobenzene-d5	459000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.346			

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10		SDG No.:	Q1698	
Lab Sample ID:	Q1698-09		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	93.1	
Sample Wt/Vol:	6.09	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021770.D	1		04/03/25 13:56	VY040325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

<b>OrderID:</b>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1698-03</b>	<b>B-9</b>	<b>SOIL</b>	VOC-TCLVOA-10	8260D	<b>04/02/25</b>		04/03/25	<b>04/02/25</b>
<b>Q1698-09</b>	<b>B-10</b>	<b>SOIL</b>	VOC-TCLVOA-10	8260D	<b>04/02/25</b>		04/03/25	<b>04/02/25</b>



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

A

B

C

D

### Hit Summary Sheet SW-846

SDG No.: Q1698

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID : B-9</b>								
Q1698-01	B-9	SOIL	Naphthalene	4.500		0.12	0.91	mg/Kg
Q1698-01	B-9	SOIL	Acenaphthylene	1.600		0.16	0.91	mg/Kg
Q1698-01	B-9	SOIL	Acenaphthene	3.400		0.11	0.91	mg/Kg
Q1698-01	B-9	SOIL	Fluorene	3.200		0.14	0.91	mg/Kg
Q1698-01	B-9	SOIL	Phenanthrene	25.200	E	0.11	0.91	mg/Kg
Q1698-01	B-9	SOIL	Anthracene	5.700		0.18	0.91	mg/Kg
Q1698-01	B-9	SOIL	Fluoranthene	21.300	E	0.16	0.91	mg/Kg
Q1698-01	B-9	SOIL	Pyrene	18.200	E	0.19	0.91	mg/Kg
Q1698-01	B-9	SOIL	Benzo(a)anthracene	9.700		0.12	0.91	mg/Kg
Q1698-01	B-9	SOIL	Chrysene	8.600		0.11	0.91	mg/Kg
Q1698-01	B-9	SOIL	Benzo(b)fluoranthene	9.400		0.10	0.91	mg/Kg
Q1698-01	B-9	SOIL	Benzo(k)fluoranthene	3.200		0.12	0.91	mg/Kg
Q1698-01	B-9	SOIL	Benzo(a)pyrene	9.000	Q	0.16	0.91	mg/Kg
Q1698-01	B-9	SOIL	Indeno(1,2,3-cd)pyrene	4.100		0.16	0.91	mg/Kg
Q1698-01	B-9	SOIL	Dibenzo(a,h)anthracene	1.200		0.15	0.91	mg/Kg
Q1698-01	B-9	SOIL	Benzo(g,h,i)perylene	4.800		0.14	0.91	mg/Kg

**Total Svoc : 133.10**

**Total Concentration: 133.10**

**Client ID : B-9DL**

Q1698-01DL	B-9DL	SOIL	Naphthalene	5.100	D	0.61	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Acenaphthene	3.700	JD	0.57	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Fluorene	3.600	JD	0.68	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Phenanthrene	34.500	D	0.56	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Anthracene	5.900	D	0.89	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Fluoranthene	31.800	D	0.80	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Pyrene	25.100	D	0.97	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Benzo(a)anthracene	10.300	D	0.62	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Chrysene	9.700	D	0.53	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Benzo(b)fluoranthene	9.600	D	0.51	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Benzo(k)fluoranthene	3.600	JD	0.60	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Benzo(a)pyrene	9.200	DQ	0.79	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Indeno(1,2,3-cd)pyrene	4.400	JD	0.78	4.60	mg/Kg
Q1698-01DL	B-9DL	SOIL	Benzo(g,h,i)perylene	5.300	D	0.69	4.60	mg/Kg

**Total Svoc : 161.80**

**Total Concentration: 161.80**

**Client ID : B-10**

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1698  
**Client:** Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1698-07	B-10	SOIL	Acenaphthylene	0.180		0.031	0.18	mg/Kg
Q1698-07	B-10	SOIL	Fluorene	0.086	J	0.027	0.18	mg/Kg
Q1698-07	B-10	SOIL	Phenanthrene	1.400		0.022	0.18	mg/Kg
Q1698-07	B-10	SOIL	Anthracene	0.200		0.036	0.18	mg/Kg
Q1698-07	B-10	SOIL	Fluoranthene	1.800		0.032	0.18	mg/Kg
Q1698-07	B-10	SOIL	Pyrene	1.500		0.039	0.18	mg/Kg
Q1698-07	B-10	SOIL	Benzo(a)anthracene	0.640		0.025	0.18	mg/Kg
Q1698-07	B-10	SOIL	Chrysene	0.660		0.021	0.18	mg/Kg
Q1698-07	B-10	SOIL	Benzo(b)fluoranthene	0.710		0.020	0.18	mg/Kg
Q1698-07	B-10	SOIL	Benzo(k)fluoranthene	0.270		0.024	0.18	mg/Kg
Q1698-07	B-10	SOIL	Benzo(a)pyrene	0.590	Q	0.032	0.18	mg/Kg
Q1698-07	B-10	SOIL	Indeno(1,2,3-cd)pyrene	0.310		0.031	0.18	mg/Kg
Q1698-07	B-10	SOIL	Dibenzo(a,h)anthracene	0.094	J	0.029	0.18	mg/Kg
Q1698-07	B-10	SOIL	Benzo(g,h,i)perylene	0.350		0.028	0.18	mg/Kg
<b>Total Svoc :</b>						<b>8.79</b>		
<b>Total Concentration:</b>						<b>8.79</b>		



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049813.D	5	04/03/25 09:25	04/03/25 19:50	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
91-20-3	Naphthalene	4.50		0.12	0.91	mg/Kg
208-96-8	Acenaphthylene	1.60		0.16	0.91	mg/Kg
83-32-9	Acenaphthene	3.40		0.11	0.91	mg/Kg
86-73-7	Fluorene	3.20		0.14	0.91	mg/Kg
85-01-8	Phenanthrene	25.2	E	0.11	0.91	mg/Kg
120-12-7	Anthracene	5.70		0.18	0.91	mg/Kg
206-44-0	Fluoranthene	21.3	E	0.16	0.91	mg/Kg
129-00-0	Pyrene	18.2	E	0.19	0.91	mg/Kg
56-55-3	Benzo(a)anthracene	9.70		0.12	0.91	mg/Kg
218-01-9	Chrysene	8.60		0.11	0.91	mg/Kg
205-99-2	Benzo(b)fluoranthene	9.40		0.10	0.91	mg/Kg
207-08-9	Benzo(k)fluoranthene	3.20		0.12	0.91	mg/Kg
50-32-8	Benzo(a)pyrene	9.00	Q	0.16	0.91	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4.10		0.16	0.91	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.20		0.15	0.91	mg/Kg
191-24-2	Benzo(g,h,i)perylene	4.80		0.14	0.91	mg/Kg
<b>SURROGATES</b>						
4165-60-0	Nitrobenzene-d5	61.1		18 - 107	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.0		20 - 109	59%	SPK: 100
1718-51-0	Terphenyl-d14	53.8		10 - 105	54%	SPK: 100
<b>INTERNAL STANDARDS</b>						
3855-82-1	1,4-Dichlorobenzene-d4	436000		7.787		
1146-65-2	Naphthalene-d8	1540000		10.586		
15067-26-2	Acenaphthene-d10	1000000		14.433		
1517-22-2	Phenanthrene-d10	1940000		17.174		
1719-03-5	Chrysene-d12	2030000		21.409		
1520-96-3	Perylene-d12	2040000		24.421		

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9		SDG No.:	Q1698	
Lab Sample ID:	Q1698-01		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	93	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-PAH	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049813.D	5	04/03/25 09:25	04/03/25 19:50	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9DL	SDG No.:	Q1698
Lab Sample ID:	Q1698-01DL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049825.D	25	04/03/25 09:25	04/04/25 16:01	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
91-20-3	Naphthalene	5.10	D	0.61	4.60	mg/Kg
208-96-8	Acenaphthylene	0.78	UD	0.78	4.60	mg/Kg
83-32-9	Acenaphthene	3.70	JD	0.57	4.60	mg/Kg
86-73-7	Fluorene	3.60	JD	0.68	4.60	mg/Kg
85-01-8	Phenanthrene	34.5	D	0.56	4.60	mg/Kg
120-12-7	Anthracene	5.90	D	0.89	4.60	mg/Kg
206-44-0	Fluoranthene	31.8	D	0.80	4.60	mg/Kg
129-00-0	Pyrene	25.1	D	0.97	4.60	mg/Kg
56-55-3	Benzo(a)anthracene	10.3	D	0.62	4.60	mg/Kg
218-01-9	Chrysene	9.70	D	0.53	4.60	mg/Kg
205-99-2	Benzo(b)fluoranthene	9.60	D	0.51	4.60	mg/Kg
207-08-9	Benzo(k)fluoranthene	3.60	JD	0.60	4.60	mg/Kg
50-32-8	Benzo(a)pyrene	9.20	DQ	0.79	4.60	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4.40	JD	0.78	4.60	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.74	UD	0.74	4.60	mg/Kg
191-24-2	Benzo(g,h,i)perylene	5.30	D	0.69	4.60	mg/Kg
<b>SURROGATES</b>						
4165-60-0	Nitrobenzene-d5	64.6		18 - 107	65%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.0		20 - 109	64%	SPK: 100
1718-51-0	Terphenyl-d14	61.0		10 - 105	61%	SPK: 100
<b>INTERNAL STANDARDS</b>						
3855-82-1	1,4-Dichlorobenzene-d4	261000	7.787			
1146-65-2	Naphthalene-d8	943000	10.58			
15067-26-2	Acenaphthene-d10	644000	14.427			
1517-22-2	Phenanthrene-d10	1340000	17.168			
1719-03-5	Chrysene-d12	1410000	21.403			
1520-96-3	Perylene-d12	1480000	24.403			

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9DL		SDG No.:	Q1698	
Lab Sample ID:	Q1698-01DL		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	93	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-PAH	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049825.D	25	04/03/25 09:25	04/04/25 16:01	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-PAH
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049809.D	1	04/03/25 09:25	04/03/25 17:14	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
91-20-3	Naphthalene	0.024	U	0.024	0.18	mg/Kg
208-96-8	Acenaphthylene	0.18		0.031	0.18	mg/Kg
83-32-9	Acenaphthene	0.023	U	0.023	0.18	mg/Kg
86-73-7	Fluorene	0.086	J	0.027	0.18	mg/Kg
85-01-8	Phenanthrene	1.40		0.022	0.18	mg/Kg
120-12-7	Anthracene	0.20		0.036	0.18	mg/Kg
206-44-0	Fluoranthene	1.80		0.032	0.18	mg/Kg
129-00-0	Pyrene	1.50		0.039	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.64		0.025	0.18	mg/Kg
218-01-9	Chrysene	0.66		0.021	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.71		0.020	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.27		0.024	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.59	Q	0.032	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.31		0.031	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.094	J	0.029	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.35		0.028	0.18	mg/Kg
<b>SURROGATES</b>						
4165-60-0	Nitrobenzene-d5	66.0		18 - 107	66%	SPK: 100
321-60-8	2-Fluorobiphenyl	60.7		20 - 109	61%	SPK: 100
1718-51-0	Terphenyl-d14	63.7		10 - 105	64%	SPK: 100
<b>INTERNAL STANDARDS</b>						
3855-82-1	1,4-Dichlorobenzene-d4	325000	7.786			
1146-65-2	Naphthalene-d8	1130000	10.58			
15067-26-2	Acenaphthene-d10	730000	14.427			
1517-22-2	Phenanthrene-d10	1450000	17.168			
1719-03-5	Chrysene-d12	1520000	21.403			
1520-96-3	Perylene-d12	1550000	24.403			

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10		SDG No.:	Q1698	
Lab Sample ID:	Q1698-07		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	93.4	
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-PAH	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049809.D	1	04/03/25 09:25	04/03/25 17:14	PB167436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

<b>OrderID:</b>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1698-01</b>	<b>B-9</b>	<b>SOIL</b>	SVOC-PAH	8270E	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
<b>Q1698-01DL</b>	<b>B-9DL</b>	<b>SOIL</b>	SVOC-PAH	8270E	<b>04/02/25</b>	04/03/25	04/04/25	<b>04/02/25</b>
<b>Q1698-07</b>	<b>B-10</b>	<b>SOIL</b>	SVOC-PAH	8270E	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>

**Hit Summary Sheet**  
SW-846

**SDG No.:** Q1698

**Order ID:** Q1698

**Client:** Tully Construction Co., Inc.

**Project ID:** MTA Rockaway Park

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

**Total Concentration: 0.000**

A

B

C

D



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9		SDG No.:	Q1698	
Lab Sample ID:	Q1698-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	93	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071060.D	1	04/03/25 08:54	04/03/25 13:56	PB167434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
12674-11-2	Aroclor-1016	0.0042	U	0.0042	0.018	mg/Kg
11104-28-2	Aroclor-1221	0.0043	U	0.0043	0.018	mg/Kg
11141-16-5	Aroclor-1232	0.0040	U	0.0040	0.018	mg/Kg
53469-21-9	Aroclor-1242	0.0043	U	0.0043	0.018	mg/Kg
12672-29-6	Aroclor-1248	0.0063	U	0.0063	0.018	mg/Kg
11097-69-1	Aroclor-1254	0.0034	U	0.0034	0.018	mg/Kg
37324-23-5	Aroclor-1262	0.0054	U	0.0054	0.018	mg/Kg
11100-14-4	Aroclor-1268	0.0039	U	0.0039	0.018	mg/Kg
11096-82-5	Aroclor-1260	0.0035	U	0.0035	0.018	mg/Kg
<b>SURROGATES</b>						
877-09-8	Tetrachloro-m-xylene	28.3		32 - 144	142%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	114%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10		SDG No.:	Q1698	
Lab Sample ID:	Q1698-07		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	93.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071061.D	1	04/03/25 08:54	04/03/25 14:12	PB167434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
12674-11-2	Aroclor-1016	0.0042	U	0.0042	0.018	mg/Kg
11104-28-2	Aroclor-1221	0.0043	U	0.0043	0.018	mg/Kg
11141-16-5	Aroclor-1232	0.0040	U	0.0040	0.018	mg/Kg
53469-21-9	Aroclor-1242	0.0043	U	0.0043	0.018	mg/Kg
12672-29-6	Aroclor-1248	0.0063	U	0.0063	0.018	mg/Kg
11097-69-1	Aroclor-1254	0.0034	U	0.0034	0.018	mg/Kg
37324-23-5	Aroclor-1262	0.0054	U	0.0054	0.018	mg/Kg
11100-14-4	Aroclor-1268	0.0038	U	0.0038	0.018	mg/Kg
11096-82-5	Aroclor-1260	0.0034	U	0.0034	0.018	mg/Kg
<b>SURROGATES</b>						
877-09-8	Tetrachloro-m-xylene	25.7		32 - 144	129%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		32 - 175	108%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates &gt;25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## LAB CHRONICLE

<b>OrderID:</b>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1698-01</b>	<b>B-9</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			PCB	8082A		04/03/25	04/03/25	
			TPH GC	8015D		04/03/25	04/03/25	
<b>Q1698-04</b>	<b>B-9-TPH-2</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/03/25	
<b>Q1698-05</b>	<b>B-9-TPH-3</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/03/25	
			TPH GC	8015D		04/03/25	04/04/25	
<b>Q1698-06</b>	<b>B-9-TPH-4</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/03/25	
			TPH GC	8015D		04/03/25	04/04/25	
<b>Q1698-07</b>	<b>B-10</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			PCB	8082A		04/03/25	04/03/25	
			TPH GC	8015D		04/03/25	04/03/25	
<b>Q1698-10</b>	<b>B-10-TPH-2</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/03/25	
<b>Q1698-11</b>	<b>B-10-TPH-3</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/03/25	
<b>Q1698-12</b>	<b>B-10-TPH-4</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/03/25	



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9		SDG No.:	Q1698	
Lab Sample ID:	Q1698-01		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	93	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015631.D	200	04/03/25 08:00	04/03/25 23:25	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	2340		82.5	609	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	0.00	*	37 - 130	0%	SPK: 20

### Comments:

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9-TPH-2		SDG No.:	Q1698	
Lab Sample ID:	Q1698-04		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	92.3	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015632.D	20	04/03/25 08:00	04/03/25 23:54	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	204		8.31	61.3	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	1.08		37 - 130	108%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9-TPH-3		SDG No.:	Q1698	
Lab Sample ID:	Q1698-05		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	91.7	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015633.D	50	04/03/25 08:00	04/04/25 0:23	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	2460		20.9	154	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	0.00	*	37 - 130	0%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-9-TPH-4		SDG No.:	Q1698	
Lab Sample ID:	Q1698-06		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	92	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015634.D	50	04/03/25 08:00	04/04/25 0:53	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	2650		20.9	154	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	0.00	*	37 - 130	0%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10		SDG No.:	Q1698	
Lab Sample ID:	Q1698-07		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	93.4	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015624.D	1	04/03/25 08:00	04/03/25 18:02	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	33.9		0.41	3.03	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	13.8		37 - 130	69%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10-TPH-2	SDG No.:	Q1698
Lab Sample ID:	Q1698-10	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	93.8
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TPH GC
GPC Factor :		Injection Volume :	
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015619.D	1	04/03/25 08:00	04/03/25 15:04	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	50.0		0.41	3.02	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	13.8		37 - 130	69%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10-TPH-3		SDG No.:	Q1698	
Lab Sample ID:	Q1698-11		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	93.2	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015627.D	1	04/03/25 08:00	04/03/25 19:30	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	43.0		0.41	3.03	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	15.8		37 - 130	79%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## Report of Analysis

Client:	Tully Construction Co., Inc.		Date Collected:	04/02/25	
Project:	MTA Rockaway Park		Date Received:	04/02/25	
Client Sample ID:	B-10-TPH-4		SDG No.:	Q1698	
Lab Sample ID:	Q1698-12		Matrix:	SOIL	
Analytical Method:	8015D TPH		% Solid:	92.5	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	TPH GC	
Extraction Type:			Injection Volume :		
GPC Factor :		PH :			
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015628.D	1	04/03/25 08:00	04/03/25 19:59	PB167438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>						
PHC	Petroleum Hydrocarbons	44.5		0.42	3.06	mg/Kg
<b>SURROGATES</b>						
16416-32-3	TETRACOSANE-d50	15.3		37 - 130	76%	SPK: 20

### Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

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

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

## LAB CHRONICLE

<b>OrderID:</b>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1698-01</b>	<b>B-9</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
<b>Q1698-04</b>	<b>B-9-TPH-2</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
<b>Q1698-05</b>	<b>B-9-TPH-3</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/04/25	
<b>Q1698-06</b>	<b>B-9-TPH-4</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
			TPH GC	8015D		04/03/25	04/04/25	
<b>Q1698-07</b>	<b>B-10</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
<b>Q1698-10</b>	<b>B-10-TPH-2</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
<b>Q1698-11</b>	<b>B-10-TPH-3</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>
<b>Q1698-12</b>	<b>B-10-TPH-4</b>	<b>SOIL</b>	TPH GC	8015D	<b>04/02/25</b>	04/03/25	04/03/25	<b>04/02/25</b>

### Hit Summary Sheet SW-846

**SDG No.:** Q1698 **Order ID:** Q1698  
**Client:** Tully Construction Co., Inc. **Project ID:** MTA Rockaway Park

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID : B-9</b>								
Q1698-01	B-9	SOIL	Aluminum	741		2.11	4.37	mg/Kg
Q1698-01	B-9	SOIL	Antimony	0.19	J	0.13	2.19	mg/Kg
Q1698-01	B-9	SOIL	Arsenic	5.01		0.25	0.87	mg/Kg
Q1698-01	B-9	SOIL	Barium	8.92		0.56	4.37	mg/Kg
Q1698-01	B-9	SOIL	Beryllium	0.14	J	0.010	0.26	mg/Kg
Q1698-01	B-9	SOIL	Cadmium	0.11	J	0.014	0.26	mg/Kg
Q1698-01	B-9	SOIL	Calcium	7120		2.45	87.4	mg/Kg
Q1698-01	B-9	SOIL	Chromium	6.96		0.047	0.44	mg/Kg
Q1698-01	B-9	SOIL	Cobalt	0.72	J	0.051	1.31	mg/Kg
Q1698-01	B-9	SOIL	Copper	25.2		0.41	0.87	mg/Kg
Q1698-01	B-9	SOIL	Iron	2210		2.35	4.37	mg/Kg
Q1698-01	B-9	SOIL	Lead	16.1		0.13	0.53	mg/Kg
Q1698-01	B-9	SOIL	Magnesium	1270		3.00	87.4	mg/Kg
Q1698-01	B-9	SOIL	Manganese	34.8		0.062	0.87	mg/Kg
Q1698-01	B-9	SOIL	Mercury	0.029		0.0070	0.013	mg/Kg
Q1698-01	B-9	SOIL	Nickel	2.25		0.079	1.75	mg/Kg
Q1698-01	B-9	SOIL	Potassium	120		25.1	87.4	mg/Kg
Q1698-01	B-9	SOIL	Vanadium	2.94		0.24	1.75	mg/Kg
Q1698-01	B-9	SOIL	Zinc	43.0		0.096	1.75	mg/Kg
<b>Client ID : B-10</b>								
Q1698-07	B-10	SOIL	Aluminum	937		2.28	4.74	mg/Kg
Q1698-07	B-10	SOIL	Antimony	0.36	J	0.14	2.37	mg/Kg
Q1698-07	B-10	SOIL	Arsenic	2.20		0.28	0.95	mg/Kg
Q1698-07	B-10	SOIL	Barium	17.3		0.61	4.74	mg/Kg
Q1698-07	B-10	SOIL	Beryllium	0.12	J	0.011	0.28	mg/Kg
Q1698-07	B-10	SOIL	Cadmium	0.13	J	0.015	0.28	mg/Kg
Q1698-07	B-10	SOIL	Calcium	6480		2.65	94.7	mg/Kg
Q1698-07	B-10	SOIL	Chromium	8.91		0.051	0.47	mg/Kg
Q1698-07	B-10	SOIL	Cobalt	1.23	J	0.055	1.42	mg/Kg
Q1698-07	B-10	SOIL	Copper	29.4		0.45	0.95	mg/Kg
Q1698-07	B-10	SOIL	Iron	3590		2.55	4.74	mg/Kg
Q1698-07	B-10	SOIL	Lead	42.5		0.14	0.57	mg/Kg
Q1698-07	B-10	SOIL	Magnesium	805		3.25	94.7	mg/Kg
Q1698-07	B-10	SOIL	Manganese	47.6		0.067	0.95	mg/Kg
Q1698-07	B-10	SOIL	Mercury	0.059		0.0070	0.013	mg/Kg
Q1698-07	B-10	SOIL	Nickel	3.60		0.085	1.89	mg/Kg
Q1698-07	B-10	SOIL	Potassium	157		27.2	94.7	mg/Kg

**Hit Summary Sheet**  
**SW-846**

<b>SDG No.:</b>	Q1698	<b>Order ID:</b>	Q1698
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project ID:</b>	MTA Rockaway Park

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1698-07	B-10	SOIL	Vanadium	4.20		0.26	1.89	mg/Kg
Q1698-07	B-10	SOIL	Zinc	51.6		0.10	1.89	mg/Kg

A

B

C

D



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	741		1	2.11	4.37	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-36-0	Antimony	0.19	JN	1	0.13	2.19	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-38-2	Arsenic	5.01		1	0.25	0.87	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-39-3	Barium	8.92		1	0.56	4.37	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-41-7	Beryllium	0.14	J	1	0.010	0.26	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-43-9	Cadmium	0.11	J	1	0.014	0.26	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-70-2	Calcium	7120		1	2.45	87.4	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-47-3	Chromium	6.96		1	0.047	0.44	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-48-4	Cobalt	0.72	J	1	0.051	1.31	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-50-8	Copper	25.2		1	0.41	0.87	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7439-89-6	Iron	2210		1	2.35	4.37	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7439-92-1	Lead	16.1		1	0.13	0.53	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7439-95-4	Magnesium	1270		1	3.00	87.4	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7439-96-5	Manganese	34.8		1	0.062	0.87	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7439-97-6	Mercury	0.029	N	1	0.0070	0.013	mg/Kg	04/07/25 08:44	04/07/25 13:57	SW7471B	
7440-02-0	Nickel	2.25		1	0.079	1.75	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-09-7	Potassium	120		1	25.1	87.4	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7782-49-2	Selenium	0.29	U	1	0.29	0.87	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-22-4	Silver	0.045	U	1	0.045	0.44	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-23-5	Sodium	31.6	U	1	31.6	87.4	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-28-0	Thallium	0.39	U	1	0.39	1.75	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-62-2	Vanadium	2.94		1	0.24	1.75	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050
7440-66-6	Zinc	43.0		1	0.096	1.75	mg/Kg	04/03/25 09:05	04/07/25 14:51	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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

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 Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	937		1	2.28	4.74	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-36-0	Antimony	0.36	JN	1	0.14	2.37	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-38-2	Arsenic	2.20		1	0.28	0.95	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-39-3	Barium	17.3		1	0.61	4.74	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-41-7	Beryllium	0.12	J	1	0.011	0.28	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-43-9	Cadmium	0.13	J	1	0.015	0.28	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-70-2	Calcium	6480		1	2.65	94.7	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-47-3	Chromium	8.91		1	0.051	0.47	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-48-4	Cobalt	1.23	J	1	0.055	1.42	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-50-8	Copper	29.4		1	0.45	0.95	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7439-89-6	Iron	3590		1	2.55	4.74	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7439-92-1	Lead	42.5		1	0.14	0.57	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7439-95-4	Magnesium	805		1	3.25	94.7	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7439-96-5	Manganese	47.6		1	0.067	0.95	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7439-97-6	Mercury	0.059	N	1	0.0070	0.013	mg/Kg	04/07/25 08:44	04/07/25 13:59	SW7471B	
7440-02-0	Nickel	3.60		1	0.085	1.89	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-09-7	Potassium	157		1	27.2	94.7	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7782-49-2	Selenium	0.31	U	1	0.31	0.95	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-22-4	Silver	0.049	U	1	0.049	0.47	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-23-5	Sodium	34.2	U	1	34.2	94.7	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-28-0	Thallium	0.42	U	1	0.42	1.89	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-62-2	Vanadium	4.20		1	0.26	1.89	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050
7440-66-6	Zinc	51.6		1	0.10	1.89	mg/Kg	04/03/25 09:05	04/07/25 14:55	SW6010	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	METALS-TAL			

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

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>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1698-01	B-9	SOIL	Mercury	7471B	04/02/25	04/07/25	04/07/25	04/02/25
			Metals ICP-TAL	6010D		04/03/25	04/07/25	
Q1698-02	B-9	TCLP	TCLP ICP Metals	6010D	04/02/25	04/03/25	04/04/25	04/02/25
			TCLP Mercury	7470A		04/03/25	04/04/25	
Q1698-07	B-10	SOIL	Mercury	7471B	04/02/25	04/07/25	04/07/25	04/02/25
			Metals ICP-TAL	6010D		04/03/25	04/07/25	
Q1698-08	B-10	TCLP	TCLP ICP Metals	6010D	04/02/25	04/03/25	04/04/25	04/02/25
			TCLP Mercury	7470A		04/03/25	04/04/25	

### Hit Summary Sheet SW-846

<b>SDG No.:</b>	Q1698	<b>Order ID:</b>	Q1698
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project ID:</b>	MTA Rockaway Park

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
<b>Client ID : B-9</b>								
Q1698-02	B-9	TCLP	Barium	692		62.8	500	ug/L
Q1698-02	B-9	TCLP	Cadmium	1.46	J	0.94	30.0	ug/L
Q1698-02	B-9	TCLP	Chromium	65.8		6.60	50.0	ug/L
<b>Client ID : B-10</b>								
Q1698-08	B-10	TCLP	Barium	922		62.8	500	ug/L
Q1698-08	B-10	TCLP	Cadmium	1.04	J	0.94	30.0	ug/L
Q1698-08	B-10	TCLP	Chromium	144		6.60	50.0	ug/L



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050
7440-39-3	Barium	692		1	62.8	500	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050
7440-43-9	Cadmium	1.46	J	1	0.94	30.0	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050
7440-47-3	Chromium	65.8		1	6.60	50.0	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050
7439-92-1	Lead	35.1	U	1	35.1	60.0	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	04/03/25 12:02	04/04/25 12:57	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	04/03/25 12:30	04/04/25 11:32	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

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

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 Construction Co., Inc.	Date Collected:	04/02/25
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-08	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050
7440-39-3	Barium	922		1	62.8	500	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050
7440-43-9	Cadmium	1.04	J	1	0.94	30.0	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050
7440-47-3	Chromium	144		1	6.60	50.0	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050
7439-92-1	Lead	35.1	U	1	35.1	60.0	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	04/03/25 12:02	04/04/25 12:59	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	04/03/25 12:30	04/04/25 11:45	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

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

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>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1698-01</b>	<b>B-9</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			Mercury	7471B		04/07/25	04/07/25	
			Metals ICP-TAL	6010D		04/03/25	04/07/25	
<b>Q1698-02</b>	<b>B-9</b>	<b>TCLP</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TCLP ICP Metals	6010D		04/03/25	04/04/25	
			TCLP Mercury	7470A		04/03/25	04/04/25	
<b>Q1698-07</b>	<b>B-10</b>	<b>SOIL</b>			<b>04/02/25</b>			<b>04/02/25</b>
			Mercury	7471B		04/07/25	04/07/25	
			Metals ICP-TAL	6010D		04/03/25	04/07/25	
<b>Q1698-08</b>	<b>B-10</b>	<b>TCLP</b>			<b>04/02/25</b>			<b>04/02/25</b>
			TCLP ICP Metals	6010D		04/03/25	04/04/25	
			TCLP Mercury	7470A		04/03/25	04/04/25	



# SAMPLE DATA

## Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	04/02/25 08:10
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-9	SDG No.:	Q1698
Lab Sample ID:	Q1698-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	10.6	H	1	0	0	pH		04/02/25 16:30	9045D
Ignitability	NO		1	0	0	oC		04/03/25 11:05	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	04/04/25 10:00	04/04/25 13:16	9012B
Reactive Sulfide	3.17	J	1	0.20	10.0	mg/Kg	04/03/25 08:50	04/03/25 12:42	9034

Comments: pH result reported at temperature 24.6 °C

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 Construction Co., Inc.	Date Collected:	04/02/25 08:35
Project:	MTA Rockaway Park	Date Received:	04/02/25
Client Sample ID:	B-10	SDG No.:	Q1698
Lab Sample ID:	Q1698-08	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	10.6	H	1	0	0	pH		04/02/25 16:35	9045D
Ignitability	NO		1	0	0	oC		04/03/25 11:12	1030
Reactive Cyanide	0.0084	U	1	0.0084	0.050	mg/Kg	04/04/25 10:00	04/04/25 13:23	9012B
Reactive Sulfide	4.78	J	1	0.20	10.0	mg/Kg	04/03/25 08:50	04/03/25 12:44	9034

Comments: pH result reported at temperature 23.7 °C

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>	Q1698	<b>OrderDate:</b>	4/2/2025 12:14:00 PM
<b>Client:</b>	Tully Construction Co., Inc.	<b>Project:</b>	MTA Rockaway Park
<b>Contact:</b>	Dean Devoe	<b>Location:</b>	I41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
<b>Q1698-02</b>	<b>B-9</b>	<b>SOIL</b>			<b>04/02/25 08:10</b>			<b>04/02/25</b>
			Corrosivity	9045D			04/02/25 16:30	
			Ignitability	1030			04/03/25 11:05	
			Reactive Cyanide	9012B		04/04/25	04/04/25 13:16	
			Reactive Sulfide	9034		04/03/25	04/03/25 12:42	
<b>Q1698-08</b>	<b>B-10</b>	<b>SOIL</b>			<b>04/02/25 08:35</b>			<b>04/02/25</b>
			Corrosivity	9045D			04/02/25 16:35	
			Ignitability	1030			04/03/25 11:12	
			Reactive Cyanide	9012B		04/04/25	04/04/25 13:23	
			Reactive Sulfide	9034		04/03/25	04/03/25 12:44	



# SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Tully Construction Co. Inc

ADDRESS: Rockway Freeway & Beach Channel

CITY: Queens STATE: NY ZIP: 11666

ATTENTION: Dean Devoe

PHONE:

FAX:

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*

HARDCOPY (DATA PACKAGE): DAYS\*

EDD: DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

+ Raw Data

☐ Other

☐ EDD FORMAT

1: Vol's 2: SWA 3: PCB 4: TAP Extraction 5: Corrosivity 6: Ignitability 7: Reactivity Cyn 8: Reactive Sulfate 9: Mercury Metals TPH

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/F	E	E	E	E	E	E	E	E		
1.	B-9	SOL	X		040225	0810	8		X	X	X	X	X	X	X	X		
2.	B-9			X		0815	4	X									0.0 ppm	
3.	B-9-TPH-2		X			0817	1									X		
4.	B-9-TPH-3		X			0819	1									X		
5.	B-9-TPH-4		X			0822	1									X		
6.	B-10		X			0835	8		X	X	X	X	X	X	X	X		
7.	B-10			X		0839	4	X									0.0 ppm	
8.	B-10-TPH-2		X			0842	1									X		
9.	B-10-TPH-3		X			0845	1									X		
10.	B-10-TPH-4		X			0848	1									X		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME: 0930	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input checked="" type="checkbox"/> COOLER TEMP 2.2 °C
1. <i>[Signature]</i>	04-02-25	1. <i>[Signature]</i>	Comments: Collected (2) 8:1 Composite sample + (4) 5:1 Composite samples for sampling protocol TPH.
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <i>[Signature]</i>		2. <i>[Signature]</i>	
RELINQUISHED BY SAMPLER:	DATE/TIME: 1200	RECEIVED BY:	PIO Calibration 04-02-25
3. <i>[Signature]</i>	04-02-25	3. <i>[Signature]</i>	Page 1 of 1
			CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other
			Shipment Complete <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

04-02-25



## Legend



Boring Location



Approximate Property Boundary

0 95 190 380 570  
Feet

**MATRIX** **NEW** **WORLD**  
Engineering Progress

Matrix New World Engineering, Land Surveying  
and Landscape Architecture, P.C.

333 West 39th Street, Suite 202

New York, New York 10018

WBE / DBE / SBE

Tel: 973-240-1800

Fax: 973-240-1818

[www.matrixnewworld.com](http://www.matrixnewworld.com)

STATE OF NEW YORK CERTIFICATE OF AUTHORIZATION No. 17-082661

### AS DRILLED BORING LOCATION MAP

SUBSTATION 117  
ROCKAWAY FREEWAY & BEACH CHANNEL DRIVE  
BLOCK 16186, LOT 100  
ROCKAWAY PARK, QUEENS, NEW YORK

**JUNE 2019**

**FIGURE 4**

# CHEMTECH

## Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: \_\_\_\_\_ Chemtech Order ID: \_\_\_\_\_  
Service Order #: \_\_\_\_\_ Sampler Name: Jeremy M  
Work Order #: \_\_\_\_\_ Client Project Coordinator & Phone: Dean Devoe  
Labor WBS #: \_\_\_\_\_ Page #: 1 of 1  
Facility/Site: Substation 117 Date: 04-02-25  
Site Address: Lockway freeway & Arrive Time: 0800  
Beach Channel Dr, Queens NY Depart Time: 0930

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: N/A

Dimensions/CY: N/A

Temp (range): 2-2 °C PID Readings (range): 0.0 PPM Odor: Y (N) Color: Y (N)

Sample Description: Dark Brown Soil, Sand, Gravel.

Field Observations: (2) location (B-9 & B10)

Grid/Area Composite Map:

QA Control # A3041134

See

Attached

MAP \*

Sampler Signature: pm

Client Signature: \_\_\_\_\_

Supervisor Review/Date: \_\_\_\_\_

Date/Time Arrived at Lab: \_\_\_\_\_

### 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

<b>Order ID :</b> Q1698	<b>TULL02</b>	<b>Order Date :</b> 4/2/2025 12:14:00 PM	<b>Project Mgr :</b>
<b>Client Name :</b> Tully Construction Co., Inc.		<b>Project Name :</b> MTA Rockaway Park	<b>Report Type :</b> Level 1
<b>Client Contact :</b> Dean Devoe		<b>Receive DateTime :</b> 4/2/2025 12:00:00 PM	<b>EDD Type :</b> Excel NY 375
<b>Invoice Name :</b> Tully Construction Co., Inc.		<b>Purchase Order :</b>	<b>Hard Copy Date :</b>
<b>Invoice Contact :</b> Dean Devoe			<b>Date Signoff :</b>

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1698-03	B-9	Solid	04/02/2025	08:15					
					VOC-TCLVOA-10		8260D	5 Bus. Days	
Q1698-09	B-10	Solid	04/02/2025	08:39					
					VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By :

21

Date / Time : 04-02-25 1330

Received By :

pl

Date / Time :

04.02.25 13:30

Storage Area : VOA Refridgerator Room