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

DATA PACKAGE

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

PROJECT NAME : PITKIN YARD

TULLY CONSTRUCTION CO., INC.

127-50 Northern Boulevard

Flushing, NY - 11368-1520

Phone No: 718-446-7000

ORDER ID : P4595

ATTENTION : Dean Devoe

Laboratory Certification ID # 20012

Table Of Contents for P4595

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

Cover Page

Order ID : P4595

Project ID : Pitkin Yard

Client : Tully Construction Co., Inc.

Lab Sample Number	Client Sample Number
P4595-01	PITKIN-COMP
P4595-02	PITKIN-COMP
P4595-03	PITKIN-THP2
P4595-04	PITKIN-TPH3
P4595-05	PITKIN-GRAB

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: 11/8/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator.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 for {VY1029SBSD01} with File ID: VY020072.D met criteria except for Methyl Acetate[23%], Tetrachloroethene[21%] due to difference in results of BS and BSD.

The Blank Spike for {VY1029SBS01} with File ID: VY020051.D met requirements for all samples except for Acetone[140%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate for {VY1029SBSD01} with File ID: VY020072.D met requirements for all samples except for 2-Butanone[135%] is failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

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The Continuous Calibration File ID VY020049.D met the requirements except for Acetone is failing high but no positive hit in 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.
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.

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_____

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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: SVOC-PAH

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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_E using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe 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.
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 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 .
The Tuning criteria met requirements.

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.

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Phone: 908 789 8900 Fax: 908 789 8922

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.

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.

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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: PCB

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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_O. 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 met the requirements .

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.

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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.

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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: TPH GC

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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 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.
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 .

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

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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.

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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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 (TP-8MS) analysis met criteria for all samples except for Antimony, Copper and Selenium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (TP-8MSD) analysis met criteria for all samples except for Antimony, Chromium and Copper due to Chemical interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (TP-8L) met criteria for all samples except for Aluminum, Copper, Iron and Magnesium due to sample matrix interference.

E. Additional Comments:

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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: TCLP Mercury,TCLP ICP Metals

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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:

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_____

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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: Pitkin Yard
Project # N/A
Chemtech Project # P4595
Test Name: Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/28/2024.

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 PITKIN-COMP of Corrosivity as sample was receive out of holding time.
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:

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Signature_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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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: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4595

	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 Castody	✓
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:** 11/08/2024

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PITKIN-GRAB**							
P4595-05	PITKIN-GRAB	SOIL	Methylene Chloride	0.0057	J	0.0031	0.0092	mg/Kg
			Total Voc :	0.0057				
			Total Concentration:	0.0057				

SAMPLE DATA

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-GRAB	SDG No.:	P4595
Lab Sample ID:	P4595-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	5.69 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
VY020065.D	1		10/29/24 16:46	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0015	U	0.0015	0.0046	mg/Kg
74-87-3	Chloromethane	0.0011	U	0.0011	0.0046	mg/Kg
75-01-4	Vinyl Chloride	0.00071	U	0.00071	0.0046	mg/Kg
74-83-9	Bromomethane	0.00095	U	0.00095	0.0046	mg/Kg
75-00-3	Chloroethane	0.00093	U	0.00093	0.0046	mg/Kg
75-69-4	Trichlorofluoromethane	0.00084	U	0.00084	0.0046	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.00098	U	0.00098	0.0046	mg/Kg
75-35-4	1,1-Dichloroethene	0.00072	U	0.00072	0.0046	mg/Kg
67-64-1	Acetone	0.0057	UQ	0.0057	0.023	mg/Kg
75-15-0	Carbon Disulfide	0.0012	U	0.0012	0.0046	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00062	U	0.00062	0.0046	mg/Kg
79-20-9	Methyl Acetate	0.0017	U	0.0017	0.0046	mg/Kg
75-09-2	Methylene Chloride	0.0057	J	0.0031	0.0092	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00077	U	0.00077	0.0046	mg/Kg
75-34-3	1,1-Dichloroethane	0.00058	U	0.00058	0.0046	mg/Kg
110-82-7	Cyclohexane	0.00063	U	0.00063	0.0046	mg/Kg
78-93-3	2-Butanone	0.0052	UQ	0.0052	0.023	mg/Kg
56-23-5	Carbon Tetrachloride	0.00080	U	0.00080	0.0046	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00056	U	0.00056	0.0046	mg/Kg
74-97-5	Bromochloromethane	0.0022	U	0.0022	0.0046	mg/Kg
67-66-3	Chloroform	0.00062	U	0.00062	0.0046	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00072	U	0.00072	0.0046	mg/Kg
108-87-2	Methylcyclohexane	0.00080	U	0.00080	0.0046	mg/Kg
71-43-2	Benzene	0.00066	U	0.00066	0.0046	mg/Kg
107-06-2	1,2-Dichloroethane	0.00056	U	0.00056	0.0046	mg/Kg
79-01-6	Trichloroethene	0.00069	U	0.00069	0.0046	mg/Kg
78-87-5	1,2-Dichloropropane	0.00061	U	0.00061	0.0046	mg/Kg
75-27-4	Bromodichloromethane	0.00051	U	0.00051	0.0046	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0040	U	0.0040	0.023	mg/Kg
108-88-3	Toluene	0.00062	U	0.00062	0.0046	mg/Kg

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-GRAB	SDG No.:	P4595
Lab Sample ID:	P4595-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	5.69 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
VY020065.D	1		10/29/24 16:46	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00055	U	0.00055	0.0046	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00052	U	0.00052	0.0046	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00077	U	0.00077	0.0046	mg/Kg
591-78-6	2-Hexanone	0.0044	U	0.0044	0.023	mg/Kg
124-48-1	Dibromochloromethane	0.00060	U	0.00060	0.0046	mg/Kg
106-93-4	1,2-Dibromoethane	0.00073	U	0.00073	0.0046	mg/Kg
127-18-4	Tetrachloroethene	0.00082	U	0.00082	0.0046	mg/Kg
108-90-7	Chlorobenzene	0.00068	U	0.00068	0.0046	mg/Kg
100-41-4	Ethyl Benzene	0.00057	U	0.00057	0.0046	mg/Kg
179601-23-1	m/p-Xylenes	0.0012	U	0.0012	0.0092	mg/Kg
95-47-6	o-Xylene	0.00064	U	0.00064	0.0046	mg/Kg
100-42-5	Styrene	0.00055	U	0.00055	0.0046	mg/Kg
75-25-2	Bromoform	0.00074	U	0.00074	0.0046	mg/Kg
98-82-8	Isopropylbenzene	0.00062	U	0.00062	0.0046	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.0046	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00068	U	0.00068	0.0046	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00073	U	0.00073	0.0046	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00054	U	0.00054	0.0046	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.0046	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.0046	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00072	U	0.00072	0.0046	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		50 - 163	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		54 - 147	99%	SPK: 50
2037-26-5	Toluene-d8	51.3		58 - 134	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.7		29 - 146	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	7.713			
540-36-3	1,4-Difluorobenzene	362000	8.616			
3114-55-4	Chlorobenzene-d5	321000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.346			

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-GRAB	SDG No.:	P4595
Lab Sample ID:	P4595-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.7
Sample Wt/Vol:	5.69 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
VY020065.D	1		10/29/24 16:46	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-05	**PITKIN-GRAB**	**SOIL**			**10/28/24**			**10/28/24**
			VOC-TCLVOA-10	8260D			10/29/24	

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Hit Summary Sheet
SW-846

SDG No.: P4595

Client: Tully Construction Co., Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**PITKIN-COMP**							
P4595-01	PITKIN-COMP	SOIL	Fluoranthene	0.095	J	0.087	0.18	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Pyrene	0.097	J	0.089	0.18	mg/Kg
			Total Svoc :	**0.19**				
			Total Concentration:	**0.19**				

SAMPLE DATA

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-COMP	SDG No.:	P4595
Lab Sample ID:	P4595-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
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
BE101442.D	1	10/29/24 09:15	10/31/24 20:36	PB164497

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	0.088	U	0.088	0.18	mg/Kg
208-96-8	Acenaphthylene	0.093	U	0.093	0.18	mg/Kg
83-32-9	Acenaphthene	0.087	U	0.087	0.18	mg/Kg
86-73-7	Fluorene	0.091	U	0.091	0.18	mg/Kg
85-01-8	Phenanthrene	0.090	U	0.090	0.18	mg/Kg
120-12-7	Anthracene	0.090	U	0.090	0.18	mg/Kg
206-44-0	Fluoranthene	0.095	J	0.087	0.18	mg/Kg
129-00-0	Pyrene	0.097	J	0.089	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.086	U	0.086	0.18	mg/Kg
218-01-9	Chrysene	0.085	U	0.085	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.087	U	0.087	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.088	U	0.088	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.099	U	0.099	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.084	U	0.084	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.087	U	0.087	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.086	U	0.086	0.18	mg/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	46.2		18 - 107	46%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.3		20 - 109	49%	SPK: 100
1718-51-0	Terphenyl-d14	55.4		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	148000	7.579			
1146-65-2	Naphthalene-d8	698000	10.346			
15067-26-2	Acenaphthene-d10	479000	14.189			
1517-22-2	Phenanthrene-d10	1030000	16.927			
1719-03-5	Chrysene-d12	1040000	21.086			
1520-96-3	Perylene-d12	1360000	23.384			

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-COMP	SDG No.:	P4595
Lab Sample ID:	P4595-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
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
BE101442.D	1	10/29/24 09:15	10/31/24 20:36	PB164497

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-01	**PITKIN-COMP**	**SOIL**			**10/28/24**			**10/28/24**
			SVOC-PAH	8270E		10/29/24	10/31/24	

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Hit Summary Sheet
SW-846

SDG No.: P4595 **Order ID:** P4595

Client: Tully Construction Co., Inc. **Project ID:** Pitkin Yard

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-COMP	SDG No.:	P4595
Lab Sample ID:	P4595-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.5 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
PO107482.D	1	10/29/24 08:35	10/29/24 14:18	PB164495

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0036	U	0.0036	0.018	mg/Kg
11104-28-2	Aroclor-1221	0.0068	U	0.0068	0.018	mg/Kg
11141-16-5	Aroclor-1232	0.0036	U	0.0036	0.018	mg/Kg
53469-21-9	Aroclor-1242	0.0036	U	0.0036	0.018	mg/Kg
12672-29-6	Aroclor-1248	0.0084	U	0.0084	0.018	mg/Kg
11097-69-1	Aroclor-1254	0.0029	U	0.0029	0.018	mg/Kg
37324-23-5	Aroclor-1262	0.0049	U	0.0049	0.018	mg/Kg
11100-14-4	Aroclor-1268	0.0037	U	0.0037	0.018	mg/Kg
11096-82-5	Aroclor-1260	0.0031	U	0.0031	0.018	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.6		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		32 - 175	119%	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

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LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-01	**PITKIN-COMP**	**SOIL**			**10/28/24**			**10/28/24**
			PCB	8082A		10/29/24	10/29/24	

SAMPLE DATA

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-THP2	SDG No.:	P4595
Lab Sample ID:	P4595-03	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	94.5 Decanted:
Sample Wt/Vol:	30.04 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
FF014821.D	1	10/29/24 10:20	10/29/24 15:02	PB164518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	8.91		0.34	2.99	mg/Kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	11.7		37 - 130	58%	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

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-TPH3	SDG No.:	P4595
Lab Sample ID:	P4595-04	Matrix:	SOIL
Analytical Method:	8015D TPH	% Solid:	93.5 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
FF014822.D	1	10/29/24 10:20	10/29/24 15:30	PB164518

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
PHC	Petroleum Hydrocarbons	5.52		0.34	3.03	mg/Kg
SURROGATES						
16416-32-3	TETRACOSANE-d50	8.71		37 - 130	44%	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

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LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-01	**PITKIN-COMP**	**SOIL**			**10/28/24**			**10/28/24**
			PCB	8082A		10/29/24	10/29/24	
P4595-03	**PITKIN-THP2**	**SOIL**			**10/28/24**			**10/28/24**
			TPH GC	8015D		10/29/24	10/29/24	
P4595-04	**PITKIN-TPH3**	**SOIL**			**10/28/24**			**10/28/24**
			TPH GC	8015D		10/29/24	10/29/24	

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Hit Summary Sheet
SW-846

SDG No.: P4595 **Order ID:** P4595

Client: Tully Construction Co., Inc. **Project ID:** Pitkin Yard

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PITKIN-COMP								
P4595-01	PITKIN-COMP	SOIL	Aluminum	3840		2.39	4.95	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Antimony	0.30	J	0.15	2.48	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Arsenic	2.75		0.29	0.99	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Barium	27.6		0.63	4.95	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Beryllium	0.27	J	0.012	0.30	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Cadmium	0.44		0.016	0.30	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Calcium	1980		2.77	99.0	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Chromium	10.0		0.053	0.50	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Cobalt	4.15		0.057	1.49	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Copper	15.5		0.47	0.99	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Iron	8160		2.66	4.95	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Lead	131		0.15	0.59	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Magnesium	945		3.40	99.0	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Manganese	186		0.070	0.99	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Mercury	0.20		0.0070	0.015	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Nickel	9.21		0.089	1.98	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Potassium	350		28.4	99.0	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Silver	0.22	J	0.051	0.50	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Sodium	73.1	J	35.7	99.0	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Vanadium	15.1		0.27	1.98	mg/Kg
P4595-01	PITKIN-COMP	SOIL	Zinc	75.2		0.11	1.98	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-COMP	SDG No.:	P4595
Lab Sample ID:	P4595-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	3840		1	2.39	4.95	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-36-0	Antimony	0.30	JN	1	0.15	2.48	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-38-2	Arsenic	2.75		1	0.29	0.99	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-39-3	Barium	27.6		1	0.63	4.95	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-41-7	Beryllium	0.27	J	1	0.012	0.30	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-43-9	Cadmium	0.44		1	0.016	0.30	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-70-2	Calcium	1980		1	2.77	99.0	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-47-3	Chromium	10.0	N	1	0.053	0.50	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-48-4	Cobalt	4.15		1	0.057	1.49	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-50-8	Copper	15.5	N	1	0.47	0.99	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7439-89-6	Iron	8160		1	2.66	4.95	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7439-92-1	Lead	131		1	0.15	0.59	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7439-95-4	Magnesium	945		1	3.40	99.0	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7439-96-5	Manganese	186		1	0.070	0.99	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7439-97-6	Mercury	0.20		1	0.0070	0.015	mg/Kg	10/28/24 16:15	10/29/24 11:46	SW7471B	
7440-02-0	Nickel	9.21		1	0.089	1.98	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-09-7	Potassium	350		1	28.4	99.0	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7782-49-2	Selenium	0.33	UN	1	0.33	0.99	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-22-4	Silver	0.22	J	1	0.051	0.50	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-23-5	Sodium	73.1	J	1	35.7	99.0	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-28-0	Thallium	0.44	U	1	0.44	1.98	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-62-2	Vanadium	15.1		1	0.27	1.98	mg/Kg	10/29/24 11:30	10/30/24 20:36	SW6010	SW3050
7440-66-6	Zinc	75.2		1	0.11	1.98	mg/Kg	10/29/24 11:30	10/30/24 20:36	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

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

LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-01	**PITKIN-COMP**	**SOIL**			**10/28/24**			**10/28/24**
			Mercury	7471B		10/28/24	10/29/24	
			Metals ICP-TAL	6010D		10/29/24	10/30/24	
P4595-02	**PITKIN-COMP**	**TCLP**			**10/28/24**			**10/28/24**
			TCLP ICP Metals	6010D		10/29/24	10/30/24	
			TCLP Mercury	7470A		10/29/24	10/30/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4595 **Order ID:** P4595

Client: Tully Construction Co., Inc. **Project ID:** Pitkin Yard

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PITKIN-COMP								
P4595-02	PITKIN-COMP	TCLP	Barium	1430		62.8	500	ug/L
P4595-02	PITKIN-COMP	TCLP	Cadmium	1.72	J	0.94	30.0	ug/L
P4595-02	PITKIN-COMP	TCLP	Chromium	13.0	J	6.60	50.0	ug/L
P4595-02	PITKIN-COMP	TCLP	Lead	342		35.1	60.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-COMP	SDG No.:	P4595
Lab Sample ID:	P4595-02	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	10/29/24 11:30	10/30/24 18:43	SW6010	SW3050
7440-39-3	Barium	1430		1	62.8	500	ug/L	10/29/24 11:30	10/30/24 18:43	SW6010	SW3050
7440-43-9	Cadmium	1.72	J	1	0.94	30.0	ug/L	10/29/24 11:30	10/30/24 18:43	SW6010	SW3050
7440-47-3	Chromium	13.0	J	1	6.60	50.0	ug/L	10/29/24 11:30	10/30/24 18:43	SW6010	SW3050
7439-92-1	Lead	342		1	35.1	60.0	ug/L	10/29/24 11:30	10/30/24 18:43	SW6010	SW3050
7439-97-6	Mercury	0.81	U	1	0.81	2.00	ug/L	10/29/24 14:55	10/30/24 16:27	SW7470A	
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	10/29/24 11:30	10/30/24 18:43	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	10/29/24 11:30	10/30/24 18:43	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
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OR = Over Range
N =Spiked sample recovery not within control limits

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

LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-01	**PITKIN-COMP**	**SOIL**			**10/28/24**			**10/28/24**
			Mercury	7471B		10/28/24	10/29/24	
			Metals ICP-TAL	6010D		10/29/24	10/30/24	
P4595-02	**PITKIN-COMP**	**TCLP**			**10/28/24**			**10/28/24**
			TCLP ICP Metals	6010D		10/29/24	10/30/24	
			TCLP Mercury	7470A		10/29/24	10/30/24	

SAMPLE DATA

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

Report of Analysis

Client:	Tully Construction Co., Inc.	Date Collected:	10/28/24 08:11
Project:	Pitkin Yard	Date Received:	10/28/24
Client Sample ID:	PITKIN-COMP	SDG No.:	P4595
Lab Sample ID:	P4595-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	8.84	H	1	0	0	pH		10/28/24 17:00	9045D
Ignitability	NO		1	0	0	oC		10/30/24 11:52	1030
Reactive Cyanide	0.0088	U	1	0.0088	0.050	mg/Kg	10/29/24 09:00	10/29/24 13:34	9012B
Reactive Sulfide	3.19	J	1	0.19	10.0	mg/Kg	10/30/24 08:45	10/30/24 12:38	9034

Comments: pH result reported at temperature 22.1 °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

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

LAB CHRONICLE

OrderID:	P4595	**OrderDate:**	10/28/2024 11:31:00 AM
Client:	Tully Construction Co., Inc.	**Project:**	Pitkin Yard
Contact:	Dean Devoe	**Location:**	K61,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4595-02	**PITKIN-COMP**	**SOIL**			**10/28/24 08:11**			**10/28/24**
			Corrosivity	9045D			10/28/24 17:00	
			Ignitability	1030			10/30/24 11:52	
			Reactive Cyanide	9012B		10/29/24	10/29/24 13:34	
			Reactive Sulfide	9034		10/30/24	10/30/24 12:38	

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. / QUOTE NO. P4595

COC Number 2041038

CLIENT INFORMATION (REPORT TO BE SENT TO)

COMPANY: ~~PSE&G~~ TULLY

ADDRESS: Eldert Ln & Blake Ave

CITY Brooklyn STATE: NY ZIP:

ATTENTION:

PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Tully - PitKin

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ US EPA CLP
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 SVOC - PAH
2 TCLP Extraction
3 TCLP ICP Metals
4 TCLP Mercury
5 Corrosivity / Ignitability
6 Reactive CN/S/Fide
7 TAL Metals + Mercury
8 TPH
9 TCL VOC

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	PitKin - Comp	Soil	X		10.28.24	811	7	X	X	X	X	X	X	X	X		30.1 ppm
2.	PitKin - TPH2		X			816	1								X		
3.	PitKin - TPH3		X			822	1								X		
4.	PitKin - Grab			X		829	4									X	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: E E E E E E E E E

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. JT	10.28.24 845	1.
2.		2.
3. JT	10.28.24 1200	3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C

Comments:

PID Calibrated 10.28.24

Page ____ of ____

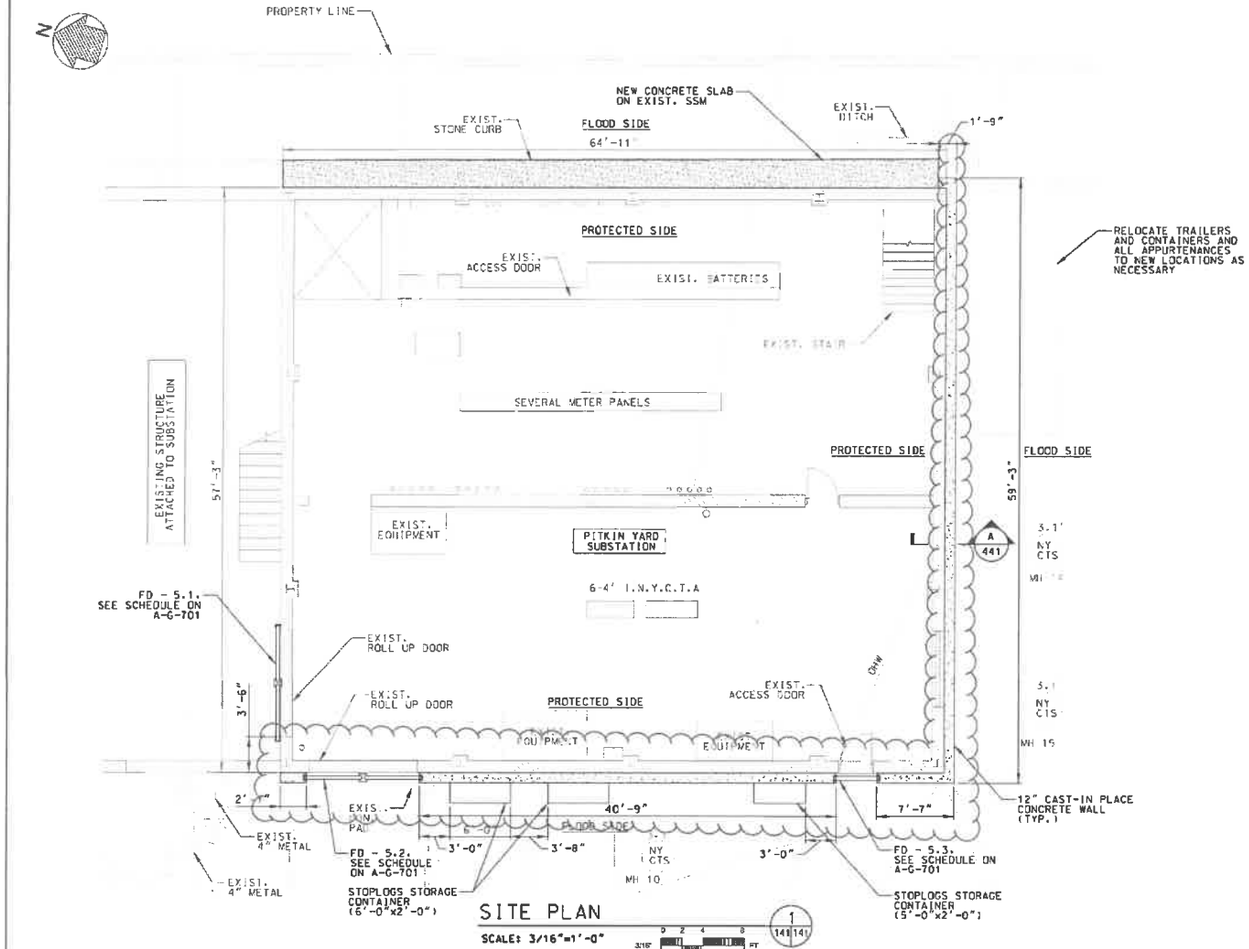
CLIENT: ☐ Hand Delivered ☐ Other _____

CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

12



SITE PLAN

SCALE: 3/16"=1'-0"

GENERAL NOTES:

1. PROVIDE ARCHITECTURAL CONCRETE AND FINISH TREATMENTS FOR PERIMETER FLOOD WALL AS SHOWN ON THE PRELIMINARY DRAWINGS. CONCRETE SHALL HAVE VERTICAL REVEAL JOINTS AT 4 FEET ON CENTER.
2. RESTORE SITE HARDSCAPING MATERIALS, FENCING AND PLANTINGS ADJACENT TO THE BUILDING AT AREAS FOR THE FLOOD WALL INSTALLATION.
3. FLOOD DEVICE DETAILS SHOWN HERE ARE FOR REFERENCE ONLY. FLOOD DEVICE SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE PROVIDED BY THE MANUFACTURER IN ACCORDANCE WITH DESIGN DOCUMENTS FOR ENGINEER'S REVIEW.
4. REFER TO P36343-A-G-701 FOR FLOOD DEVICE OPENING SCHEDULE.
5. PREFORMED EXPANSION JOINT FILLER COMPLYING WITH ASTM D1752, TYPE-I (SPONGE RUBBER)

BUILDING CODE NOTES:

1. ALL WORK HAS BE IN ACCORDANCE WITH NEW YORK STATE BUILDING CODE AND REFERENCED CODE, STANDARDS AND REGULATIONS.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF NEW YORK STATE, OSHA 1926, AND OSHA 1910.3
3. EXISTING BUILDING CODE CLASSIFICATIONS:
   3.1 OCCUPANCY: "U" UTILITY STRUCTURE
   3.2 CONSTRUCTION: IIA
   3.3 UNOCCUPIED
4. BUILDING IS AN ELECTRICAL SUBSTATION AND IS UNOCCUPIED.
5. ACCESSIBILITY - BUILDING IS EXEMPT FROM ACCESSIBILITY REQUIREMENT OF THE NYS BUILDING CODE PER SECTION BC 1103.2.4 UTILITY BUILDINGS AND BC 1103.2.9 EQUIPMENT SPACES.
6. PROJECT WORK SCOPE - FLOOD MITIGATION ONLY.
   6.1 NO CHANGE IN OCCUPANCY OR USE OF BUILDING.
   6.2 NO CHANGE IN CONSTRUCTION TYPE.
   6.3 NO CHANGE IN MEANS OF EGRESS FROM BUILDING.
7. 2020 EXISTING BUILDING CODE OF NEW YORK STATE SHALL GOVERN WORK. METHOD OF COMPLIANCE SHALL BE CLASSIFICATION OF WORK:
   7.1 ALTERATION LEVEL 1 - REPLACEMENT OF CONDUIT SEALANTS.
   7.2 ALTERATION LEVEL 2 - CONCRETE FLOOD WALL AND FLOOD BARRIER DEVICES.

IT IS A VIOLATION OF THE PROFESSIONAL LICENSE LAW FOR ANY PERSON TO ALTER THIS DRAWING IN ANY WAY UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER / REGISTERED ARCHITECT. THE ALTERING ENGINEER/ARCHITECT SHALL AFFIX TO THE DRAWING HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISION	DESCRIPTION	DATE	APPROVED

REVISIONS

CONSTRUCTION & DEVELOPMENT

CONTRACT P-36343
FLOOD MITIGATION AT TWENTY-SIX (26) SUBSTATIONS IN THE BOROUGH OF BROOKLYN, MANHATTAN AND QUEENS

PITKIN YARD SUBSTATION
SITE PLAN

REGISTERED ARCHITECT ... STATE OF NEW YORK

DRAWN BY	NA. DARBHA		DATE: 12/08/2023
DESIGNED BY	E. DAWKINS, RA		DISCIPLINE: ARCHITECTURAL
CHECKED BY	L. ASHABIB		P36343-PIT-A-141
APPROVED BY	E. DAWKINS, RA		REVISION

$DESIGNSFILESEXPANDED$SPEC$ PRINT AS OF $DATE$OF$PLOTTING$ USERSNAME

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Tully - Pitkin
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site: MOW Building
Site Address: Elbert Lane & Blake Ave, Brooklyn NJ

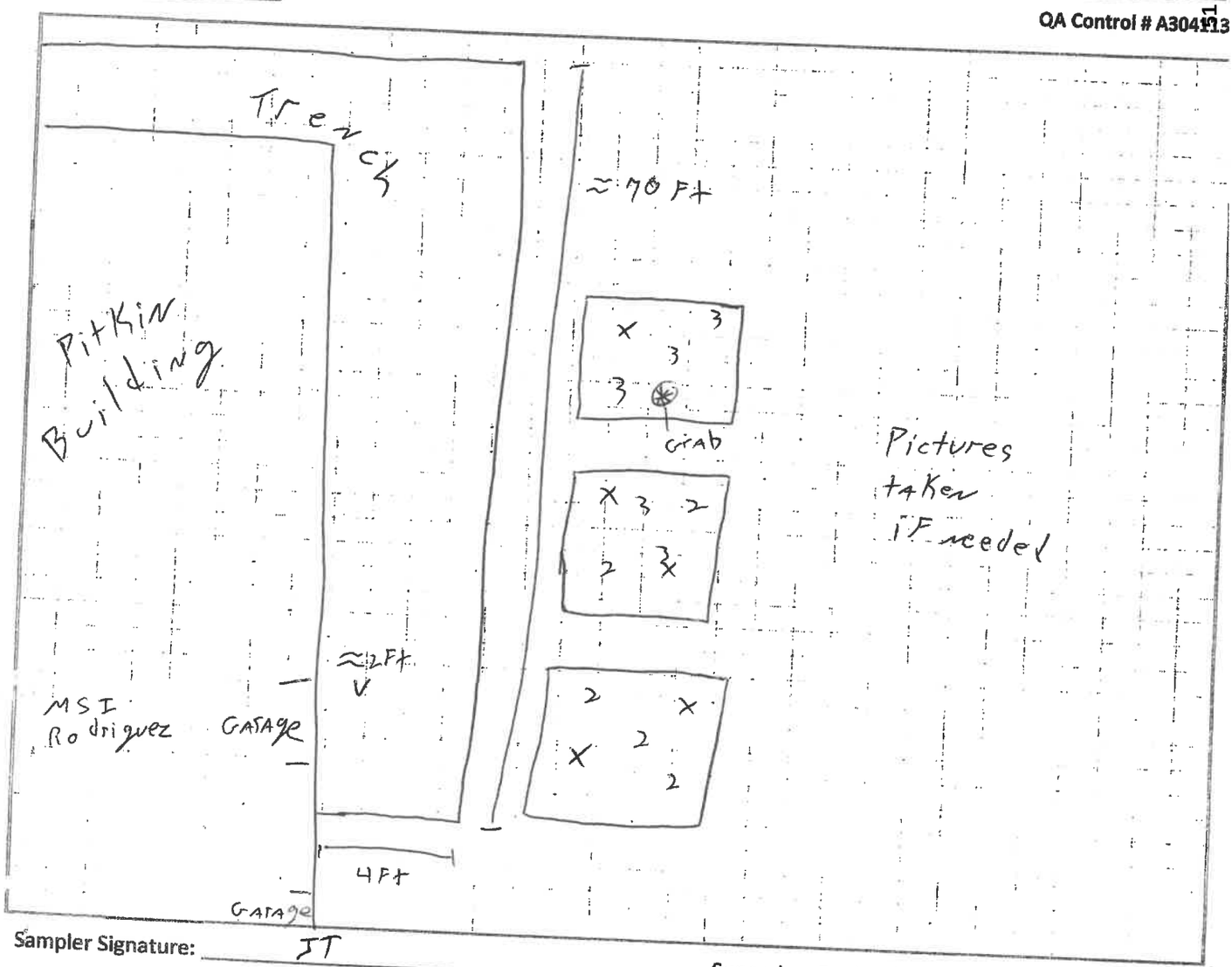
Chemtech Order ID:
Sampler Name: JT
Client Project Coordinator & Phone:
Page #: 1 of 1
Date: 10.28.24
Arrive Time: 800
Depart Time: 845

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: NA
Dimensions/CY: NA
Temp (range): °C
PID Readings (range): 30.1 PPM
Odor: Y / N
Color: Y / N
Sample Description: Brown soil, a little Rocky
Field Observations: Sample taken From storage bags next to excavation

Grid/Area Composite Map:

QA Control # A304113



Sampler Signature: JT
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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4595 TULL02
Client Name : Tully Construction Co., Inc.
Client Contact : Dean Devoe
Invoice Name : Tully Construction Co., Inc.
Invoice Contact : Dean Devoe

Order Date : 10/28/2024 11:31:00 AM
Project Name : ~~Liberty Ave & 76th St~~ Pitkin Yard.
Receive DateTime : 10/28/2024 12:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : Excel NY 375
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4595-05	PITKIN-GRAB	Solid	10/28/2024	08:29					
					VOC-TCLVOA-10		8260D		5 Bus. Days

Relinguished By : JT
Date / Time : 10-28-24 1215

Received By :
Date / Time : 10.28.24 12:15

Storage Area : VOA Refridgerator Room