GILES
ENGINEERING ASSOCIATES, INC.
GEOTECHNICAL, ENVIRONMENTAL & CONSTRUCTION MATERIALS CONSULTANTS

• Dallas, TX
• Los Angeles, CA
• Manassas, VA
• Milwaukee, WI

February 14, 2024

Original Tommy's
c/o RS Herman Architects
849 E. Huntington Drive
Monrovia, CA 91016

Attention: Mr. Richard Hicks

Subject: Limited Phase II Environmental Site Assessment
Proposed Original Tommy's
20032 Ventura Boulevard
Woodland Hills, California
Project No. 2E-2311005

Dear Mr. Hicks:

In accordance with your request and subsequent authorization, Giles has completed environmental soil sampling services for the proposed Original Tommy's located at 20032 Ventura Boulevard, in the City of Woodland Hills, Los Angeles County, California (the "Site"). The Site location is provided on Figure 1. The following letter report includes the scope of services associated with the collection and analysis of environmental soil and soil gas sampling results, and recommendations. Important information regarding this Geoenvironmental report is included in Attachment A.

BACKGROUND INFORMATION

Giles previously completed a Phase I Environmental Site Assessment (Phase I ESA) Giles Project No. 2E-2007001 dated July 23, 2020, for the proposed Original Tommy's. Original Tommy's is planning to redevelop the Site into a restaurant. Pertinent findings of the Phase I ESA are provided below.

Between 1994 and the Phase I ESA site visit, the Site was occupied by Nix Automotive repair facility. Prior to that time, the Site was occupied by a gasoline station beginning in 1958. Two pump islands were formerly located north of the building. Five underground storage tanks (USTs) were formerly located along the southern property line, south-southwest of the existing building. Giles was not granted access to the building interior during the Phase I ESA.

The Site is listed on the leaking underground storage tank (LUST) database and two UST databases: UST LA CITY and HIST TANK. Additionally, the Site is listed on several databases associated with hazardous materials generation and storage. Two gasoline dispensers and five USTs including one 6,000-gallon gasoline UST, three 4,000-gallon gasoline USTs, and one 280-gallon used oil UST were removed from the Site in 1994.

A high vacuum dual phase extraction (HVDPE) system operated at the Site in 2005 and removed a total of 1,572 pounds of hydrocarbon mass in the vapor phase and 1.288 pounds in the liquid phase. In situ chemical oxidation (ISCO) was also conducted at the Site. Most recent groundwater

monitoring completed in June 2009 showed remaining concentrations of 1,940 ug/L TPH-g, 32.5 ug/L benzene, 13.6 ug/L MTBE, and 84.3 ug/L TBAd. Residual groundwater impacts were localized in a small area near the former UST basin. The LUST activity associated with the Site attained case closure in 2009 and the wells at the Site were abandoned.

The north adjoining property has been occupied by a gasoline station since at least 2002. A dry cleaner (Premier Dry Cleaners) also occupied the property in at least 2001. Prior to that, the property was occupied by Woodland Hills Auto and Nissan, which is listed on the LUST database in 1992.The LUST activity is associated with a solvent or non-petroleum hydrocarbon leak and attained closure in July 1996.

The southwest adjoining Fresh Cleaners (former Bell Boy Cleaners) property has been occupied by a dry cleaner since at least 1996. No investigation has been reported at this property.

The Giles Phase I ESA identified the following historical recognized environmental condition (HREC) in relation to the Site:

- The inclusion of the Site on the LUST database for soil and groundwater impacts, which received regulatory closure.

The Giles Phase I ESA identified the following recognized environmental conditions (RECs) in relation to the Site:

- The potential for soil gas impacts to be present on the Site from the former gasoline station located on the Site.

- The potential for undocumented USTs and existing or former hydraulic lifts to be present on the Site.

- The potential for soil gas impacts to be present on the Site from the Union 76 gasoline station property located approximately 120 feet north that was also previously occupied by Premier Dry Cleaners.

- The potential for soil gas impacts to be present on the Site from the former Bell Boy Cleaners property located approximately 140 feet southwest of the Site.

Based on findings and conclusions, Giles recommended that a Limited Phase II ESA be completed to evaluate soil and soil gas impacts at the Site from the identified HREC and RECs in the Phase I ESA. However, significant groundwater data was collected during the Site remediation from 2005 to 2009. The proposed depth of cut for the proposed development is anticipated to be 5 feet or less; therefore, groundwater sampling was not recommended.

SCOPE OF SERVICES

The scope of services for the limited Phase II ESA included the following:

- Prepare and implement a site-specific health and safety plan in accordance with 29 CFR 1910 for all field activities performed at the Site.

- Mark boring locations. Arrange for public utilities locator and retain private utility locator to clear boring locations.
- Retain a qualified drilling contractor to complete 3 direct-push soil borings within the proposed building footprint to 6 feet below the ground surface (bgs) to obtain soil and soil gas samples. A temporary soil gas monitoring point was installed in each boring between 5 and 6 feet to facilitate soil gas sample collection. Giles collected one soil gas sample from each soil gas point and submitted the samples to a California-accredited laboratory for volatile organic compounds (VOCs) analysis using method TO-15.
- Advance 5 soil borings to 3 feet bgs in the areas of the former USTs, pump islands, and around the existing building.
- Advance 2 soil borings to 8 feet bgs on the interior of the existing building, adjacent to the inground lifts.
- Described and field screened soil encountered in the borings for organic vapors using a photoionization detector (PID). Soil boring logs were prepared for each boring location.
- Giles collected and submitted one soil sample from each boring (total of 10) for laboratory analyses by a California-accredited laboratory. The samples were analyzed for volatile organic compounds (VOCs) using SW846 Method 8260B, total petroleum hydrocarbons (TPH) – gasoline range organics (TPH-GRO), TPH-diesel range organics (TPH-DRO), and TPH-oil range organics (TPH-ORO) by EPA Test Method 8015. Additionally, 5 soil samples were analyzed for Title 22 metals using Method 6010B/7471A.
- Transferred investigative wastes (soil cuttings) into labeled 55-gallon drums. The drums were staged on site and until arrangements could be made for their proper disposal at off-site licensed facilities.
- Properly backfilled the borings in accordance with state and local requirements.
- Verified, reduced, and evaluated the data, and prepared a Limited Phase II Report that summarizes the tasks performed and field and laboratory results and provided recommendations.

SUBSURFACE INVESTIGATION

Soil Sampling Methods

Cascade Remediation Services (Cascade) was retained by Giles to complete soil borings B-1 through B-10, using direct-push sampling equipment. In addition, the soil borings B-1 through B-3 were completed as soil gas probes to facilitate soil gas sample collection. The locations of the soil borings are shown on Figure 2. The soil descriptions were documented on the soil boring logs which are included in Attachment B.

Soil headspace field screening was performed on the soil samples collected from each boring to provide an in-field assessment of the potential presence of organic vapors at discrete intervals. Soil samples collected from each sample interval were placed in re-sealable containers and subjected to headspace field screening for organic vapors with a MiniRae Lite PID equipped with a 10.6 electron volt (eV) bulb calibrated to a benzene-equivalent, isobutylene standard gas. The sample containers were partially filled with soil and agitated prior to the headspace field screening.

The PID tip was inserted into the headspace of the container and the maximum reading was recorded on the boring logs (Attachment B).

Soil Gas Sampling Methods

Soil gas probes B-1 through B-3 were installed within or near the footprints of the proposed building. Locations of the soil vapor probes are depicted on Figure 1. Soil borings for the vapor probes were completed to a depth of 6 feet bgs. The soil gas probes were constructed using a 1-inch-long filter joined to the down-hole end of ¼-inch diameter Teflon® tubing. The down-hole end of the tubing was placed at 5.5 feet in B-1 through B-3. Filter sand was used to set the filter at depth and hydrated bentonite was used to back fill the boring from 5.5 feet bgs to the surface form an air-tight seal.

Each soil gas sample was then collected by joining the soil gas probe tubing to a 200-milliliter per minute flow regulator that was joined to an evacuated 1.4-liter Summa canister. Each sample was collected in the Summa canister for a period of at least 10 minutes. The samples were shipped via FedEx under chain-of-custody to Pace Analytical Laboratories for analyses. The soil gas samples were laboratory analyzed for VOCs using Method TO-15. Upon completion of sampling, the tubing was extracted.

SUBSURFACE ASSESSMENT RESULTS

Subsurface Conditions

Soils below the asphalt pavement at the Site generally consist of 1 to 4 feet of light brown to dark brown sandy clay with little gravel (fill). This is underlain by dark brown sandy clay with silt to a depth of 8 feet bgs. No groundwater was encountered in the completed soil borings. Boring logs are provided in Attachment B.

Soil Analytical Results

Two VOCs were detected at concentrations greater than method detection limits in the soil samples ranging to a depth of 8 feet bgs. Benzene was detected in soil sample B-9 at a concentration greater than its United States Environmental Protection Agency (USEPA) Soil Screening Level (SSL) for groundwater protection. Toluene was detected in soil samples B-7 and B-9 greater than method detection limits, but less than USEPA SSLs or Department of Toxic Substances (DTSC) Screening Levels (SLs). No other VOCs were detected in the soil samples.

No SVOCs were detected in the ten soil samples collected.

Several Title 22 Metals were detected at concentrations greater than method detection limits in each of the five samples collected. Arsenic was detected in each of the samples at concentrations greater than the DTSC SL or USEPA Regional Screening Level (RSL) for residential and commercial soil. Arsenic concentrations were detected in soil samples B-5, B-7 and B-8 greater than the USEPA RSL for worker protection. However, each of the arsenic detections were within reported background concentrations based on the Kerney report[1]. Barium, cadmium, and

[1] *Background Concentrations of Trace and Major Elements in California Soils*, Kerney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996

molybdenum were detected in several samples at concentrations greater than their respective USEPA SSL for groundwater protection, but less than or within reported background concentrations. Thallium was detected in soil samples B-5 through B-8 at concentrations greater than the USEPA SSL for groundwater protection and the USEPA RSL for residential soil, but less than the commercial SSL and reported background concentrations. Thallium was not detected in soil sample B-4. Additional metals (beryllium, total chromium, cobalt, copper, lead, nickel, vanadium, and zinc) were detected at concentrations greater than method detection limits in each of the soil samples, but less than DTSC SLs or USEPA RSLs for residential and commercial soil.

None of the samples were identified with TPH-GRO or TPH-DRO greater than method detection limits. TPH-ORO was detected in two samples, less than DTSC SLs and USPEA RSLs

Analytical results are summarized on Table 1. The laboratory report and chain-of-custody documentation are included in Attachment C.

Soil Gas Analytical Results

The soil gas sample laboratory results are discussed below and the analytical results are summarized and compared to their respective current DTSC or USEPA attenuated ambient air screening level (SL) for residential and commercial land use sites (DTSC, 2022) on Table 2. Because the soil gas samples were collected from between 5 and 6 feet bgs, Giles evaluated the potential for the identified compounds to affect indoor air quality if the soil gas traveled through the soil and into the building. A DTSC attenuated ambient air SL was calculated by dividing the DTSC ambient SL by 0.03. The attenuation factor used is consistent with DTSC adoption of the United States Environmental Protection Agency attenuation factors (EPA, 2022). The attenuated value accounts for analyte concentration attenuation as it travels through the soil and building floor and into a building. The SLs generally are used to evaluate the need for further investigation or evaluation.

Numerous VOCs were detected in the soil gas samples. Benzene in all three samples, 1,3-Butadiene in B-1 and B-3 and vinyl chloride in B-3 were detected at concentrations greater than their calculated commercial SLs. Ethylbenzene in B-2 and B-3 and tetrachloroethane (TCE) in B-2 were detected at concentrations greater than their respective calculated residential SLs. Several of the detections were "J" flagged as estimated concentrations.

Precipitation during the drilling activities of soil gas sample B-2 infiltrated the boring once soil gas collection began. Soil gas collection was halted immediately to prevent water infiltration and a second boring was completed approximately two feet west. Giles implemented a leak detection method by covering the connection of the Teflon tubing with an isopropyl alcohol shroud. After the completion of boring B-2, isopropyl alcohol was detected at an elevated concentration of 39,000 µg/m^3. The reported elevated concentration of isopropyl alcohol in soil gas sample B-2 suggests that a leak occurred at the time of soil gas collection, and as such the results are estimated concentrations.

The soil gas analytical results are summarized in Table 2, and the laboratory report and chain-of-custody documentation are included in Attachment D.

Conclusions and Recommendations

Giles completed a Limited Phase II ESA to assess the presence of VOCs, TPH, SVOCs, metals, PCBs, and organic lead in soil, and VOCs in soil gas at the Site. Ten soil borings (B-1 through B-10) were sampled to assess subsurface soils and evaluate soil quality. Borings B-1 through B-3 were converted to temporary soil gas monitoring points and sampled to evaluate soil gas quality.

No SVOCs, PCBs, or organic lead were detected in the ten soil samples collected. Additionally, no exceedances of their ESL or RSL were identified for TPH. VOCS were detected in each of the soil samples. 1,2-Dichloroethane was detected at concentrations greater than commercial SSLs in all ten samples. Toluene and benzene were detected at concentrations lower than their respective DTSC or USEPA SSLs for residential and commercial soil. No other VOCs were detected in the soil samples. Several metals were detected in soil samples. Arsenic was detected at concentrations greater than the DTSC or USEPA SSL for residential and commercial soil in all five samples, and greater than the USEPA RSL for Worker Protection in two soil samples; however, they were all within reported background concentrations. Thallium was detected greater than the DTSC or USEPA SSL for residential soil in two samples, but less than the reported background concentrations.

Minor concentrations of residual petroleum were identified in two samples, one in the former UST location and the second below the building, adjacent to the inground hoists. Based on the concentrations, no additional environmental investigation with respect to VOCs is considered warranted. No additional investigation with respect to SVOCs or TPH in soil at the Site is warranted. Giles believes the detected arsenic, barium, cadmium, molybdenum, thallium, and other metals concentrations represent naturally-occurring background concentrations. No further environmental investigation with respect to metals in soil at the Site is warranted.

Groundwater was not encountered in any of the soil borings. Significant groundwater data was collected during the Site remediation from 2005 to 2009. The proposed depth of cut for the proposed development is anticipated to be 5 feet or less; therefore, no groundwater samples were anticipated to be collected. No further environmental investigation with respect to groundwater at the Site was warranted.

Multiple VOCs were detected in each of the soil gas samples collected. Three of the soil gas samples were installed in the area of the proposed building on site (B-1 through B-3). Two VOCs (Benzene and Vinyl Chloride) were detected in one sample on the east side of the proposed building location greater than commercial SLs. Benzene was also detected in the other two samples in the locations of the proposed building greater than commercial SLs. Concentrations of 1,3-Butadiene were detected in two soil gas samples greater than its calculated commercial SL. Two VOCs (Ethylbenzene and TCE) were detected in soil gas sample B-2 on the east side of the proposed building location greater than residential SLs. TCE was also detected in the other soil gas sample on the east side of the proposed building location greater than residential SL.

Precipitation during the drilling activities of soil gas sample B-2 infiltrated the boring once soil gas collection began. Soil gas collection was halted immediately to prevent water infiltration and a second boring was completed approximately two feet west. After the completion of boring B-2, isopropyl alcohol was detected at an elevated concentration of 39,000 µg/m3. Giles implemented a leak detection method by covering the connection of the Teflon tubing with an isopropyl alcohol cover. The reported elevated concentration of isopropyl alcohol in soil gas sample B-2 suggests that a leak occurred at the time of soil gas collection, and the results are estimated concentrations.

The risk of soil gas migration into structures at the Site is considered low to moderate. It is Giles' opinion that it would be prudent to install a passive vapor mitigation system for the proposed building at the Site. The vapor mitigation system must conform to local, state, and/or federal regulations.

Giles recommends that Client complete a business risk-tolerance evaluation to determine the need for vapor mitigation measures at the Site.

CLOSING

We appreciate the opportunity to be of service on this project. If there are any questions regarding the information contained herein, or if we can be of any additional service, please contact the undersigned at your convenience.

Sincerely,

GILES ENGINEERING ASSOCIATES, INC.

Gregory D. Kolosov
Staff Environmental Professional

Michelle L. Peed
Senior Project Manager

Kevin T. Bugel
Environmental Division Manager

FIGURES
Figure 1 Boring Location Plan

TABLES
Table 1 Soil Analytical Results
Table 2 Soil Gas Analytical Results

ATTACHMENTS
Attachment A Important Information About Your Geoenvironmental Report
Attachment B Soil Boring Logs
Attachment C Soil Analytical Laboratory Reports & Chain-of Custody Documentation
Attachment D Soil Gas Analytical Laboratory Reports & Chain-of Custody Documentation

Distribution: RS Herman Architects
Attn: Mr. Richard Herman (email: rh@rsharch.com)

FIGURES

KEYNOTES:

2	PICK UP WINDOW
3	TRASH ENCLOSURE 203 S.F.– PER CITY OF LA STANDARDS PAINTED TO MATCH BUILDING COLORS. SEE TRASH ENCLOSURE PLANS AND ELEVATIONS. SEE SITE DETAILS. PROVIDE BLACK CONCRETE APRON (SEE ITEM 16 BELOW)
4	1,500 GALLON GREASE INTERCEPTOR. SEE PLUMBING PLANS.
5	POSSIBLE LOCATION OF ELECTRICAL TRANSFORMER PAD (SUBJECT TO DWP APPROVAL) SCREENED BY LANDSCAPING.
6	DIRECTIONAL SIGN AND CONCRETE BASE BY G.C. TO PROVIDE UNDERGROUND ELECTRICAL CONDUITS, PRIOR TO ASPHALT, CONCRETE AND DRIVE THRU PAVING. SEE ELECTRICAL PLANS FOR UNDERGROUND CIRCUITRY CONNECTIONS.
7	96" HIGH 8" X 8" X 16" ORCO BLOCK SPLIT FACED FENCE SCREEN BLOCK WALL, COMMON BOND, WITH 2"HIGH X 8" WIDE PRECISION CAP. COLOR" TAN. WITH 16" X 16" OPEN CENTER CONCRETE MASONRY PILASTER W/ 4– #5 VERT. BARS, PER MANUFACTURER'S SPECIFICATION. SEE PLANNING APPROVED CIVIL PLANS TOTAL LENGTH: 93 LINEAR FOOT. G.C. TO VERIFY LINEAR LENGTH.
8	4" WIDE PAINTED WHITE DIAGONAL STRIPPING PEDESTRIAN ACCESS AND ADA CROSSING PATH
9	PEDESTRIAN ACCESS FROM VENTURA 5'–0"
10	NEW 5' WIDE CONCRETE WALK, BROOM FINISH, MAX. SLOPE 5% IN DIRECTION OF TRAVEL AND 2% CROSS SLOPE MAX.
11	CONCRETE PATIO SLAB W/ DIAGONAL EXPANSION JOINTS EVERY 10'–0". THE CONCRETE SLAB SHALL HAVE 1"X8" DIAGONAL CUTS @ 24" O.C. EA. WAY, MAINTAIN 2% MAX SLOPE TO MEET ADA SITE REQUIREMENTS. PROVIDE EXPANSION JOINTS. SEAL CONCRETE AFTER DRYING WITH SCOFIELD COLORSURE WATER BASE CURING COMPOUND AND SEALER. G.C TO SUBMIT SCOFIELD CUTSHEETS.
12	LONG TERM BYCICLE STORAGE BY SAFE CYCLE– 888–950 6531
13	SHORT TERM BIKE PARKING BY SAFE CYCLE–888–950 6531
14	EXISTING 5' HIGH WOODEN FENCE
15	LOCATION OF MENUBOARD W/ SPEAKERS AND ORDER PLACING
16	6" THK. BLACK CONCRETE DRIVE THRU SLAB, BLACK CONCRETE BY FRANK DAVIS COMPANY, JET BLACK # 860 COLOR WEIGHT SHALL NOT EXCEED 10% OF CEMENT WEIGHT, UNDERLAINM BY 4" THICK CRUSHED AGGREGATE BASE COURSE AND HEAVY WELDED WIRE FABRIC (6X6–W2.9XW2.9 WWF) MAX. JOINT SPACING 15'–0" OR LESS TO CONTROL SHRINKAGE CRACKING. INSTALL DIRECTIONAL SIGNS, MENU BOARD, LOOP SENSORS & UNDERGROUND SENSORS PRIOR TO DRIVE THRU PAVING G.C. TO SEAL CONCRETE AFTER DRYING WITH SCOFIELD COLORSURE WATER BASE CURING COMPOUND AND SEALER. G.C TO SUBMIT SCOFIELD CUTSHEETS.
17	SITE LIGHT POLES TYP. OF (3) TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR, TYP. SEE POWER LIGHT PLAN & PHOTOMETRICS PLAN.–LED HEADS ON 14 FEET TALL POLES AND BASE–PROVIDE SHIELDS AT REAR OF FIXTURES
18	AREA DETECTABLE WARNING TRUNCATED DOME TILE BY GENERAL CONTRACTOR.
19	ACCESSIBLE SIGN (SEE SITE DETAILS). BY GENERAL CONTRACTOR.
20	PAINTED ACCESSIBLE PARKING SYMBOL. SEE SITE DETAILS
21	
22	6" HIGH X 9" WIDE CONCRETE CURB
23	2'–0" CONCRETE PARKING OVERHANG
24	36" HIGH RAILING – PAINTED
25	HIGHWAY DEDICATION

SITE DEVELOPMENT:

SITE AREA: 15,157.87 S.F.
BUILDABLE AREA (SITE LESS DEDICATION): 14,523 S.F.
BUILDING AREA: 1,300 S.F.
FAR: 0.09 TO 1.0

PARKING DATA: TOMMY'S

PARKING REQUIRED: 1/100 13 STALLS
PARKING PROVIDED: 11 STALLS

BIKE PARKING: 8 SHORT TERM
2 LONG TERM

DRIVE THRU STACKING LANE: 9 CARS

SITE/BUILDING DATA:

ZONE: C 1.5-1VLD
TOMMY'S PROPOSED PARCEL: 15,157.87 SF
TOMMY'S BUILDING: 1,300 SQ. FT.
NO. OF SEATS: INDOORS = 0
NO. OF SEATS: OUTDOORS = 52 PATIO SEATING
STANDING = 10 PERSONS
TOTAL= 62 PATIO EATING

LEGEND

- SOIL BORING AND SOIL VAPOR PROBE - 6 FEET
- SOIL BORING - 8 FEET
- SOIL BORING - 3 FEET
- EXISTING BUILDING LOCATION
- FORMER UNDERGROUND TANKS LOCATION
- FORMER PUMP ISLANDS AND EXISTING CANOPY

PROXIMITY OF NEAREST OUTDOOR DINING

"CHIO'S" PERUVIAN GRILL, 481 FT. TO THE EAST FROM THE EASTERLY PROPERTY LINE.
"CHICK FIL–A." 483 FT. TO THE WEST FROM THE WESTERLY PROPERTY LINE.

SITE PLAN

SCALE: 1-10'

DATE	REVISION
8-21-23	PLANNING DEPT. CLARIFICATIONS
9-14-23	REVISED & RESUBMITTED FOR APPROVAL

ORIGINAL Tommy's
20032 VENTURA BLVD.
WOODLAND HILLS, CA. 91364

RSHA
ARCHITECTURE AND PLANNING
RS HERMAN ARCHITECTS
1725 GARDENA AV. 2nd. FLOOR
GLENDALE, CA. 91204
Ph No. (323) 465-7066
Fax No. (323) 465-8066
WWW.RSHARCH.COM

ISSUED FOR APPROVAL	04-06-22
ISSUED FOR PLAN CHECK	
ISSUED FOR BIDDING	
ISSUED FOR PERMIT	
ISSUED FOR CONSTRUCTION	
ISSUED FOR:	
DESIGNED BY:	
DRAWN BY:	R.F.
CHECKED BY:	R.H.
REVIEWED BY:	R.H.
DATE:	11-30-20
JOB NUMBER:	RSH 20-541
FILE:	
SHEET TITLE:	SITE PLAN
SCALE:	
SHEET NUMBER:	SP1.0

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
Proposed Original Tommy's
20032 Ventura Boulevard
Woodland Hills, California
Giles Project No. 2E-2311005

Sample Location	B-1 (0-2')	B-2 (2-4')	B-3 (2-4')	B-4 (1-3')	B-5 (1-3')	B-6 (1-3')	B-7 (2-3')	B-8 (2-3')	B-9 (6-8')	B-10 (6-8')	DTSC or USEPA Soil Screening Level		USEPA RSL for Worker Protection[h]	USEPA SSL for Groundwater Protection	Reported Background Concentration[g]
Sample Date	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23					
Sample Depth (feet below ground surface)	0 - 2	2 - 4	2 - 4	1 - 3	1 - 3	1 - 3	2 - 3	2 - 3	6 - 8	6 - 8					
PID Response (instrument units)	1.3	1.6	0.8	0.9	1.2	2.1	0.7	0.9	1.2	1.8	Residential	Commercial			
SVOCs by EPA Method 8270C (mg/kg)															
1,1'-Biphenyl	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	0.42[a]	1.8[a]	---	0.0087	
1,2,4,5-Tetrachlorobenzene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	17[a]	150[a]	---	0.00079	
1,2,4-Trichlorobenzene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	7.8[a]	35[a]	---	0.0034	
1,2-Dichlorobenzene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	1,800[b]	9,300[b]	---	0.30	
1,3-Dichlorobenzene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	NS	NS	---	NS	
1,4-Dichlorobenzene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	2.6[b]	11[b]	---	0.00046	
1-Methylnaphthalene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	9.9[a]	30[a]	---	0.0060	
2,2'-Oxybis[1-Chloropropane] (bis-Chloroisoprop	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	2,000[a]	16,000[a]	---	0.26	
2,3,4,6-Tetrachlorophenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	1,900[a]	16,000[a]	---	0.18	
2,4,5-Trichlorophenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	6,300[a]	53,000[a]	---	4.0	
2,4,6-Trichlorophenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	7.8[a]	21[a]	---	0.0040	
2,4-Dichlorophenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	190[a]	1,600[a]	---	0.023	
2,4-Dimethylphenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	1,300[a]	11,000[a]	---	0.42	
2,4-Dinitrophenol	<0.32	<0.36	<0.35	<1.6	---	---	---	---	---	<1.6	130[a]	1,100[a]	---	0.044	
2,4-Dinitrotoluene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	1.7[a]	4.7[a]	---	0.00032	
2,6-Dinitrotoluene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	0.36[a]	0.99[a]	---	0.000067	
2-Chloronaphthalene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	4,100[a]	27,000[a]	---	3.9	
2-Chlorophenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	340[a]	3,900[a]	---	0.089	
2-Methylnaphthalene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	190[a]	1,300[a]	---	0.19	
2-Methylphenol (m-Cresol)	<0.087	<0.099	<0.098	<0.43	---	---	---	---	---	<0.43	3,200[a]	26,000[a]	---	0.75	
2-Nitroaniline	<0.076	<0.087	<0.085	<0.38	---	---	---	---	---	<0.38	630[a]	5,200[a]	---	0.080	Not Applicable
2-Nitrophenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	NS	NS	---	NS	
3 & 4 Methylphenol (p-Cresol)	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	3,200[a,c]	26,000[a,c]	---	0.30[c]	
3,3'-Dichlorobenzidine	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	0.45[a]	1.2[a]	---	0.00082	
3-Nitroaniline	<0.085	<0.097	<0.095	<0.42	---	---	---	---	---	<0.42	NS	NS	---	NS	
4,6-Dinitro-2-methylphenol	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	5.1[a]	42[a]	---	0.0026	
4-Bromophenyl phenyl ether	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	NS	NS	---	NS	
4-Chloro-3-methylphenol (cis-1,2-dichloropropene)	<0.088	<0.10	<0.099	<0.44	---	---	---	---	---	<0.44	6,300[a]	53,000[a]	---	1.7	
4-Chloroaniline (p-Chloroaniline)	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	2.7[a]	7.4[a]	---	0.30	
4-Chlorophenyl phenyl ether	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	NS	NS	---	NS	
4-Nitroaniline	<0.12	<0.14	<0.14	<0.61	---	---	---	---	---	<0.61	27[a]	74[a]	---	0.0016	
4-Nitrophenol	<0.12	<0.14	<0.13	<0.60	---	---	---	---	---	<0.59	NS	NS	---	NS	
Acenaphthene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	3,300[a]	23,000[a]	---	5.5	
Acenaphthylene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	NS	NS	---	NS	
Acetophenone	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	6,000[a]	55,000[a]	---	0.58	
Aniline	<0.047	<0.053	<0.052	<0.23	---	---	---	---	---	<0.23	95[a]	260[a]	---	0.0046	
Anthracene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	17,000[a]	130,000[a]	---	58	
Atrazine	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	2.4[a]	6.4[a]	---	0.00020	
Azobenzene	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	5.6[b]	26[b]	---	0.00093	
Benzaldehyde	<0.036	<0.041	<0.040	<0.18	---	---	---	---	---	<0.18	46[a]	210[a]	---	0.0041	
Pyridine	<0.16	<0.19	<0.18	<0.81	---	---	---	---	---	<0.81	58[a]	530[a]	---	0.0068	
No SVOCs were detected.															

TABLE 1
SOIL ANALYTICAL RESULTS SUMMARY
Proposed Original Tommy's
20032 Ventura Boulevard
Woodland Hills, California
Giles Project No. 2E-2311005

Sample Location	B-1 (0-2')	B-2 (2-4')	B-3 (2-4')	B-4 (1-3')	B-5 (1-3')	B-6 (1-3')	B-7 (2-3')	B-8 (2-3')	B-9 (6-8')	B-10 (6-8')	DTSC or USEPA Soil Screening Level		USEPA RSL for Worker Protection[h]	USEPA SSL for Groundwater Protection	Reported Background Concentration[g]
Sample Date	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23	12/21/23					
Sample Depth (feet below ground surface)	0 - 2	2 - 4	2 - 4	1 - 3	1 - 3	1 - 3	2 - 3	2 - 3	6 - 8	6 - 8					
PID Response (instrument units)	1.3	1.6	0.8	0.9	1.2	2.1	0.7	0.9	1.2	1.8	Residential	Commercial			
Title 22 Metals and Hexavalent Chromium by EPA Method 6010B/7471A/7196 (mg/kg)															
Arsenic	NA	NA	NA	**2.4**	**3.0**	**2.3**	**3.5**	**3.1**	NA	NA	0.11[a]	0.36[a]	3.0	0.0015	0.6-11.0
Barium	NA	NA	NA	**150**	**120**	**140**	**120**	**110**	NA	NA	15,000[b]	220,000[b]	220,000	82	133-1,400
Beryllium	NA	NA	NA	**0.38 J**	**0.33 J**	**0.34 J**	**0.22 J**	**0.32 J**	NA	NA	16[a]	230[a]	2,300	19	0.25-2.70
Cadmium	NA	NA	NA	**0.48 J**	**0.50**	**0.54**	ND	**0.41 J**	NA	NA	71[a]	780[a]	100	0.14	0.05-1.70
Chromium, Total	NA	NA	NA	**13**	**15**	**14**	**7.7**	**13**	NA	NA	NS	NS	NS	180,000	23-1,579
Cobalt	NA	NA	NA	**6.2**	**4.8**	**5.5**	**3.9**	**5.1**	NA	NA	23[b]	250[b]	350	14	2.7-46.9
Copper	NA	NA	NA	**13**	**14**	**14**	**7.8**	**11**	NA	NA	3,100[b]	47,000[b]	47,000	28	9.1-96.4
Lead	NA	NA	NA	**2.9**	**2.4 J**	**3.0**	**9.2**	**2.6**	NA	NA	80[a]	320[a]	800	14	12.4-97.1
Molybdenum	NA	NA	NA	**3.7**	**4.4**	**3.9**	**3.2**	**3.6**	NA	NA	390[b]	5,800[b]	5,800	2.0	0.1-9.6
Nickel	NA	NA	NA	**18**	**18**	**16**	**7.2**	**15**	NA	NA	820[a]	11,000[a]	11,000	32	9-509
Selenium	NA	NA	NA	---	---	---	---	---	NA	NA	390[b]	5,800[b]		0.26	0.015-0.430
Silver	NA	NA	NA	---	---	---	---	---	NA	NA	390[b]	5,800[b]		0.80	0.10-8.30
Thallium	NA	NA	NA	---	---	---	---	---	NA	NA	0.71[b]	12[b]		0.014	5.3-36.2
Thallium	NA	NA	NA	ND	**1.8 J**	**1.2 J**	**3.7 J**	**1.2 J**	NA	NA	0.71[b]	12[b]	12	0.014	5.3-36.2
Vanadium	NA	NA	NA	**25**	**30**	**27**	**26**	**26**	NA	NA	390[b]	5,800[b]	5,800	86	39-288
Zinc	NA	NA	NA	**31**	**39**	**34**	**51**	**28**	NA	NA	23,000[b]	350,000[b]	350,000	370	88-236
No other Title 22 Metals were detected.															
Total Petroleum Hydrocarbons (TPH) by Method 8015B															
GRO C4-C12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	82	420	Not Applicable
DRO C13-C40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	260	97	560	
ORO C23-C40	85	ND	ND	ND	ND	ND	1100	ND	ND	31	1600	1600	2400	30000	

NOTES:

Data are reported in milligrams per kilogram (mg/kg) except for STLC results, which are reported in milligrams per liter (mg/L).
PID: photoionization detector
DTSC: California Department of Toxic Substances Control
USEPA (EPA): United States Environmental Protection Agency
USEPA SSL: United States Environmental Protection Agency groundwater protection soil screening level
STLC: Soluble Threshold Limit Concentration
VOCs: Volatile Organic Compounds
SVOCs: Semi-Volatile Organic Compounds
RCRA: Resource Conservation and Recovery Act
DTSC or USEPA soil screening levels obtained from *Human Health Risk Assessment (HHRA) Note 3, DTSC-modified Screening Levels (DTSC-SLs)* , DTSC Human and Ecological Risk Office (HERO), June 2020, if available (screening levels marked "a"). Where DTSC-SLs were not available, USEPA's *Regional Screening Levels (Regional Screening Level (RSL) Summary Table (TR = 1E-6, HQ=1)* , updated November 2021, were used (screening levels marked "b"). If screening levels for both carcinogenic and non-carcinogenic health effects were available, the lower of the two values was used.
USEPA SSL: USEPA soil screening level for groundwater protection (*Regional Screening Level (RSL) Summary Table (TR = 1E-6, HQ=1)* , updated November 2021)
NT: Not Tested
NS: No established DTSC or USEPA screening level

<X.XX: Analyte not detected above its laboratory method detection limit of X.XX
X.XX: Analyte detected above its laboratory method detection limit
X.XX: Analyte detected above its DTSC screening level or USEPA RSL for residential land use.
X.XX: Analyte detected above the DTSC Screening Level or USEPA RSL for both residential and commercial land uses.
X.XX: Analyte detected above the EPA RSL for worker protection and the DTSC Screening Level or USEPA RSL for both residential and commercial land uses.
X.XX: Analyte detected above its USEPA SSL for groundwater protection but not health-based screening levels.
X.XX / X.XX: Sample was reanalyzed. All results are reported.
J: Estimated value. Analyte detected below the laboratory practical quantitation limit, but above the method detection limit.
B: Compound was found in the blank and sample.
a: DTSC-modified Screening Level
b: USEPA RSL
f: USEPA RSL and USEPA SSL are the lower of the values for m-xylene and p-xylene
g: *Background Concentrations of Trace and Major Elements in California Soils* , Kearney Foundation of Soil Science, Division of Agriculture and Natural Resources, University of California, March 1996.

h: Where RSLs for both cancer risk and non-cancer risk exist, the lower value is used.
i: STLC Level is defined in Title 22 of the California Code of Regulations.

TABLE 2
SOIL GAS ANALYTICAL RESULTS SUMMARY

Proposed Original Tommy's
20032 Ventura Boulevard
Woodland Hills, California
Giles Project No. 2E-2311005

Sample Location	B-1	B-2	B-3	DTSC[a] or USEPA[b] Ambient Air Screening		Calculated Soil Gas Screening Level[d]	
Sample Depth (feet below ground surface)	5.5	5.5	5.5				
Sample Date	12/21/23	12/21/23	12/21/23	Residential	Commercial	Residential	Commercial
VOCs (Method TO-15)							
1,2,4-Trimethylbenzene	**6.9 J**	ND	**10 J**	63[b]	260[b]	2,100	8,700
1,3-Butadiene	**130**	ND	**180**	0.017[a]	0.072[a]	0.57	2.4
1-Ethyl-4-methylbenzene	**5.4 J**	ND	ND	NS	NS	NS	NS
2-Butanone (Methyl Ethyl Ketone)	**8.3 J**	**53 J**	**57**	5,200[b]	22,000[b]	170,000	730,000
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND	ND	**13 J**	3,100[b]	13,000[b]	100,000	430,000
Acetone	ND	ND	**300**	NS	NS	NS	NS
Benzene	**21**	**58 J**	**100**	0.097[a]	0.42[a]	3.2	14
Carbon Disulfide	ND	**40 J**	**10 J**	730[b]	3,100[b]	24,000	100,000
Ethanol	**70**	ND	**83**	NS	NS	NS	NS
Ethylbenzene	**9.1 J**	**48 J**	**50**	1.1[b]	4.9[b]	37	160
Heptane	**18 J**	ND	**22**	420[b]	1,800[b]	14,000	60,000
Hexane	**50**	**200 J**	**43**	730[b]	3,100[b]	24,000	100,000
m&p-Xylenes	**32 J**	**190 J**	**200**	100[b]	440[b]	3,300	15,000
o-Xylene	**11 J**	**69 J**	**84**	100[b]	440[b]	3,300	15,000
Propylene	**1800**	**3500**	**1200**	NS	NS	NS	NS
Styrene	ND	ND	**12 J**	940[a]	3,900[a]	31,000	130,000
Tetrahydrofuran	ND	ND	**65**	2,100[b]	8,800[b]	70,000	293,000
Toluene	**54**	**170 J**	**53**	310[a]	1300[a]	10,000	43,000
Total Xylenes	**43 J**	**260 J**	**280**	100[b]	440[b]	3,300	15,000
Trichloroethene (TCE)	ND	**59 J**	**<5.4 J**	0.48[b]	3.0[b]	16	100
Vinyl chloride	ND	ND	**8.9 J**	0.0095[a]	0.16[a]	0.32	5.3
No other VOCs were detected.							
Methane (Method D1946)							
Methane				NS	NS	NS	NS
QA/QC Data							
Helium (Method D1946, %v/v)				NS	NS	NS	NS
Isopropyl Alcohol (Method TO-15, µg/m^3)	71	39000	2600	NS	NS	NS	NS

NOTES:
VOCs: Volatile Organic Compounds
VOC data and screening levels are reported in micrograms per cubic meter (µg/m ^{3}).
DTSC: California Department of Toxic Substances Control
USEPA (EPA): United States Environmental Protection Agency
NS: no DTSC- or USEPA-established screening level
J: Estimated value. Analyte detected between the laboratory method reporting and detection limits
*+: LCS and/or LCSD is outside acceptance limits, high biased.
CI: The peak identified by the data system exhibited chromatographic interference that could not be resolved. There is reason to suspec there may be a high bias.
<X.XX: Analyte not detected above the laboratory method detection limit of X.XX
X.XX: Analyte detected above its laboratory method detection limit
X.XX: Analyte detected above the lower of its carcinogenic or non-carcenogenic health effect calculated DTSC or EPA ambient air screening level for residential land use.
B: Analyte was found in the laboratory method blank and sample
X.XX: Analyte detected above the lower of its carcinogenic or non-carcenogenic health effect calculated DTSC ambient air screening level for commercial land use.

a: DTSC-modified Screening Levels (DTSC-SLs) published in *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs)* published by DTSC's Human and Ecological Risk Office (HERO), June 2020 **- Revised May 2022**

b: USEPA Regional Screening Levels (RSLs), November 2022
c: If available, DTSC-SLs are shown for comparison. Otherwise, USEPA RSLs are shown.
d: Calculated soil gas screening levels were obtained by dividing the analyte's ambient air screening levels by an attenuation factor of 0.03, as described in *Human Health Risk Assessment (HHRA) Note Number 3, DTSC-modified Screening Levels (DTSC-SLs);* DTSC Human and Ecological Risk Office (HERO), June 2020.

ATTACHMENT A

Important Information About Your Geoenvironmental Report

Important Information About Your Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change*, sometimes suddenly, due to any number of events, not the least of which include occurrences at

adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care.

Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in ASFE exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your ASFE-member geoenvironmental professional for more information.

ASFE
THE BEST PEOPLE ON EARTH

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IIGR06055.0M

ATTACHMENT B

Soil Boring Logs

BORING NO. & LOCATION: B-1	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Light Gray to Dark Brown Sandy Clay, trace Gravel, no odor			DP-1						1.3	
Dark Brown firm Clay			DP-2						0.4	
Dark Brown Sandy Clay, trace Silt, firm, no odor	5		DP-3						0.5	
Boring Terminated at about 6 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
⁘	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
▬	Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-2	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Light Brown Clay, trace coarse Sand			DP-1						1.2	
Light to Dark Brown Clay, trace Sand-Moist			DP-2						1.6*	
Light Brown Clay, trace fine Sand and Silt, no odor-Moist	5		DP-3						0.9	
Boring Terminated at about 6 feet										

Water Observation Data	Remarks:
Water Encountered During Drilling:	*Soil gas attempt #1 failed due to rainwater infiltration, second boring drilled for Take #2. Take #2 PID = 0 ppm
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-3	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Light Brown to Light Gray Clayey Sand-Slightly Moist			DP-1						0.7	
Dark Brown firm Clay, trace Sand, no odor			DP-2						0.8	
Light Gray to Light Brown Sandy Clay, trace Silt, very firm and dry, no odor	5		DP-3						0.3	
Boring Terminated at about 6 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
	Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-4	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Light Gray Sandy Gravel			DP-1						1.1	
Dark Brown Clay, trace Silt, moist, not firm, no odor			DP-2						0.9	
Boring Terminated at about 3 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
	Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-5	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
±6" Topsoil: Gravel and Coarse Sand										
Light Brown to Dark Brown Sandy Clay, trace coarse Sand, no odor			DP-1						1.2	
Dark Brown to Light Brown Clay, trace fine Sand, no odor			DP-2						0.5	
Boring Terminated at about 3 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
⋯	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
▬	Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-6	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
±6" Topsoil: Coarse Sand and Gravel										
Light Brown to Dark Brown Sandy Clay, trace coarse Sand and trace Silt, moist, no odor			DP-1						1.9	
			DP-2						2.1	
Boring Terminated at about 3 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
⋯	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
▬	Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-7	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
±6" Topsoil: Coarse Sand and Gravel										
Light Brown Clayey and Silty coarse Sand, trace Gravel, no odor			DP-1						1.0	
			DP-2						0.7	
Boring Terminated at about 3 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
	Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-8	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Coarse Sandy Gravel										
Dark Gray moist Clay, trace Sand, firm, no odor			DP-1						0.9	
			DP-2						0.9	
Boring Terminated at about 3 feet										

	Water Observation Data	Remarks:
▽	Water Encountered During Drilling:	
▼	Water Level At End of Drilling:	
▒	Cave Depth At End of Drilling:	
▼	Water Level After Drilling:	
▬	Cave Depth After Drilling:	

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-9	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Light Brown fine Sand, trace Clay and Silt, odorless			DP-1						1.1	
Light Brown Sandy Silty Clay with fine Sand, loose, odorless			DP-2						0.6	
Dark Brown Silty Clay, trace fine Sand, odorless	5		DP-3						0.7	
Light Brown to Tan very Sandy Clay, loose, odorless			DP-4						1.2	
Boring Terminated at about 8 feet										

Water Observation Data	Remarks:
Water Encountered During Drilling:	
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

BORING NO. & LOCATION: B-10	TEST BORING LOG	GILES ENGINEERING ASSOCIATES, INC.
SURFACE ELEVATION:	ORIGINAL TOMMY'S	
COMPLETION DATE: 12/21/23	20032 VENTURA BOULEVARD WOODLAND HILLS, CALIFORNIA	
FIELD REP: GREGORY KOLOSOV	PROJECT NO: 2E-2311005	

MATERIAL DESCRIPTION	Depth (ft)	Elevation	Sample No. & Type	N	Q_u (tsf)	Q_p (tsf)	Q_s (tsf)	W (%)	PID	NOTES
Light Brown to Brown Sandy Clay, moist, loose			DP-1						0.3	
			DP-2						0.7	
Brown to Dark Brown moist Sandy Clay, trace Silt	5		DP-3						0.4	
			DP-4						1.8*	
Boring Terminated at about 8 feet										

Water Observation Data	Remarks:
Water Encountered During Drilling:	*Drill rig broke down, boring was hand augered
Water Level At End of Drilling:	
Cave Depth At End of Drilling:	
Water Level After Drilling:	
Cave Depth After Drilling:	

Changes in strata indicated by the lines are approximate boundary between soil types. The actual transition may be gradual and may vary considerably between test borings. Location of test boring is shown on the Boring Location Plan.

GILES LOG REPORT 2E2311005.GPJ GILES.GDT 2/14/24

ATTACHMENT C

Soil Analytical Laboratory Report & Chain-of Custody Documentation

Date of Report: 01/04/2024

Michelle Peed

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Client Project:	[none]
Pace Project:	2E-2311005 Tommy's
Pace Work Order:	2323755
Invoice ID:	B489609, B490106

Enclosed are the results of analyses for samples received by the laboratory on 12/22/2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Williams
Client Service Rep

Stuart Buttram
Operations Manager

Table of Contents

Sample Information

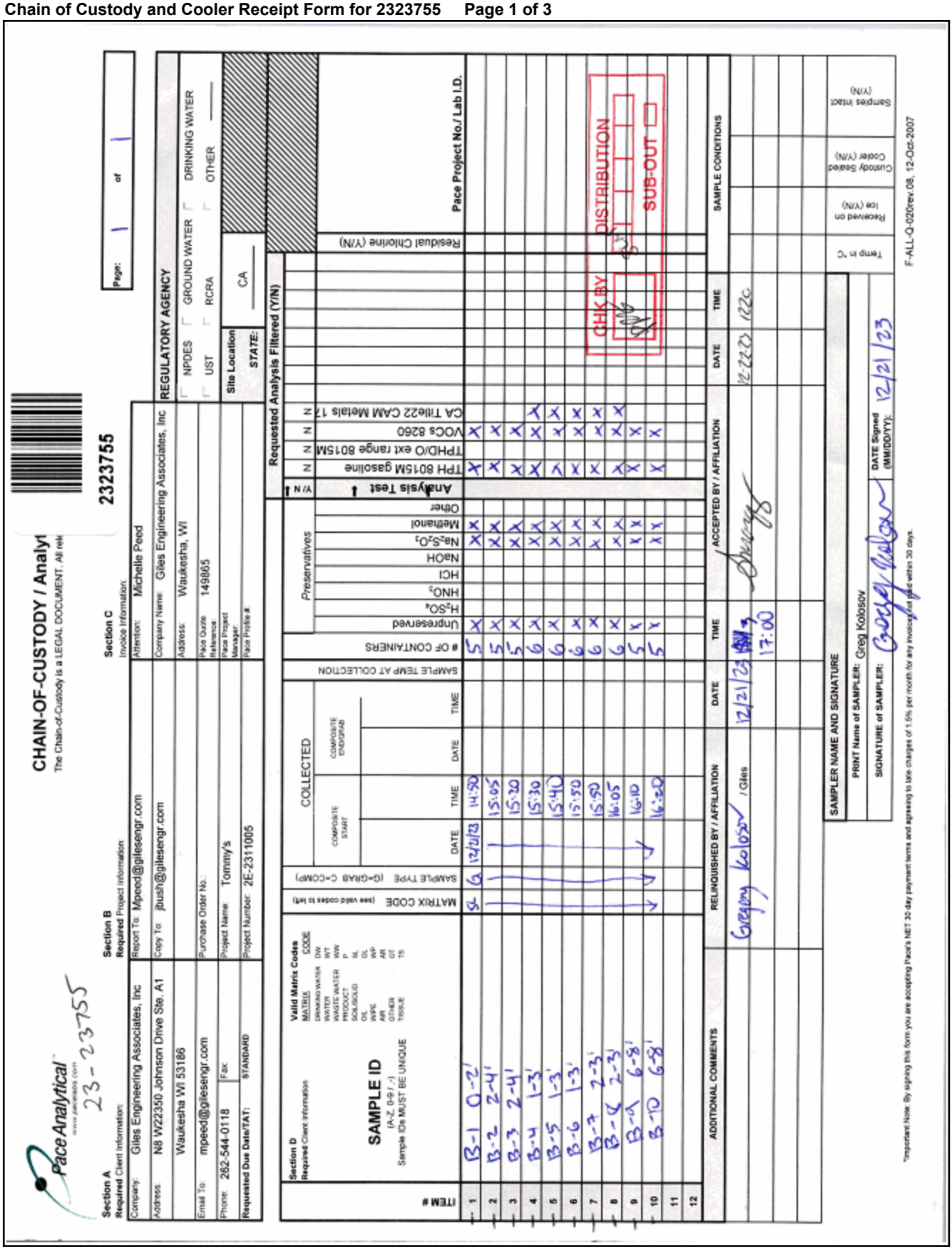
Sample Results

Table of Contents

Case Narratives

Case Narrative for Work Order 2323755

<StartCaseNarr>
8015 TPH Diesel and Motor Oil added 12/27/23 By Michelle via Email
<EndCaseNarr>



CHAIN-OF-CUSTODY / Analy
The Chain-of-Custody is a LEGAL DOCUMENT. All rele

Pace Analytical
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23-23755

2323755

Page: 1 of 1

Section A
Required Client Information:
Company: Giles Engineering Associates, Inc
Address: N8 W22350 Johnson Drive Ste. A1
Waukesha WI 53186
Email To: mpeed@gilesengr.com
Phone: 262-544-0118 Fax:
Requested Due Date/TAT: STANDARD

Section B
Required Project Information:
Report To: Mpeed@gilesengr.com
Copy To: jbush@gilesengr.com
Purchase Order No.:
Project Name: Tommy's
Project Number: 2E-2311005

Section C
Invoice Information:
Attention: Michelle Peed
Company Name: Giles Engineering Associates, Inc
Address: Waukesha, WI
Pace Quote Reference: 149865
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
NPDES GROUND WATER DRINKING WATER
UST RCRA OTHER
Site Location STATE: CA

Section D
Required Client Information
Valid Matrix Codes
MATRIX / CODE
DRINKING WATER DW
WATER WT
WASTE WATER WW
PRODUCT P
SOIL/SOLID SL
OIL OL
WIPE WP
AIR AR
OTHER OT
TISSUE TS

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

MATRIX CODE (see valid codes to left)
SAMPLE TYPE (G=GRAB C=COMP)
COLLECTED: COMPOSITE START DATE / TIME; COMPOSITE END/GRAB DATE / TIME
SAMPLE TEMP AT COLLECTION
OF CONTAINERS
Preservatives: Unpreserved, H_2SO_4, HNO_3, HCl, NaOH, $Na_2S_2O_3$, Methanol, Other
Analysis Test (Y/N): TPH 8015M gasoline; TPHD/O ext range 8015M; VOCs 8260; CA Title22 CAM Metals 17
Residual Chlorine (Y/N)
Pace Project No./ Lab I.D.

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	COLLECTED DATE	COLLECTED TIME	# OF CONTAINERS	TPH 8015M gasoline	TPHD/O ext range 8015M	VOCs 8260	CA Title22 CAM Metals 17
1	B-1 0-2'	SL	G	12/21/23	14:50	5	X	N	X	N
2	B-2 2-4'				15:05	5	X	N	X	N
3	B-3 2-4'				15:20	5	X	N	X	N
4	B-4 1-3'				15:30	6	X	N	X	N
5	B-5 1-3'				15:40	6	X	N	X	N
6	B-6 1-3'				15:50	6	X	N	X	N
7	B-7 2-3'				15:50	6	X	N	X	N
8	B-8 2-3'				16:05	6	X	N	X	N
9	B-9 6-8'				16:10	5	X	N	X	N
10	B-10 6-8'				16:20	5	X	N	X	N
11										
12										

CHK BY
DISTRIBUTION
SUB-OUT

ADDITIONAL COMMENTS

RELINQUISHED BY / AFFILIATION: Gregory Kolosov / Giles — DATE: 12/21/23 — TIME: 17:00
ACCEPTED BY / AFFILIATION — DATE: 12-22-23 — TIME: 1220

SAMPLE CONDITIONS: Temp in °C; Received on Ice (Y/N); Custody Sealed Cooler (Y/N); Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Greg Kolosov
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY): 12/21/23

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007

PACE ANALYTICAL — COOLER RECEIPT FORM — Page 1 Of 2

Submission #: 23-23755

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☑ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐ Box ☐	YES ☑ NO ☐
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	(W) S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☑

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 366 Date/Time: 12.22.23

Temperature: (A) 2-8 °C / (C) 2-5 °C Analyst Init: SMH 1220

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT	A-D	A-D	A-D	A-D	A-D	A-D	A-D	A-D	A-D	A-D
SUMMA CANISTER										

Comments: -2A-C sample time says (1905) vs (1505)

Sample Numbering Completed By: MPI Date/Time: 12/22/23 1550

A = Actual / C = Corrected

Rev 23 05/20/22

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PACE ANALYTICAL ppc 12/22/23 COOLER RECEIPT FORM Page 2 Of 2

Submission #: ~~23-23~~ 23-23755

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☑ UPS ☐ GSO / GLS ☐ Hand Delivery ☐ Pace Lab Field Service ☐ Other ☐ (Specify)_____	Ice Chest ☑ None ☐ Box ☐ Other ☐ (Specify)_____	YES ☑ NO ☐ W / S

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals Ice Chest ☐ Intact? Yes ☐ No ☐ Containers ☐ Intact? Yes ☐ No ☐ None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☐ No ☑

COC Received ☑ YES ☐ NO

Emissivity: 0.97 Container: NA Thermometer ID: 366 Date/Time 12.22.23

Temperature: (A) 3.0 °C / (C) 2.7 °C Analyst Init SMH 1220

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 505/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz/16oz / 32oz AMBER Jar	E	E	E	E	E	E	E	E	E	E
8oz / 16oz / 32oz JAR 40z Jar				F	F	F	F	F		
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER										

Comments:

Sample Numbering Completed By: MP Date/Time: 12/22/23 1350

A = Actual / C = Corrected

Rev 23 05/20/22

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Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2323755-01	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 14:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1 0-2'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-02	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 15:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-2 2-4'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-03	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 15:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3 2-4'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-04	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 15:30
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-4 1-3'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-05	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 15:40
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-5 1-3'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-06	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 15:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-6 1-3'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-07	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 15:50
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-7 2-3'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2323755-08	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 16:05
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-8 2-3'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-09	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 16:10
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-9 6-8'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil
2323755-10	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 16:20
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-10 6-8'	**Lab Matrix:**	Solids
	Sampled By:	Client	**Sample Type:**	Soil

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-01 | **Client Sample Name:** B-1 0-2', 12/21/2023 2:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0044	0.00059	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0044	0.00076	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0044	0.00071	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0044	0.00068	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0044	0.00061	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0044	0.0015	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0044	0.00067	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0044	0.00062	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0044	0.00075	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0044	0.00068	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0044	0.00068	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0044	0.00096	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0044	0.00079	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0044	0.00096	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0044	0.00076	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0044	0.00061	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0044	0.00070	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.00084	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0044	0.00072	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0044	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0044	0.00069	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0044	0.00064	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0044	0.00064	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0044	0.00069	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0044	0.00056	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0044	0.00064	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0044	0.00096	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.00047	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0032	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0044	0.00070	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0044	0.00059	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0044	0.00059	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0044	0.00059	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-01 | **Client Sample Name:** B-1 0-2', 12/21/2023 2:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.00051	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.00058	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0044	0.00061	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0044	0.00059	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0044	0.00070	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0044	0.00052	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0088	0.00096	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0044	0.00049	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0044	0.00087	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0044	0.00062	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0044	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.00083	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.00074	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0044	0.00085	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0044	0.00061	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.00059	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.00082	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0044	0.00065	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0044	0.0017	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0044	0.00088	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0044	0.00070	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0044	0.00058	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0044	0.00052	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0088	0.0022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0044	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0044	0.00082	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-01 | **Client Sample Name:** B-1 0-2', 12/21/2023 2:50:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 10:20	BYM	MS-V18	0.877	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-01 | **Client Sample Name:** B-1 0-2', 12/21/2023 2:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	108	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 15:42	TDH	GC-V8	1.014	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-01 | **Client Sample Name:** B-1 0-2', 12/21/2023 2:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	20	14	EPA-8015B/FFP	ND	A10	1
TPH - Motor Oil	**85**	**mg/kg**	**40**	**20**	**EPA-8015B/FFP**	**ND**	**A10,A57**	**1**
Tetracosane (Surrogate)	55.0	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/03/24 04:32	BUP	GC-2	2.007	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-01 | **Client Sample Name:** B-1 0-2', 12/21/2023 2:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**17.1**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**82.9**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-02 | **Client Sample Name:** B-2 2-4', 12/21/2023 3:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0043	0.00075	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0043	0.00070	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0043	0.00065	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0043	0.00061	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0043	0.00073	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0043	0.00095	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0043	0.00077	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0043	0.00095	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0043	0.00075	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.00082	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0043	0.00070	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0043	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0043	0.00095	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0032	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-02 | **Client Sample Name:** B-2 2-4', 12/21/2023 3:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0043	0.00059	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0043	0.00051	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0086	0.00095	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00048	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0043	0.00085	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0043	0.00061	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0043	0.00053	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00082	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00072	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0043	0.00083	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0043	0.00059	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.00081	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0043	0.00064	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0043	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0043	0.00086	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0043	0.00051	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0086	0.0021	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0043	0.00080	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	110	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-02 | **Client Sample Name:** B-2 2-4', 12/21/2023 3:05:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 12:43	BYM	MS-V18	0.859	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-02 | **Client Sample Name:** B-2 2-4', 12/21/2023 3:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 17:20	TDH	GC-V8	1.014	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-02 | **Client Sample Name:** B-2 2-4', 12/21/2023 3:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	84.6	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 11:57	BUP	GC-2	1	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-02 | **Client Sample Name:** B-2 2-4', 12/21/2023 3:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**16.4**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**83.6**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-03 | **Client Sample Name:** B-3 2-4', 12/21/2023 3:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0041	0.00072	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0041	0.00067	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0041	0.00065	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0041	0.00058	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0041	0.0014	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0041	0.00063	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0041	0.00059	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0041	0.00070	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0041	0.00065	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0041	0.00064	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0041	0.00091	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0041	0.00075	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0041	0.00091	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0041	0.00072	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0041	0.00058	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0041	0.00066	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.00079	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0041	0.00068	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0041	0.00065	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0041	0.00060	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0041	0.00060	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0041	0.00065	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0041	0.00053	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0041	0.00060	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0041	0.00091	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.00045	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0031	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0041	0.00066	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-03 | **Client Sample Name:** B-3 2-4', 12/21/2023 3:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00048	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0041	0.00057	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0041	0.00066	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0041	0.00049	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0083	0.00091	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0041	0.00046	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0041	0.00082	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0041	0.00059	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0041	0.00051	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00079	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	0.00070	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0041	0.00080	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0041	0.00057	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0041	0.00078	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0041	0.00061	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0041	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0041	0.00083	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0041	0.00066	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0041	0.00055	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0041	0.00049	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0083	0.0021	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0041	0.0012	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0041	0.00077	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	106	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-03 | **Client Sample Name:** B-3 2-4', 12/21/2023 3:20:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 13:07	BYM	MS-V18	0.828	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID:	2323755-03	**Client Sample Name:**	B-3 2-4', 12/21/2023 3:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 17:44	TDH	GC-V8	0.988	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-03 | **Client Sample Name:** B-3 2-4', 12/21/2023 3:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	84.8	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 12:20	BUP	GC-2	1.014	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-03 | **Client Sample Name:** B-3 2-4', 12/21/2023 3:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**14.8**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**85.2**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0043	0.00075	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0043	0.00070	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0043	0.00061	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0043	0.00073	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0043	0.00095	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0043	0.00078	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0043	0.00095	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0043	0.00075	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.00083	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0043	0.00071	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0043	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0043	0.00095	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.00047	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0032	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0043	0.00051	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0086	0.00095	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00048	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0043	0.00085	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0043	0.00061	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0043	0.00054	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00082	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00073	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0043	0.00084	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.00058	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.00081	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0043	0.00064	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0043	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0043	0.00086	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0043	0.00051	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0086	0.0022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0043	0.00080	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	108	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	103	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 13:31	BYM	MS-V18	0.864	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	103	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 18:09	TDH	GC-V8	1.020	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	80.9	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 12:44	BUP	GC-2	0.984	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**17.9**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**82.1**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Pace Sample ID: 2323755-04 | **Client Sample Name:** B-4 1-3', 12/21/2023 3:30:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**2.4**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**
Barium	**150**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	**ND**		**1**
Beryllium	**0.38**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	**ND**	**J**	**1**
Cadmium	**0.48**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	**ND**	**J**	**1**
Chromium	**13**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	**ND**		**1**
Cobalt	**6.2**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	**ND**		**1**
Copper	**13**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	**0.055**		**1**
Lead	**2.9**	**mg/kg**	**2.5**	**0.41**	**EPA-6010B**	**ND**		**1**
Mercury	ND	mg/kg	0.16	0.016	EPA-7471A	0.027		2
Molybdenum	**3.7**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	**ND**		**1**
Nickel	**18**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	**ND**		**1**
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	ND	mg/kg	5.0	0.64	EPA-6010B	ND		1
Vanadium	**25**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	**ND**		**1**
Zinc	**31**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	**0.36**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	12/26/23 12:35	12/27/23 14:16	JRG2	PE-OP4	0.926	B180728	EPA 3050B
2	EPA-7471A	01/03/24 08:40	01/03/24 13:05	TMT	CETAC3	1.008	B181049	EPA 7471A

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0042	0.00056	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0042	0.00073	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0042	0.00068	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0042	0.00065	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0042	0.00059	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0042	0.0014	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0042	0.00064	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0042	0.00059	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0042	0.00071	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0042	0.00065	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0042	0.00064	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0042	0.00092	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0042	0.00075	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0042	0.00092	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0042	0.00073	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0042	0.00059	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0042	0.00067	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0042	0.00080	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0042	0.00069	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0042	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0042	0.00066	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0042	0.00061	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0042	0.00061	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0042	0.00066	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0042	0.00054	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0042	0.00061	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0042	0.00092	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	0.00045	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0031	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0042	0.00067	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0042	0.00056	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0042	0.00056	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0042	0.00056	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	0.00048	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	0.00055	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0042	0.00058	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0042	0.00056	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0042	0.00067	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0042	0.00049	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0084	0.00092	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0042	0.00047	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0042	0.00083	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0042	0.00059	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0042	0.00052	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	0.00079	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	0.00070	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0042	0.00081	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0042	0.00058	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0042	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0042	0.00056	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0042	0.00079	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0042	0.00062	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0042	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0042	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0042	0.00084	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0042	0.00067	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0042	0.00055	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0042	0.00049	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0084	0.0021	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0042	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0042	0.00078	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	104	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 13:55	BYM	MS-V18	0.836	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	105	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 18:33	TDH	GC-V8	0.990	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	87.4	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 13:06	BUP	GC-2	1	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**17.6**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**82.4**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Pace Sample ID: 2323755-05 | **Client Sample Name:** B-5 1-3', 12/21/2023 3:40:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.0**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**
Barium	**120**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	**ND**		**1**
Beryllium	**0.33**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	**ND**	**J**	**1**
Cadmium	**0.50**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	**ND**		**1**
Chromium	**15**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	**ND**		**1**
Cobalt	**4.8**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	**ND**		**1**
Copper	**14**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	**0.056**		**1**
Lead	**2.4**	**mg/kg**	**2.5**	**0.41**	**EPA-6010B**	**ND**	**J**	**1**
Mercury	ND	mg/kg	0.16	0.016	EPA-7471A	0.026		2
Molybdenum	**4.4**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	**ND**		**1**
Nickel	**18**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	**ND**		**1**
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**1.8**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	**ND**	**J**	**1**
Vanadium	**30**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	**ND**		**1**
Zinc	**39**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	**0.36**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	12/26/23 12:35	12/27/23 14:17	JRG2	PE-OP4	0.943	B180728	EPA 3050B
2	EPA-7471A	01/03/24 08:40	01/03/24 13:07	TMT	CETAC3	0.992	B181049	EPA 7471A

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0043	0.00074	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0043	0.0015	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0043	0.00065	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0043	0.00061	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0043	0.00073	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0043	0.00077	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0043	0.00074	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.00082	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0043	0.00070	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0043	0.00062	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0043	0.00062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0043	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0043	0.00062	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0032	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00056	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0043	0.00059	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0085	0.00094	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00048	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0043	0.00085	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0043	0.00061	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0043	0.00053	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00081	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00072	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0043	0.00083	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0043	0.00059	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.00080	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0043	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0043	0.00085	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	0.00056	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0085	0.0021	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0043	0.00079	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 14:19	BYM	MS-V18	0.855	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 18:58	TDH	GC-V8	1.002	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	84.3	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 15:25	BUP	GC-2	1	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**16.5**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**83.5**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Pace Sample ID: 2323755-06 | **Client Sample Name:** B-6 1-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**2.3**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**
Barium	**140**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	**ND**		**1**
Beryllium	**0.34**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	**ND**	**J**	**1**
Cadmium	**0.54**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	**ND**		**1**
Chromium	**14**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	**ND**		**1**
Cobalt	**5.5**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	**ND**		**1**
Copper	**14**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	**0.058**		**1**
Lead	**3.0**	**mg/kg**	**2.5**	**0.41**	**EPA-6010B**	**ND**		**1**
Mercury	ND	mg/kg	0.16	0.016	EPA-7471A	0.027		2
Molybdenum	**3.9**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	**ND**		**1**
Nickel	**16**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	**ND**		**1**
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**1.2**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	**ND**	**J**	**1**
Vanadium	**27**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	**ND**		**1**
Zinc	**34**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	**0.37**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	12/26/23 12:35	12/27/23 14:19	JRG2	PE-OP4	0.971	B180728	EPA 3050B
2	EPA-7471A	01/03/24 08:40	01/03/24 13:09	TMT	CETAC3	1.025	B181049	EPA 7471A

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-07 | **Client Sample Name:** B-7 2-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0043	0.00074	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0043	0.00069	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0043	0.0014	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0043	0.00065	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0043	0.00072	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0043	0.00066	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0043	0.00077	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0043	0.00074	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.00082	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0043	0.00070	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0043	0.00062	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0043	0.00062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0043	0.00067	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0043	0.00055	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0043	0.00062	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0043	0.00094	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.00046	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0032	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-07 | **Client Sample Name:** B-7 2-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00049	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.00056	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0043	0.00059	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0085	0.00094	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0043	0.00048	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0043	0.00084	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0043	0.00060	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0043	0.00053	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00081	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.00072	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0043	0.00083	EPA-8260B	ND		1
Toluene	**0.00094**	**mg/kg**	**0.0043**	**0.00059**	**EPA-8260B**	**ND**	**J**	**1**
1,2,3-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0012	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.00057	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.00080	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0043	0.00063	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0043	0.0016	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0043	0.00085	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0043	0.00068	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0043	0.00056	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0043	0.00050	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0085	0.0021	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0043	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0043	0.00079	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	100	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-07 | **Client Sample Name:** B-7 2-3', 12/21/2023 3:50:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 14:43	BYM	MS-V18	0.852	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID:	2323755-07	**Client Sample Name:**	B-7 2-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	80.0	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 20:35	TDH	GC-V8	0.996	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-07 | **Client Sample Name:** B-7 2-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	330	230	EPA-8015B/FFP	ND	A10	1
TPH - Motor Oil	**1100**	**mg/kg**	**670**	**330**	**EPA-8015B/FFP**	**ND**	**A10,A57**	**1**
Tetracosane (Surrogate)	61.2	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 15:48	BUP	GC-2	33.333	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-07 | **Client Sample Name:** B-7 2-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**7.08**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**92.9**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Pace Sample ID: 2323755-07 | **Client Sample Name:** B-7 2-3', 12/21/2023 3:50:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.5**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**
Barium	**120**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	**ND**		**1**
Beryllium	**0.22**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	**ND**	**J**	**1**
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	**7.7**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	**ND**		**1**
Cobalt	**3.9**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	**ND**		**1**
Copper	**7.8**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	**0.060**		**1**
Lead	**9.2**	**mg/kg**	**2.5**	**0.41**	**EPA-6010B**	**ND**		**1**
Mercury	ND	mg/kg	0.16	0.016	EPA-7471A	0.027		2
Molybdenum	**3.2**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	**ND**		**1**
Nickel	**7.2**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	**ND**		**1**
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**3.7**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	**ND**	**J**	**1**
Vanadium	**26**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	**ND**		**1**
Zinc	**51**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	**0.38**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	12/26/23 12:35	12/27/23 14:21	JRG2	PE-OP4	1	B180728	EPA 3050B
2	EPA-7471A	01/03/24 08:40	01/03/24 13:11	TMT	CETAC3	1.025	B181049	EPA 7471A

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0039	0.00067	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0039	0.00063	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0039	0.00060	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0039	0.00054	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0039	0.00059	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00055	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00066	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00060	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0039	0.00060	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0039	0.00085	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0039	0.00070	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0039	0.00085	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0039	0.00067	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0039	0.00054	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.00074	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00063	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0039	0.0011	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00061	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.00056	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.00056	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.00061	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00056	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00085	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.00042	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0029	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00045	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00051	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0039	0.00053	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0077	0.00085	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00043	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0039	0.00077	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0039	0.00055	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0039	0.00048	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00073	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00065	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0039	0.00075	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0039	0.00053	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00073	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0039	0.00057	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0015	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.00077	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.00051	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0039	0.00046	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0077	0.0019	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0039	0.00072	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	105	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 15:07	BYM	MS-V18	0.773	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 21:00	TDH	GC-V8	0.980	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	80.6	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 16:11	BUP	GC-2	1	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**17.7**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**82.3**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Pace Sample ID: 2323755-08 | **Client Sample Name:** B-8 2-3', 12/21/2023 4:05:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Antimony	ND	mg/kg	5.0	0.33	EPA-6010B	ND		1
Arsenic	**3.1**	**mg/kg**	**1.0**	**0.40**	**EPA-6010B**	**ND**		**1**
Barium	**110**	**mg/kg**	**0.50**	**0.18**	**EPA-6010B**	**ND**		**1**
Beryllium	**0.32**	**mg/kg**	**0.50**	**0.047**	**EPA-6010B**	**ND**	**J**	**1**
Cadmium	**0.41**	**mg/kg**	**0.50**	**0.052**	**EPA-6010B**	**ND**	**J**	**1**
Chromium	**13**	**mg/kg**	**0.50**	**0.050**	**EPA-6010B**	**ND**		**1**
Cobalt	**5.1**	**mg/kg**	**2.5**	**0.098**	**EPA-6010B**	**ND**		**1**
Copper	**11**	**mg/kg**	**1.0**	**0.050**	**EPA-6010B**	**0.056**		**1**
Lead	**2.6**	**mg/kg**	**2.5**	**0.41**	**EPA-6010B**	**ND**		**1**
Mercury	ND	mg/kg	0.16	0.016	EPA-7471A	0.026		2
Molybdenum	**3.6**	**mg/kg**	**2.5**	**0.050**	**EPA-6010B**	**ND**		**1**
Nickel	**15**	**mg/kg**	**0.50**	**0.15**	**EPA-6010B**	**ND**		**1**
Selenium	ND	mg/kg	1.0	0.98	EPA-6010B	ND		1
Silver	ND	mg/kg	0.50	0.067	EPA-6010B	ND		1
Thallium	**1.2**	**mg/kg**	**5.0**	**0.64**	**EPA-6010B**	**ND**	**J**	**1**
Vanadium	**26**	**mg/kg**	**0.50**	**0.11**	**EPA-6010B**	**ND**		**1**
Zinc	**28**	**mg/kg**	**2.5**	**0.087**	**EPA-6010B**	**0.36**		**1**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-6010B	12/26/23 12:35	12/27/23 14:22	JRG2	PE-OP4	0.943	B180728	EPA 3050B
2	EPA-7471A	01/03/24 08:40	01/03/24 13:18	TMT	CETAC3	0.977	B181049	EPA 7471A

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-09 | **Client Sample Name:** B-9 6-8', 12/21/2023 4:10:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	**0.0029**	**mg/kg**	**0.0045**	**0.00060**	**EPA-8260B**	**ND**	**J**	**1**
Bromobenzene	ND	mg/kg	0.0045	0.00078	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0045	0.00073	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0045	0.00070	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0045	0.00063	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0045	0.0015	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0045	0.00068	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0045	0.00064	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0045	0.00076	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0045	0.00070	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0045	0.00069	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0045	0.00099	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0045	0.00081	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0045	0.00099	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0045	0.00078	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0045	0.00063	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0045	0.00072	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.00086	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0045	0.00074	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0045	0.0013	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0045	0.00071	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0045	0.00066	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0045	0.00066	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0045	0.00071	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0045	0.00058	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0045	0.00066	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0045	0.00099	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.00049	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0033	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0045	0.00072	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0045	0.00060	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0045	0.00060	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0045	0.00060	EPA-8260B	ND		1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-09 | **Client Sample Name:** B-9 6-8', 12/21/2023 4:10:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.00052	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.00059	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0045	0.00062	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0045	0.00060	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0045	0.00072	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0045	0.00053	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0090	0.00099	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0045	0.00050	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0045	0.00089	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0045	0.00064	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0045	0.00056	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.00085	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.00076	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0045	0.00087	EPA-8260B	ND		1
Toluene	**0.0021**	**mg/kg**	**0.0045**	**0.00062**	**EPA-8260B**	**ND**	**J**	**1**
1,2,3-Trichlorobenzene	ND	mg/kg	0.0045	0.0013	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0013	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.00060	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.00085	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0045	0.00067	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0013	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0045	0.0017	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0045	0.00090	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0045	0.00072	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0045	0.00059	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0045	0.00053	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0090	0.0022	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0045	0.0013	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0045	0.00084	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	117	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	102	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-09 | **Client Sample Name:** B-9 6-8', 12/21/2023 4:10:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 15:31	BYM	MS-V18	0.899	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-09 | **Client Sample Name:** B-9 6-8', 12/21/2023 4:10:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	107	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 21:24	TDH	GC-V8	1.004	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-09 | **Client Sample Name:** B-9 6-8', 12/21/2023 4:10:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	ND	mg/kg	20	9.8	EPA-8015B/FFP	ND		1
Tetracosane (Surrogate)	78.5	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 16:34	BUP	GC-2	0.997	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-09 | **Client Sample Name:** B-9 6-8', 12/21/2023 4:10:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**19.0**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**81.0**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-10 | **Client Sample Name:** B-10 6-8', 12/21/2023 4:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Benzene	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
Bromobenzene	ND	mg/kg	0.0039	0.00067	EPA-8260B	ND		1
Bromochloromethane	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
Bromodichloromethane	ND	mg/kg	0.0039	0.00060	EPA-8260B	ND		1
Bromoform	ND	mg/kg	0.0039	0.00054	EPA-8260B	ND		1
Bromomethane	ND	mg/kg	0.0039	0.0013	EPA-8260B	ND		1
n-Butylbenzene	ND	mg/kg	0.0039	0.00059	EPA-8260B	ND		1
sec-Butylbenzene	ND	mg/kg	0.0039	0.00055	EPA-8260B	ND		1
tert-Butylbenzene	ND	mg/kg	0.0039	0.00066	EPA-8260B	ND		1
Carbon tetrachloride	ND	mg/kg	0.0039	0.00060	EPA-8260B	ND		1
Chlorobenzene	ND	mg/kg	0.0039	0.00059	EPA-8260B	ND		1
Chloroethane	ND	mg/kg	0.0039	0.00085	EPA-8260B	ND		1
Chloroform	ND	mg/kg	0.0039	0.00069	EPA-8260B	ND		1
Chloromethane	ND	mg/kg	0.0039	0.00085	EPA-8260B	ND		1
2-Chlorotoluene	ND	mg/kg	0.0039	0.00067	EPA-8260B	ND		1
4-Chlorotoluene	ND	mg/kg	0.0039	0.00054	EPA-8260B	ND		1
Dibromochloromethane	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0039	0.00074	EPA-8260B	ND		1
1,2-Dibromoethane	ND	mg/kg	0.0039	0.00063	EPA-8260B	ND		1
Dibromomethane	ND	mg/kg	0.0039	0.0011	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	mg/kg	0.0039	0.00061	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	mg/kg	0.0039	0.00056	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	mg/kg	0.0039	0.00056	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	mg/kg	0.0039	0.00061	EPA-8260B	ND		1
1,1-Dichloroethane	ND	mg/kg	0.0039	0.00049	EPA-8260B	ND		1
1,2-Dichloroethane	ND	mg/kg	0.0039	0.00056	EPA-8260B	ND		1
1,1-Dichloroethene	ND	mg/kg	0.0039	0.00085	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	mg/kg	0.0039	0.00042	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	mg/kg	0.0039	0.0029	EPA-8260B	ND		1
1,2-Dichloropropane	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
1,3-Dichloropropane	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
2,2-Dichloropropane	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
1,1-Dichloropropene	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Pace Sample ID: 2323755-10 | **Client Sample Name:** B-10 6-8', 12/21/2023 4:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
cis-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00045	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	mg/kg	0.0039	0.00051	EPA-8260B	ND		1
Ethylbenzene	ND	mg/kg	0.0039	0.00053	EPA-8260B	ND		1
Hexachlorobutadiene	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
Isopropylbenzene	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
p-Isopropyltoluene	ND	mg/kg	0.0039	0.00046	EPA-8260B	ND		1
Methylene chloride	ND	mg/kg	0.0077	0.00085	EPA-8260B	ND		1
Methyl t-butyl ether	ND	mg/kg	0.0039	0.00043	EPA-8260B	ND		1
Naphthalene	ND	mg/kg	0.0039	0.00076	EPA-8260B	ND		1
n-Propylbenzene	ND	mg/kg	0.0039	0.00055	EPA-8260B	ND		1
Styrene	ND	mg/kg	0.0039	0.00048	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00073	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0039	0.00065	EPA-8260B	ND		1
Tetrachloroethene	ND	mg/kg	0.0039	0.00075	EPA-8260B	ND		1
Toluene	ND	mg/kg	0.0039	0.00053	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	mg/kg	0.0039	0.0011	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	mg/kg	0.0039	0.00052	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	mg/kg	0.0039	0.00073	EPA-8260B	ND		1
Trichloroethene	ND	mg/kg	0.0039	0.00057	EPA-8260B	ND		1
Trichlorofluoromethane	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	mg/kg	0.0039	0.0015	EPA-8260B	ND		1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	mg/kg	0.0039	0.00077	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	mg/kg	0.0039	0.00062	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	mg/kg	0.0039	0.00051	EPA-8260B	ND		1
Vinyl chloride	ND	mg/kg	0.0039	0.00046	EPA-8260B	ND		1
Total Xylenes	ND	mg/kg	0.0077	0.0019	EPA-8260B	ND		1
p- & m-Xylenes	ND	mg/kg	0.0039	0.0012	EPA-8260B	ND		1
o-Xylene	ND	mg/kg	0.0039	0.00072	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	70 - 121 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	81 - 117 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	103	%	74 - 121 (LCL - UCL)		EPA-8260B			1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

BCL Sample ID: 2323755-10 | **Client Sample Name:** B-10 6-8', 12/21/2023 4:20:00PM, Client

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-8260B	12/26/23 08:00	12/26/23 15:55	BYM	MS-V18	0.772	B180707	EPA 5035 Soil MS

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-10 | **Client Sample Name:** B-10 6-8', 12/21/2023 4:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	0.20	EPA-8015B	ND		1
a,a,a-Trifluorotoluene (FID Surrogate)	92.5	%	70 - 130 (LCL - UCL)		EPA-8015B			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B	12/27/23 12:02	12/27/23 21:48	TDH	GC-V8	1	B180827	EPA 5030 Soil GC

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Pace Sample ID: 2323755-10 | **Client Sample Name:** B-10 6-8', 12/21/2023 4:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
TPH - Diesel (FFP)	ND	mg/kg	10	7.0	EPA-8015B/FFP	ND		1
TPH - Motor Oil	**31**	**mg/kg**	**20**	**9.8**	**EPA-8015B/FFP**	**ND**	**A57**	**1**
Tetracosane (Surrogate)	85.2	%	40 - 130 (LCL - UCL)		EPA-8015B/FFP			1

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	EPA-8015B/FFP	12/28/23 15:00	01/02/24 16:57	BUP	GC-2	1.007	B180822	EPA 3546

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Pace Sample ID: 2323755-10 | **Client Sample Name:** B-10 6-8', 12/21/2023 4:20:00PM, Client

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Moisture	**19.2**	**%**	**0.05**	**0.05**	**Calc**	**ND**		**1**
Solids	**80.8**	**%**	**0.05**	**0.05**	**SM-2540G**			**2**

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	Prep Method
1	Calc	12/26/23 10:44	12/29/23 14:51	AMM	Calc	1	B180736	Calc
2	SM-2540G	12/27/23 11:00	12/28/23 09:00	ELR	MANUAL	1	B180831	SM 2540G

DCN = Data Continuation Number

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180707							
Benzene	B180707-BLK1	ND	mg/kg	0.0050	0.00067		1
Bromobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00087		1
Bromochloromethane	B180707-BLK1	ND	mg/kg	0.0050	0.00081		1
Bromodichloromethane	B180707-BLK1	ND	mg/kg	0.0050	0.00078		1
Bromoform	B180707-BLK1	ND	mg/kg	0.0050	0.00070		1
Bromomethane	B180707-BLK1	ND	mg/kg	0.0050	0.0017		1
n-Butylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00076		1
sec-Butylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00071		1
tert-Butylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00085		1
Carbon tetrachloride	B180707-BLK1	ND	mg/kg	0.0050	0.00078		1
Chlorobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00077		1
Chloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.0011		1
Chloroform	B180707-BLK1	ND	mg/kg	0.0050	0.00090		1
Chloromethane	B180707-BLK1	ND	mg/kg	0.0050	0.0011		1
2-Chlorotoluene	B180707-BLK1	ND	mg/kg	0.0050	0.00087		1
4-Chlorotoluene	B180707-BLK1	ND	mg/kg	0.0050	0.00070		1
Dibromochloromethane	B180707-BLK1	ND	mg/kg	0.0050	0.00080		1
1,2-Dibromo-3-chloropropane	B180707-BLK1	ND	mg/kg	0.0050	0.00096		1
1,2-Dibromoethane	B180707-BLK1	ND	mg/kg	0.0050	0.00082		1
Dibromomethane	B180707-BLK1	ND	mg/kg	0.0050	0.0014		1
1,2-Dichlorobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00079		1
1,3-Dichlorobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00073		1
1,4-Dichlorobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00073		1
Dichlorodifluoromethane	B180707-BLK1	ND	mg/kg	0.0050	0.00079		1
1,1-Dichloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.00064		1
1,2-Dichloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.00073		1
1,1-Dichloroethene	B180707-BLK1	ND	mg/kg	0.0050	0.0011		1
cis-1,2-Dichloroethene	B180707-BLK1	ND	mg/kg	0.0050	0.00054		1
trans-1,2-Dichloroethene	B180707-BLK1	ND	mg/kg	0.0050	0.0037		1
1,2-Dichloropropane	B180707-BLK1	ND	mg/kg	0.0050	0.00080		1
1,3-Dichloropropane	B180707-BLK1	ND	mg/kg	0.0050	0.00067		1
2,2-Dichloropropane	B180707-BLK1	ND	mg/kg	0.0050	0.00067		1
1,1-Dichloropropene	B180707-BLK1	ND	mg/kg	0.0050	0.00067		1
cis-1,3-Dichloropropene	B180707-BLK1	ND	mg/kg	0.0050	0.00058		1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180707							
trans-1,3-Dichloropropene	B180707-BLK1	ND	mg/kg	0.0050	0.00066		1
Ethylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00069		1
Hexachlorobutadiene	B180707-BLK1	ND	mg/kg	0.0050	0.00067		1
Isopropylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00080		1
p-Isopropyltoluene	B180707-BLK1	ND	mg/kg	0.0050	0.00059		1
Methylene chloride	B180707-BLK1	ND	mg/kg	0.010	0.0011		1
Methyl t-butyl ether	B180707-BLK1	ND	mg/kg	0.0050	0.00056		1
Naphthalene	B180707-BLK1	ND	mg/kg	0.0050	0.00099		1
n-Propylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00071		1
Styrene	B180707-BLK1	ND	mg/kg	0.0050	0.00062		1
1,1,1,2-Tetrachloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.00095		1
1,1,2,2-Tetrachloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.00084		1
Tetrachloroethene	B180707-BLK1	ND	mg/kg	0.0050	0.00097		1
Toluene	B180707-BLK1	ND	mg/kg	0.0050	0.00069		1
1,2,3-Trichlorobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.0015		1
1,2,4-Trichlorobenzene	B180707-BLK1	ND	mg/kg	0.0050	0.0014		1
1,1,1-Trichloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.00067		1
1,1,2-Trichloroethane	B180707-BLK1	ND	mg/kg	0.0050	0.00094		1
Trichloroethene	B180707-BLK1	ND	mg/kg	0.0050	0.00074		1
Trichlorofluoromethane	B180707-BLK1	ND	mg/kg	0.0050	0.0015		1
1,2,3-Trichloropropane	B180707-BLK1	ND	mg/kg	0.0050	0.0019		1
1,1,2-Trichloro-1,2,2-trifluoroethane	B180707-BLK1	ND	mg/kg	0.0050	0.0010		1
1,2,4-Trimethylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00080		1
1,3,5-Trimethylbenzene	B180707-BLK1	ND	mg/kg	0.0050	0.00066		1
Vinyl chloride	B180707-BLK1	ND	mg/kg	0.0050	0.00059		1
Total Xylenes	B180707-BLK1	ND	mg/kg	0.010	0.0025		1
p- & m-Xylenes	B180707-BLK1	ND	mg/kg	0.0050	0.0015		1
o-Xylene	B180707-BLK1	ND	mg/kg	0.0050	0.00093		1
1,2-Dichloroethane-d4 (Surrogate)	**B180707-BLK1**	**104**	%	**70 - 121 (LCL - UCL)**			1
Toluene-d8 (Surrogate)	**B180707-BLK1**	**102**	%	**81 - 117 (LCL - UCL)**			1
4-Bromofluorobenzene (Surrogate)	**B180707-BLK1**	**106**	%	**74 - 121 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180707-BLK1	PB	EPA-8260B	12/26/23	12/26/23 10:44	BYM	MS-V18	1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B180707											
Benzene	B180707-BS1	LCS	0.13537	0.12500	mg/kg	108		70 - 130			1
Bromodichloromethane	B180707-BS1	LCS	0.12864	0.12500	mg/kg	103		70 - 130			1
Chlorobenzene	B180707-BS1	LCS	0.12452	0.12500	mg/kg	99.6		70 - 130			1
Chloroethane	B180707-BS1	LCS	0.12701	0.12500	mg/kg	102		70 - 130			1
1,4-Dichlorobenzene	B180707-BS1	LCS	0.12199	0.12500	mg/kg	97.6		70 - 130			1
1,1-Dichloroethane	B180707-BS1	LCS	0.13214	0.12500	mg/kg	106		70 - 130			1
1,1-Dichloroethene	B180707-BS1	LCS	0.13452	0.12500	mg/kg	108		70 - 130			1
Toluene	B180707-BS1	LCS	0.13319	0.12500	mg/kg	107		70 - 130			1
Trichloroethene	B180707-BS1	LCS	0.12859	0.12500	mg/kg	103		70 - 130			1
1,2-Dichloroethane-d4 (Surrogate)	B180707-BS1	LCS	0.051960	0.050000	mg/kg	104		70 - 121			1
Toluene-d8 (Surrogate)	B180707-BS1	LCS	0.049830	0.050000	mg/kg	99.7		81 - 117			1
4-Bromofluorobenzene (Surrogate)	B180707-BS1	LCS	0.051760	0.050000	mg/kg	104		74 - 121			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180707-BS1	LCS	EPA-8260B	12/26/23	12/26/23 11:08	BYM	MS-V18	1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Analysis (EPA Method 8260B/5035)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B180707	Used client sample: Y - Description: B-1 0-2', 12/21/2023 14:50											
Benzene	MS	2323755-01	ND	0.13096	0.12626	mg/kg		104		70 - 130		1
	MSD	2323755-01	ND	0.11052	0.12500	mg/kg	16.9	88.4	20	70 - 130		2
Bromodichloromethane	MS	2323755-01	ND	0.12748	0.12626	mg/kg		101		70 - 130		1
	MSD	2323755-01	ND	0.11064	0.12500	mg/kg	14.1	88.5	20	70 - 130		2
Chlorobenzene	MS	**2323755-01**	**ND**	**0.10627**	**0.12626**	**mg/kg**		**84.2**		**70 - 130**		1
	MSD	**2323755-01**	**ND**	**0.086450**	**0.12500**	**mg/kg**	**20.6**	**69.2**	**20**	**70 - 130**	**Q02,Q03**	2
Chloroethane	MS	2323755-01	ND	0.14055	0.12626	mg/kg		111		70 - 130		1
	MSD	2323755-01	ND	0.12268	0.12500	mg/kg	13.6	98.1	20	70 - 130		2
1,4-Dichlorobenzene	MS	**2323755-01**	**ND**	**0.084838**	**0.12626**	**mg/kg**		**67.2**		**70 - 130**	**Q03**	1
	MSD	**2323755-01**	**ND**	**0.067940**	**0.12500**	**mg/kg**	**22.1**	**54.4**	**20**	**70 - 130**	**Q02,Q03**	2
1,1-Dichloroethane	MS	2323755-01	ND	0.12891	0.12626	mg/kg		102		70 - 130		1
	MSD	2323755-01	ND	0.10918	0.12500	mg/kg	16.6	87.3	20	70 - 130		2
1,1-Dichloroethene	MS	2323755-01	ND	0.12955	0.12626	mg/kg		103		70 - 130		1
	MSD	2323755-01	ND	0.10887	0.12500	mg/kg	17.3	87.1	20	70 - 130		2
Toluene	MS	2323755-01	ND	0.12084	0.12626	mg/kg		95.7		70 - 130		1
	MSD	2323755-01	ND	0.10007	0.12500	mg/kg	18.8	80.1	20	70 - 130		2
Trichloroethene	MS	2323755-01	ND	0.11881	0.12626	mg/kg		94.1		70 - 130		1
	MSD	2323755-01	ND	0.098280	0.12500	mg/kg	18.9	78.6	20	70 - 130		2
1,2-Dichloroethane-d4 (Surrogate)	MS	2323755-01	ND	0.053222	0.050505	mg/kg		105		70 - 121		1
	MSD	2323755-01	ND	0.053020	0.050000	mg/kg	0.4	106		70 - 121		2
Toluene-d8 (Surrogate)	MS	2323755-01	ND	0.050222	0.050505	mg/kg		99.4		81 - 117		1
	MSD	2323755-01	ND	0.050040	0.050000	mg/kg	0.4	100		81 - 117		2
4-Bromofluorobenzene (Surrogate)	MS	2323755-01	ND	0.052121	0.050505	mg/kg		103		74 - 121		1
	MSD	2323755-01	ND	0.050980	0.050000	mg/kg	2.2	102		74 - 121		2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180707-MS1	MS	EPA-8260B	12/26/23	12/26/23 11:32	BYM	MS-V18	1.010
2	B180707-MSD1	MSD	EPA-8260B	12/26/23	12/26/23 11:56	BYM	MS-V18	1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180827							
Gasoline Range Organics (C4 - C12)	B180827-BLK1	ND	mg/kg	1.0	0.20		1
a,a,a-Trifluorotoluene (FID Surrogate)	**B180827-BLK1**	**110**	%	**70 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180827-BLK1	PB	EPA-8015B	12/27/23	12/27/23 15:17	TDH	GC-V8	1

Pace Analytical
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Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B180827											
Gasoline Range Organics (C4 - C12)	B180827-BS1	LCS	5.4500	5.0000	mg/kg	109		85 - 115			1
a,a,a-Trifluorotoluene (FID Surrogate)	B180827-BS1	LCS	0.036000	0.040000	mg/kg	90.0		70 - 130			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180827-BS1	LCS	EPA-8015B	12/27/23	12/27/23 16:06	TDH	GC-V8	1

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ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B180827	Used client sample: Y - Description: B-1 0-2', 12/21/2023 14:50											
Gasoline Range Organics (C4 - C12)	MS	2323755-01	ND	4.7130	5.0710	mg/kg		92.9		70 - 130		1
	MSD	2323755-01	ND	4.7495	5.0710	mg/kg	0.8	93.7	20	70 - 130		2
a,a,a-Trifluorotoluene (FID Surrogate)	MS	2323755-01	ND	0.036511	0.040568	mg/kg		90.0		70 - 130		1
	MSD	2323755-01	ND	0.036511	0.040568	mg/kg	0	90.0		70 - 130		2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180827-MS1	MS	EPA-8015B	12/27/23	12/27/23 16:31	TDH	GC-V8	1.014
2	B180827-MSD1	MSD	EPA-8015B	12/27/23	12/27/23 16:55	TDH	GC-V8	1.014

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Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180822							
TPH - Diesel (FFP)	B180822-BLK1	ND	mg/kg	10	7.0		1
TPH - Motor Oil	B180822-BLK1	ND	mg/kg	20	9.8		1
Tetracosane (Surrogate)	**B180822-BLK1**	**86.3**	%	**40 - 130 (LCL - UCL)**			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180822-BLK1	PB	EPA-8015B/FFP	12/28/23	01/02/24 10:26	BUP	GC-2	1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B180822											
TPH - Diesel (FFP)	B180822-BS1	LCS	69.247	82.237	mg/kg	84.2		64 - 124			1
Tetracosane (Surrogate)	B180822-BS1	LCS	2.9303	3.2895	mg/kg	89.1		40 - 130			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180822-BS1	LCS	EPA-8015B/FFP	12/28/23	01/02/24 11:35	BUP	GC-2	0.987

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ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B180822	Used client sample: Y - Description: B-9 6-8', 12/21/2023 16:10											
TPH - Diesel (FFP)	MS	2323755-09	ND	58.992	81.967	mg/kg		72.0		52 - 131		1
	MSD	2323755-09	ND	60.493	82.237	mg/kg	2.5	73.6	30	52 - 131		2
Tetracosane (Surrogate)	MS	2323755-09	ND	2.6590	3.2787	mg/kg		81.1		40 - 130		1
	MSD	2323755-09	ND	2.9270	3.2895	mg/kg	9.6	89.0		40 - 130		2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180822-MS1	MS	EPA-8015B/FFP	12/28/23	01/02/24 10:49	BUP	GC-2	0.984
2	B180822-MSD1	MSD	EPA-8015B/FFP	12/28/23	01/02/24 11:12	BUP	GC-2	0.987

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180736							
Moisture	B180736-BLK1	ND	%	0.05	0.05		1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180736-BLK1	PB	Calc	12/26/23	12/29/23 14:51	AMM	Calc	1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Chemical Analysis

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B180831	Used client sample: Y - Description: B-9 6-8', 12/21/2023 16:10											
Solids	DUP	2323755-09	80.985	82.143		%	1.4		20			1

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180831-DUP1	DUP	SM-2540G	12/27/23	12/28/23 09:00	ELR	MANUAL	1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180728							
Antimony	B180728-BLK1	ND	mg/kg	5.0	0.33		1
Arsenic	B180728-BLK1	ND	mg/kg	1.0	0.40		1
Barium	B180728-BLK1	ND	mg/kg	0.50	0.18		1
Beryllium	B180728-BLK1	ND	mg/kg	0.50	0.047		1
Cadmium	B180728-BLK1	ND	mg/kg	0.50	0.052		1
Chromium	B180728-BLK1	ND	mg/kg	0.50	0.050		1
Cobalt	B180728-BLK1	ND	mg/kg	2.5	0.098		1
Copper	**B180728-BLK1**	**0.059868**	**mg/kg**	**1.0**	**0.050**	**J**	1
Lead	B180728-BLK1	ND	mg/kg	2.5	0.41		1
Molybdenum	B180728-BLK1	ND	mg/kg	2.5	0.050		1
Nickel	B180728-BLK1	ND	mg/kg	0.50	0.15		1
Selenium	B180728-BLK1	ND	mg/kg	1.0	0.98		1
Silver	B180728-BLK1	ND	mg/kg	0.50	0.067		1
Thallium	B180728-BLK1	ND	mg/kg	5.0	0.64		1
Vanadium	B180728-BLK1	ND	mg/kg	0.50	0.11		1
Zinc	**B180728-BLK1**	**0.38342**	**mg/kg**	**2.5**	**0.087**	**J**	1
QC Batch ID: B181049							
Mercury	**B181049-BLK1**	**0.026560**	**mg/kg**	**0.16**	**0.016**	**J**	2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180728-BLK1	PB	EPA-6010B	12/26/23	12/27/23 13:44	JRG2	PE-OP4	1
2	B181049-BLK1	PB	EPA-7471A	01/03/24	01/03/24 12:27	TMT	CETAC3	1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B180728											
Antimony	B180728-BS1	LCS	97.557	100.00	mg/kg	97.6		75 - 125			1
Arsenic	B180728-BS1	LCS	20.196	20.000	mg/kg	101		75 - 125			1
Barium	B180728-BS1	LCS	102.68	100.00	mg/kg	103		75 - 125			1
Beryllium	B180728-BS1	LCS	10.423	10.000	mg/kg	104		75 - 125			1
Cadmium	B180728-BS1	LCS	9.4447	10.000	mg/kg	94.4		75 - 125			1
Chromium	B180728-BS1	LCS	101.92	100.00	mg/kg	102		75 - 125			1
Cobalt	B180728-BS1	LCS	106.84	100.00	mg/kg	107		75 - 125			1
Copper	B180728-BS1	LCS	100.59	100.00	mg/kg	101		75 - 125			1
Lead	B180728-BS1	LCS	103.59	100.00	mg/kg	104		75 - 125			1
Molybdenum	B180728-BS1	LCS	100.41	100.00	mg/kg	100		75 - 125			1
Nickel	B180728-BS1	LCS	108.78	100.00	mg/kg	109		75 - 125			1
Selenium	B180728-BS1	LCS	19.922	20.000	mg/kg	99.6		75 - 125			1
Silver	B180728-BS1	LCS	8.2516	10.000	mg/kg	82.5		75 - 125			1
Thallium	B180728-BS1	LCS	107.17	100.00	mg/kg	107		75 - 125			1
Vanadium	B180728-BS1	LCS	103.57	100.00	mg/kg	104		75 - 125			1
Zinc	B180728-BS1	LCS	105.18	100.00	mg/kg	105		75 - 125			1
QC Batch ID: B181049											
Mercury	B181049-BS1	LCS	0.81440	0.80000	mg/kg	102		80 - 120			2

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180728-BS1	LCS	EPA-6010B	12/26/23	12/27/23 14:01	JRG2	PE-OP4	1
2	B181049-BS1	LCS	EPA-7471A	01/03/24	01/03/24 12:29	TMT	CETAC3	1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B180728	Used client sample: N											
Antimony	DUP	2323346-02	ND	ND		mg/kg			20			1
	MS	2323346-02	ND	19.501	100.00	mg/kg		19.5		16 - 119		2
	MSD	2323346-02	ND	14.315	100.00	mg/kg	30.7	14.3	20	16 - 119	Q02,Q03	3
Arsenic	DUP	2323346-02	ND	0.46796		mg/kg			20		J	1
	MS	2323346-02	ND	17.049	20.000	mg/kg		85.2		75 - 125		2
	MSD	2323346-02	ND	11.750	20.000	mg/kg	36.8	58.7	20	75 - 125	Q02,Q03	3
Barium	DUP	2323346-02	51.743	60.080		mg/kg	14.9		20			1
	MS	2323346-02	51.743	135.73	100.00	mg/kg		84.0		75 - 125		2
	MSD	2323346-02	51.743	95.195	100.00	mg/kg	35.1	43.5	20	75 - 125	Q02,Q03	3
Beryllium	DUP	2323346-02	0.25474	0.23736		mg/kg	7.1		20		J	1
	MS	2323346-02	0.25474	8.8111	10.000	mg/kg		85.6		75 - 125		2
	MSD	2323346-02	0.25474	5.7869	10.000	mg/kg	41.4	55.3	20	75 - 125	Q02,Q03	3
Cadmium	DUP	2323346-02	0.55123	0.17851		mg/kg	102		20		J,A02	1
	MS	2323346-02	0.55123	8.5592	10.000	mg/kg		80.1		75 - 125		2
	MSD	2323346-02	0.55123	6.1604	10.000	mg/kg	32.6	56.1	20	75 - 125	Q02,Q03	3
Chromium	DUP	2323346-02	25.298	26.497		mg/kg	4.6		20			1
	MS	2323346-02	25.298	107.26	100.00	mg/kg		82.0		75 - 125		2
	MSD	2323346-02	25.298	70.580	100.00	mg/kg	41.3	45.3	20	75 - 125	Q02,Q03	3
Cobalt	DUP	2323346-02	8.7830	8.0022		mg/kg	9.3		20			1
	MS	2323346-02	8.7830	90.568	100.00	mg/kg		81.8		75 - 125		2
	MSD	2323346-02	8.7830	60.247	100.00	mg/kg	40.2	51.5	20	75 - 125	Q02,Q03	3
Copper	DUP	2323346-02	102.71	62.694		mg/kg	48.4		20		Q01	1
	MS	2323346-02	102.71	160.75	100.00	mg/kg		58.0		75 - 125	Q03	2
	MSD	2323346-02	102.71	106.57	100.00	mg/kg	40.5	3.9	20	75 - 125	Q02,Q03	3
Lead	DUP	2323346-02	94.019	81.158		mg/kg	14.7		20			1
	MS	2323346-02	94.019	151.31	100.00	mg/kg		57.3		75 - 125	Q03	2
	MSD	2323346-02	94.019	137.14	100.00	mg/kg	9.8	43.1	20	75 - 125	Q03	3
Molybdenum	DUP	2323346-02	7.4430	6.0834		mg/kg	20.1		20		A02	1
	MS	2323346-02	7.4430	86.991	100.00	mg/kg		79.5		75 - 125		2
	MSD	2323346-02	7.4430	61.798	100.00	mg/kg	33.9	54.4	20	75 - 125	Q02,Q03	3
Nickel	DUP	2323346-02	24.690	19.483		mg/kg	23.6		20		Q01	1
	MS	2323346-02	24.690	104.97	100.00	mg/kg		80.3		75 - 125		2
	MSD	2323346-02	24.690	67.155	100.00	mg/kg	43.9	42.5	20	75 - 125	Q02,Q03	3

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals	R#
QC Batch ID: B180728	Used client sample: N											
Selenium	DUP	**2323346-02**	**ND**	**ND**		**mg/kg**			**20**			1
	MS	**2323346-02**	**ND**	**14.986**	**20.000**	**mg/kg**		**74.9**		**75 - 125**	**Q03**	2
	MSD	**2323346-02**	**ND**	**10.539**	**20.000**	**mg/kg**	**34.8**	**52.7**	**20**	**75 - 125**	**Q02,Q03**	3
Silver	DUP	**2323346-02**	**0.34856**	**0.38048**		**mg/kg**	**8.8**		**20**		**J**	1
	MS	**2323346-02**	**0.34856**	**9.1573**	**10.000**	**mg/kg**		**88.1**		**75 - 125**		2
	MSD	**2323346-02**	**0.34856**	**7.5286**	**10.000**	**mg/kg**	**19.5**	**71.8**	**20**	**75 - 125**	**Q03**	3
Thallium	DUP	**2323346-02**	**1.1015**	**1.1619**		**mg/kg**	**5.3**		**20**		**J**	1
	MS	**2323346-02**	**1.1015**	**85.417**	**100.00**	**mg/kg**		**84.3**		**75 - 125**		2
	MSD	**2323346-02**	**1.1015**	**66.522**	**100.00**	**mg/kg**	**24.9**	**65.4**	**20**	**75 - 125**	**Q02,Q03**	3
Vanadium	DUP	**2323346-02**	**65.703**	**61.213**		**mg/kg**	**7.1**		**20**			1
	MS	**2323346-02**	**65.703**	**155.28**	**100.00**	**mg/kg**		**89.6**		**75 - 125**		2
	MSD	**2323346-02**	**65.703**	**97.292**	**100.00**	**mg/kg**	**45.9**	**31.6**	**20**	**75 - 125**	**Q02,Q03**	3
Zinc	DUP	**2323346-02**	**1841.2**	**394.40**		**mg/kg**	**129**		**20**		**Q01**	1
	MS	**2323346-02**	**1841.2**	**670.38**	**100.00**	**mg/kg**		**-1170**		**75 - 125**	**A03**	2
	MSD	**2323346-02**	**1841.2**	**346.22**	**100.00**	**mg/kg**	**63.8**	**-1500**	**20**	**75 - 125**	**A03,Q02**	3
QC Batch ID: B181049	Used client sample: N											
Mercury	DUP	2323486-03	0.075714	0.064286		mg/kg	16.3		20		J	4
	MS	2323486-03	0.075714	0.90159	0.79365	mg/kg		104		80 - 120		5
	MSD	2323486-03	0.075714	0.90159	0.79365	mg/kg	0	104	20	80 - 120		6

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180728-DUP1	DUP	EPA-6010B	12/26/23	12/27/23 13:50	JRG2	PE-OP4	1
2	B180728-MS1	MS	EPA-6010B	12/26/23	12/27/23 13:54	JRG2	PE-OP4	1
3	B180728-MSD1	MSD	EPA-6010B	12/26/23	12/27/23 13:56	JRG2	PE-OP4	1
4	B181049-DUP1	DUP	EPA-7471A	01/03/24	01/03/24 12:33	TMT	CETAC3	0.992
5	B181049-MS1	MS	EPA-7471A	01/03/24	01/03/24 12:35	TMT	CETAC3	0.992
6	B181049-MSD1	MSD	EPA-7471A	01/03/24	01/03/24 12:38	TMT	CETAC3	0.992

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 01/04/2024 12:50
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A02	The difference between duplicate readings is less than the quantitation limit.
A03	The sample concentration was more than 4 times the spike level.
A10	Detection and quantitation limits were raised due to matrix interference.
A57	Chromatogram not typical of motor oil.
Q01	Sample precision is not within the control limits.
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) was(were) not within the control limits.

ATTACHMENT D

Soil Gas Analytical Laboratory Report & Chain-of Custody Documentation

Date of Report: 12/29/2023

Michelle Peed

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Client Project:	[none]
Pace Project:	2E-2311005 Tommy's
Pace Work Order:	2323726
Invoice ID:	B489608

Enclosed are the results of analyses for samples received by the laboratory on 12/22/2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Ragen Williams
Client Service Rep

Stuart Buttram
Operations Manager

Table of Contents

Pace Analytical® BAKERSFIELD

Air Chain of Custody

2323726

Report To: Client: Giles Engineering Associates, Inc.	Project #: 2E-2311005
Attn: Michelle Reed	Project Name: Tommy's
Street Address: N8 W22350 Johnson Dr. Ste A1	Sampler(s): (Print) Gregory Koloson
City, State, Zip: Waukesha WI 53186	
Phone: 262-544-0118 Fax:	
Email: mreed@gilesengr.com	
Work Order #: 23-23726	

Analysis Requested: TO-15

Comments:

Sample #	Sample ID	Field ID / Point Of Collection	Date Sampled	Time Sampled	TO-15	Air Type: Soil Vapor (SV) Ambient (A)	Initial Pressure ("Hg)	Sampling Equipment: Canister ID #	Sampling Equipment: Flow Controller ID #	Start Sampling Information: Time	Start Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Time	Stop Sampling Information: Canister Pressure ("Hg)	Lab Received Pressure (psia)	Notes
1	B-1	6' depth	12/21/23	9:47	X	SV	-28	2372	1477	9:47	-28	9:56	-4		
2	B-2	6' depth	12/21/23	13:15	X	SV	-26	2900	1476	13:15	-26	13:58	-6		
3	B-3	6' depth	12/21/23	10:23	X	SV	-26	2476	1475	10:23	-26	10:40	-5		

CLP Level: ☐ Yes ☐ No (If "Yes", Select one) ☐ III ☐ IV
UNITS (select one): ☐ ppbv ☐ µg/m3

CHK BY: MW | DISTRIBUTION: AC | SUB OUT ☐

Billing ☒ Same as above

Client:
Street Address:
City: State: Zip:
Attn: Fax:
P.O.#:

Result Request **Surcharge: ☒ STD (10 Days) ☐ 5 Day** ☐ 4 Day** ☐ 3 Day** ☐ 2 Day** ☐ 1 Day**

Relinquished By	Date	Time	Received By	Date	Time
1. Gregory Koloson [signature]	12/21/23	17:00	1. [signature]	12/22/23	1220
2.			2.		
3.			3.		

4100 Atlas Ct. - Bakersfield, CA 93308 - 661.327.4911 - Fax: 661.327.1918 - www.bclabs.com

Chain of Custody and Cooler Receipt Form for 2323726 Page 2 of 2

PACE ANALYTICAL — COOLER RECEIPT FORM — Page ___ Of ___

Submission #: 23-23726

SHIPPING INFORMATION	SHIPPING CONTAINER	FREE LIQUID
Fed Ex ☒ UPS ☐ GSO / GLS ☐ Hand Delivery ☐	Ice Chest ☐ None ☐ Box ☒	YES ☐ NO ☒
Pace Lab Field Service ☐ Other ☐ (Specify)_____	Other ☐ (Specify)_____	W / S

Refrigerant: Ice ☐ Blue Ice ☐ None ☒ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Emissivity: ___ Container: Summa Thermometer ID: ___

Temperature: (A) Room °C / (C) Temp °C

Date/Time 12/22/23

Analyst Init JM 1220

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT PE UNPRES										
4oz / 8oz / 16oz PE UNPRES										
2oz Cr^{+6}										
QT INORGANIC CHEMICAL METALS										
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL										
QT EPA 1664B										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL - 504										
QT EPA 508/608.3/8081A										
QT EPA 515.1/8151A										
QT EPA 525.2										
QT EPA 525.2 TRAVEL BLANK										
40ml EPA 547										
40ml EPA 531.1										
8oz EPA 548.1										
QT EPA 549.2										
QT EPA 8015M										
QT EPA 8270C										
8oz / 16oz / 32oz AMBER										
8oz / 16oz / 32oz JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
TEDLAR BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
SUMMA CANISTER 1.4L	A	A	A							

Comments:

Sample Numbering Completed By: MN1 Date/Time: 12/22/23 1336

A = Actual / C = Corrected

Rev 23 05/20/22

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
2323726-01	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 09:47
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-1	**Lab Matrix:**	Air
	Sampled By:	Greg Kolosov	**Sample Type:**	Vapor or Air
2323726-02	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 13:15
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-2	**Lab Matrix:**	Air
	Sampled By:	Greg Kolosov	**Sample Type:**	Vapor or Air
2323726-03	**COC Number:**	---	**Receive Date:**	12/22/2023 12:20
	Project Number:	---	**Sampling Date:**	12/21/2023 10:23
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	B-3	**Lab Matrix:**	Air
	Sampled By:	Greg Kolosov	**Sample Type:**	Vapor or Air

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2323726-01 | **Client Sample Name:** B-1, 12/21/2023 9:47:00AM, Greg Kolosov

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Acetone	ND	ug/m3	50	4.3	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	20	2.8	EPA-TO-15	ND	A01	1
Benzene	**21**	**ug/m3**	**20**	**2.1**	**EPA-TO-15**	**ND**	**A01**	**1**
Benzyl chloride	ND	ug/m3	100	2.6	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	100	8.6	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	20	4.7	EPA-TO-15	ND	A01	1
1,3-Butadiene	**130**	**ug/m3**	**20**	**2.2**	**EPA-TO-15**	**ND**	**A01**	**1**
Carbon disulfide	ND	ug/m3	20	1.9	EPA-TO-15	ND	A01	1
Carbon tetrachloride	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	20	5.3	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	20	3.8	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	50	4.3	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	50	5.8	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	50	3.1	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	50	2.3	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	50	2.6	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	50	3.1	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	20	3.2	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	50	3.2	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	50	3.0	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	50	9.1	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Ethanol	**70**	**ug/m3**	**20**	**4.2**	**EPA-TO-15**	**ND**	**A01,V01**	**1**
Ethyl acetate	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Ethylbenzene	**9.1**	**ug/m3**	**50**	**3.2**	**EPA-TO-15**	**ND**	**J,A01**	**1**

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2323726-01 | **Client Sample Name:** B-1, 12/21/2023 9:47:00AM, Greg Kolosov

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1-Ethyl-4-methylbenzene	**5.4**	**ug/m3**	**50**	**3.0**	**EPA-TO-15**	**ND**	**J,A01**	**1**
n-Heptane	**18**	**ug/m3**	**20**	**3.4**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Hexachlorobutadiene	ND	ug/m3	100	15	EPA-TO-15	ND	A01	1
Hexane	**50**	**ug/m3**	**50**	**2.0**	**EPA-TO-15**	**ND**	**A01**	**1**
2-Hexanone	ND	ug/m3	50	2.9	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**71**	**ug/m3**	**20**	**3.2**	**EPA-TO-15**	**ND**	**A01**	**1**
Methylene chloride	ND	ug/m3	100	4.0	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	**8.3**	**ug/m3**	**20**	**1.9**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methyl isobutyl ketone	ND	ug/m3	50	2.6	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	20	2.8	EPA-TO-15	ND	A01	1
Propylene	**1800**	**ug/m3**	**40**	**5.0**	**EPA-TO-15**	**ND**	**A01**	**2**
Styrene	ND	ug/m3	50	2.4	EPA-TO-15	ND	A01	1
1,1,1,2-Tetrachloroethane	ND	ug/m3	50	6.1	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
Toluene	**54**	**ug/m3**	**20**	**2.7**	**EPA-TO-15**	**ND**	**A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	100	8.2	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	50	3.9	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	50	6.1	EPA-TO-15	ND	A01	1
Trichloroethene	ND	ug/m3	50	5.4	EPA-TO-15	ND	A01	1
Trichlorofluoromethane	ND	ug/m3	50	4.7	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	50	5.5	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	**6.9**	**ug/m3**	**50**	**4.0**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,3,5-Trimethylbenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	20	3.9	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**32**	**ug/m3**	**50**	**6.1**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	**11**	**ug/m3**	**50**	**3.0**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Total Xylenes	**43**	**ug/m3**	**100**	**9.1**	**EPA-TO-15**	**ND**	**J,A01**	**1**
4-Bromofluorobenzene (Surrogate)	89.9	%	70 - 130 (LCL - UCL)		EPA-TO-15			1
4-Bromofluorobenzene (Surrogate)	86.3	%	70 - 130 (LCL - UCL)		EPA-TO-15			2

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2323726-01 | **Client Sample Name:** B-1, 12/21/2023 9:47:00AM, Greg Kolosov

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-TO-15	12/27/23 08:18	12/28/23 02:23	BEP	MS-A1	10	B180857	EPA TO-15
2	EPA-TO-15	12/27/23 08:18	12/28/23 10:05	BEP	MS-A1	20	B180857	EPA TO-15

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2323726-02 | **Client Sample Name:** B-2, 12/21/2023 1:15:00PM, Greg Kolosov

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Acetone	ND	ug/m3	500	43	EPA-TO-15	ND	A01	1
Acrylonitrile	ND	ug/m3	200	27	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	200	28	EPA-TO-15	ND	A01	1
Benzene	**58**	**ug/m3**	**200**	**21**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Benzyl chloride	ND	ug/m3	1000	26	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	500	45	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	1000	86	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	200	47	EPA-TO-15	ND	A01	1
1,3-Butadiene	ND	ug/m3	200	22	EPA-TO-15	ND	A01	1
Carbon disulfide	**40**	**ug/m3**	**200**	**19**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Carbon tetrachloride	ND	ug/m3	500	45	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	500	40	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	200	53	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	200	38	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	500	43	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	500	58	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	500	50	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	500	31	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	500	50	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	500	45	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	500	23	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	500	26	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	500	31	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	200	32	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	200	27	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	500	32	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	500	30	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	500	40	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	500	91	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	200	33	EPA-TO-15	ND	A01	1
Ethanol	ND	ug/m3	200	42	EPA-TO-15	ND	A01,V01	1
Ethyl acetate	ND	ug/m3	200	33	EPA-TO-15	ND	A01	1
Ethylbenzene	**48**	**ug/m3**	**500**	**32**	**EPA-TO-15**	**ND**	**J,A01**	**1**

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2323726-02 | **Client Sample Name:** B-2, 12/21/2023 1:15:00PM, Greg Kolosov

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1-Ethyl-4-methylbenzene	ND	ug/m3	500	30	EPA-TO-15	ND	A01	1
n-Heptane	ND	ug/m3	200	34	EPA-TO-15	ND	A01	1
Hexachlorobutadiene	ND	ug/m3	1000	150	EPA-TO-15	ND	A01	1
Hexane	**200**	**ug/m3**	**500**	**20**	**EPA-TO-15**	**ND**	**J,A01**	**1**
2-Hexanone	ND	ug/m3	500	29	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**39000**	**ug/m3**	**2000**	**320**	**EPA-TO-15**	**ND**	**A01**	**2**
Methylene chloride	ND	ug/m3	1000	40	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	**53**	**ug/m3**	**200**	**19**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methyl isobutyl ketone	ND	ug/m3	500	26	EPA-TO-15	ND	A01	1
Methyl t-butyl ether	ND	ug/m3	200	28	EPA-TO-15	ND	A01	1
Propylene	**3500**	**ug/m3**	**200**	**25**	**EPA-TO-15**	**ND**	**A01**	**1**
Styrene	ND	ug/m3	500	24	EPA-TO-15	ND	A01	1
1,1,1,2-Tetrachloroethane	ND	ug/m3	500	61	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	500	50	EPA-TO-15	ND	A01	1
Tetrahydrofuran	ND	ug/m3	200	27	EPA-TO-15	ND	A01	1
Toluene	**170**	**ug/m3**	**200**	**27**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	1000	82	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	500	39	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	500	61	EPA-TO-15	ND	A01	1
Trichloroethene	**59**	**ug/m3**	**500**	**54**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Trichlorofluoromethane	ND	ug/m3	500	47	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	500	55	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	ND	ug/m3	500	40	EPA-TO-15	ND	A01	1
1,3,5-Trimethylbenzene	ND	ug/m3	500	40	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	200	33	EPA-TO-15	ND	A01	1
Vinyl chloride	ND	ug/m3	200	39	EPA-TO-15	ND	A01	1
p- & m-Xylenes	**190**	**ug/m3**	**500**	**61**	**EPA-TO-15**	**ND**	**J,A01**	**1**
o-Xylene	**69**	**ug/m3**	**500**	**30**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Total Xylenes	**260**	**ug/m3**	**1000**	**91**	**EPA-TO-15**	**ND**	**J,A01**	**1**
4-Bromofluorobenzene (Surrogate)	90.9	%	70 - 130 (LCL - UCL)		EPA-TO-15			1
4-Bromofluorobenzene (Surrogate)	92.3	%	70 - 130 (LCL - UCL)		EPA-TO-15			2

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID: 2323726-02 | **Client Sample Name:** B-2, 12/21/2023 1:15:00PM, Greg Kolosov

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-TO-15	12/27/23 08:18	12/28/23 03:30	BEP	MS-A1	100	B180857	EPA TO-15
2	EPA-TO-15	12/27/23 08:18	12/28/23 04:01	BEP	MS-A1	1000	B180857	EPA TO-15

DCN = Data Continuation Number

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2323726-03 | **Client Sample Name:** B-3, 12/21/2023 10:23:00AM, Greg Kolosov

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
Acetone	**300**	**ug/m3**	**50**	**4.3**	**EPA-TO-15**	**ND**	**A01**	**1**
Acrylonitrile	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
Allyl chloride	ND	ug/m3	20	2.8	EPA-TO-15	ND	A01	1
Benzene	**100**	**ug/m3**	**20**	**2.1**	**EPA-TO-15**	**ND**	**A01**	**1**
Benzyl chloride	ND	ug/m3	100	2.6	EPA-TO-15	ND	A01	1
Bromodichloromethane	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
Bromoform	ND	ug/m3	100	8.6	EPA-TO-15	ND	A01	1
Bromomethane	ND	ug/m3	20	4.7	EPA-TO-15	ND	A01	1
1,3-Butadiene	**180**	**ug/m3**	**20**	**2.2**	**EPA-TO-15**	**ND**	**A01**	**1**
Carbon disulfide	**10**	**ug/m3**	**20**	**1.9**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Carbon tetrachloride	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
Chlorobenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
Chloroethane	ND	ug/m3	20	5.3	EPA-TO-15	ND	A01	1
Cyclohexane	ND	ug/m3	20	3.8	EPA-TO-15	ND	A01	1
Dibromochloromethane	ND	ug/m3	50	4.3	EPA-TO-15	ND	A01	1
1,2-Dibromoethane	ND	ug/m3	50	5.8	EPA-TO-15	ND	A01	1
1,2-Dichlorobenzene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
1,3-Dichlorobenzene	ND	ug/m3	50	3.1	EPA-TO-15	ND	A01	1
1,4-Dichlorobenzene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
Dichlorodifluoromethane	ND	ug/m3	50	4.5	EPA-TO-15	ND	A01	1
1,1-Dichloroethane	ND	ug/m3	50	2.3	EPA-TO-15	ND	A01	1
1,2-Dichloroethane	ND	ug/m3	50	2.6	EPA-TO-15	ND	A01	1
1,1-Dichloroethene	ND	ug/m3	50	3.1	EPA-TO-15	ND	A01	1
cis-1,2-Dichloroethene	ND	ug/m3	20	3.2	EPA-TO-15	ND	A01	1
trans-1,2-Dichloroethene	ND	ug/m3	20	2.7	EPA-TO-15	ND	A01	1
1,2-Dichloropropane	ND	ug/m3	50	3.2	EPA-TO-15	ND	A01	1
cis-1,3-Dichloropropene	ND	ug/m3	50	3.0	EPA-TO-15	ND	A01	1
trans-1,3-Dichloropropene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ug/m3	50	9.1	EPA-TO-15	ND	A01	1
1,4-Dioxane	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Ethanol	**83**	**ug/m3**	**20**	**4.2**	**EPA-TO-15**	**ND**	**A01,V01**	**1**
Ethyl acetate	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Ethylbenzene	**50**	**ug/m3**	**50**	**3.2**	**EPA-TO-15**	**ND**	**A01**	**1**

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Pace Sample ID: 2323726-03 | **Client Sample Name:** B-3, 12/21/2023 10:23:00AM, Greg Kolosov

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	DCN
1-Ethyl-4-methylbenzene	ND	ug/m3	50	3.0	EPA-TO-15	ND	A01	1
n-Heptane	**22**	**ug/m3**	**20**	**3.4**	**EPA-TO-15**	**ND**	**A01**	**1**
Hexachlorobutadiene	ND	ug/m3	100	15	EPA-TO-15	ND	A01	1
Hexane	**43**	**ug/m3**	**50**	**2.0**	**EPA-TO-15**	**ND**	**J,A01**	**1**
2-Hexanone	ND	ug/m3	50	2.9	EPA-TO-15	ND	A01	1
Isopropyl alcohol	**2600**	**ug/m3**	**40**	**6.4**	**EPA-TO-15**	**ND**	**A01**	**2**
Methylene chloride	ND	ug/m3	100	4.0	EPA-TO-15	ND	A01	1
Methyl ethyl ketone	**57**	**ug/m3**	**20**	**1.9**	**EPA-TO-15**	**ND**	**A01**	**1**
Methyl isobutyl ketone	**13**	**ug/m3**	**50**	**2.6**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Methyl t-butyl ether	ND	ug/m3	20	2.8	EPA-TO-15	ND	A01	1
Propylene	**1200**	**ug/m3**	**40**	**5.0**	**EPA-TO-15**	**ND**	**A01**	**2**
Styrene	**12**	**ug/m3**	**50**	**2.4**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,1,1,2-Tetrachloroethane	ND	ug/m3	50	6.1	EPA-TO-15	ND	A01	1
Tetrachloroethene	ND	ug/m3	50	5.0	EPA-TO-15	ND	A01	1
Tetrahydrofuran	**65**	**ug/m3**	**20**	**2.7**	**EPA-TO-15**	**ND**	**A01**	**1**
Toluene	**53**	**ug/m3**	**20**	**2.7**	**EPA-TO-15**	**ND**	**A01**	**1**
1,2,4-Trichlorobenzene	ND	ug/m3	100	8.2	EPA-TO-15	ND	A01	1
1,1,1-Trichloroethane	ND	ug/m3	50	3.9	EPA-TO-15	ND	A01	1
1,1,2-Trichloroethane	ND	ug/m3	50	6.1	EPA-TO-15	ND	A01	1
Trichloroethene	**5.4**	**ug/m3**	**50**	**5.4**	**EPA-TO-15**	**ND**	**J,A01**	**1**
Trichlorofluoromethane	ND	ug/m3	50	4.7	EPA-TO-15	ND	A01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/m3	50	5.5	EPA-TO-15	ND	A01	1
1,2,4-Trimethylbenzene	**10**	**ug/m3**	**50**	**4.0**	**EPA-TO-15**	**ND**	**J,A01**	**1**
1,3,5-Trimethylbenzene	ND	ug/m3	50	4.0	EPA-TO-15	ND	A01	1
Vinyl acetate	ND	ug/m3	20	3.3	EPA-TO-15	ND	A01	1
Vinyl chloride	**8.9**	**ug/m3**	**20**	**3.9**	**EPA-TO-15**	**ND**	**J,A01**	**1**
p- & m-Xylenes	**200**	**ug/m3**	**50**	**6.1**	**EPA-TO-15**	**ND**	**A01**	**1**
o-Xylene	**84**	**ug/m3**	**50**	**3.0**	**EPA-TO-15**	**ND**	**A01**	**1**
Total Xylenes	**280**	**ug/m3**	**100**	**9.1**	**EPA-TO-15**	**ND**	**A01**	**1**
4-Bromofluorobenzene (Surrogate)	89.5	%	70 - 130 (LCL - UCL)		EPA-TO-15			1
4-Bromofluorobenzene (Surrogate)	87.6	%	70 - 130 (LCL - UCL)		EPA-TO-15			2

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

BCL Sample ID:	2323726-03	**Client Sample Name:**	B-3, 12/21/2023 10:23:00AM, Greg Kolosov

DCN	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID	
1	EPA-TO-15	12/27/23 08:18	12/28/23 02:53	BEP	MS-A1	10	B180857	EPA TO-15
2	EPA-TO-15	12/27/23 08:18	12/28/23 10:36	BEP	MS-A1	20	B180857	EPA TO-15

DCN = Data Continuation Number

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180857							
Acetone	B180857-BLK1	ND	ug/m3	5.0	0.43		1
Acrylonitrile	B180857-BLK1	ND	ug/m3	2.0	0.27		1
Allyl chloride	B180857-BLK1	ND	ug/m3	2.0	0.28		1
Benzene	B180857-BLK1	ND	ug/m3	2.0	0.21		1
Benzyl chloride	B180857-BLK1	ND	ug/m3	10	0.26		1
Bromodichloromethane	B180857-BLK1	ND	ug/m3	5.0	0.45		1
Bromoform	B180857-BLK1	ND	ug/m3	10	0.86		1
Bromomethane	B180857-BLK1	ND	ug/m3	2.0	0.47		1
1,3-Butadiene	B180857-BLK1	ND	ug/m3	2.0	0.22		1
Carbon disulfide	B180857-BLK1	ND	ug/m3	2.0	0.19		1
Carbon tetrachloride	B180857-BLK1	ND	ug/m3	5.0	0.45		1
Chlorobenzene	B180857-BLK1	ND	ug/m3	5.0	0.40		1
Chloroethane	B180857-BLK1	ND	ug/m3	2.0	0.53		1
Cyclohexane	B180857-BLK1	ND	ug/m3	2.0	0.38		1
Dibromochloromethane	B180857-BLK1	ND	ug/m3	5.0	0.43		1
1,2-Dibromoethane	B180857-BLK1	ND	ug/m3	5.0	0.58		1
1,2-Dichlorobenzene	B180857-BLK1	ND	ug/m3	5.0	0.50		1
1,3-Dichlorobenzene	B180857-BLK1	ND	ug/m3	5.0	0.31		1
1,4-Dichlorobenzene	B180857-BLK1	ND	ug/m3	5.0	0.50		1
Dichlorodifluoromethane	B180857-BLK1	ND	ug/m3	5.0	0.45		1
1,1-Dichloroethane	B180857-BLK1	ND	ug/m3	5.0	0.23		1
1,2-Dichloroethane	B180857-BLK1	ND	ug/m3	5.0	0.26		1
1,1-Dichloroethene	B180857-BLK1	ND	ug/m3	5.0	0.31		1
cis-1,2-Dichloroethene	B180857-BLK1	ND	ug/m3	2.0	0.32		1
trans-1,2-Dichloroethene	B180857-BLK1	ND	ug/m3	2.0	0.27		1
1,2-Dichloropropane	B180857-BLK1	ND	ug/m3	5.0	0.32		1
cis-1,3-Dichloropropene	B180857-BLK1	ND	ug/m3	5.0	0.30		1
trans-1,3-Dichloropropene	B180857-BLK1	ND	ug/m3	5.0	0.40		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	B180857-BLK1	ND	ug/m3	5.0	0.91		1
1,4-Dioxane	B180857-BLK1	ND	ug/m3	2.0	0.33		1
Ethanol	B180857-BLK1	ND	ug/m3	2.0	0.42		1
Ethyl acetate	B180857-BLK1	ND	ug/m3	2.0	0.33		1
Ethylbenzene	B180857-BLK1	ND	ug/m3	5.0	0.32		1
1-Ethyl-4-methylbenzene	B180857-BLK1	ND	ug/m3	5.0	0.30		1

Pace Analytical
ENVIRONMENTAL SCIENCES

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals	Run #
QC Batch ID: B180857							
n-Heptane	B180857-BLK1	ND	ug/m3	2.0	0.34		1
Hexachlorobutadiene	B180857-BLK1	ND	ug/m3	10	1.5		1
Hexane	B180857-BLK1	ND	ug/m3	5.0	0.20		1
2-Hexanone	B180857-BLK1	ND	ug/m3	5.0	0.29		1
Isopropyl alcohol	B180857-BLK1	ND	ug/m3	2.0	0.32		1
Methylene chloride	B180857-BLK1	ND	ug/m3	10	0.40		1
Methyl ethyl ketone	B180857-BLK1	ND	ug/m3	2.0	0.19		1
Methyl isobutyl ketone	B180857-BLK1	ND	ug/m3	5.0	0.26		1
Methyl t-butyl ether	B180857-BLK1	ND	ug/m3	2.0	0.28		1
Propylene	B180857-BLK1	ND	ug/m3	2.0	0.25		1
Styrene	B180857-BLK1	ND	ug/m3	5.0	0.24		1
1,1,1,2-Tetrachloroethane	B180857-BLK1	ND	ug/m3	5.0	0.61		1
Tetrachloroethene	B180857-BLK1	ND	ug/m3	5.0	0.50		1
Tetrahydrofuran	B180857-BLK1	ND	ug/m3	2.0	0.27		1
Toluene	B180857-BLK1	ND	ug/m3	2.0	0.27		1
1,2,4-Trichlorobenzene	B180857-BLK1	ND	ug/m3	10	0.82		1
1,1,1-Trichloroethane	B180857-BLK1	ND	ug/m3	5.0	0.39		1
1,1,2-Trichloroethane	B180857-BLK1	ND	ug/m3	5.0	0.61		1
Trichloroethene	B180857-BLK1	ND	ug/m3	5.0	0.54		1
Trichlorofluoromethane	B180857-BLK1	ND	ug/m3	5.0	0.47		1
1,1,2-Trichloro-1,2,2-trifluoroethane	B180857-BLK1	ND	ug/m3	5.0	0.55		1
1,2,4-Trimethylbenzene	B180857-BLK1	ND	ug/m3	5.0	0.40		1
1,3,5-Trimethylbenzene	B180857-BLK1	ND	ug/m3	5.0	0.40		1
Vinyl acetate	B180857-BLK1	ND	ug/m3	2.0	0.33		1
Vinyl chloride	B180857-BLK1	ND	ug/m3	2.0	0.39		1
p- & m-Xylenes	B180857-BLK1	ND	ug/m3	5.0	0.61		1
o-Xylene	B180857-BLK1	ND	ug/m3	5.0	0.30		1
Total Xylenes	B180857-BLK1	ND	ug/m3	10	0.91		1
4-Bromofluorobenzene (Surrogate)	**B180857-BLK1**	**88.4**	%	**70 - 130 (LCL - UCL)**			1

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Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1

Giles Engineering Associates Inc.
N8 W22350 Johnson Dr. Ste. 1A
Waukesha, WI 53186

Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Method Blank Analysis

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1
1	B180857-BLK1	PB	EPA-TO-15	12/27/23	12/27/23 23:29	BEP	MS-A1	1

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Giles Engineering Associates Inc.
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Reported: 12/29/2023 17:30
Project: 2E-2311005 Tommy's
Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals	Run #
QC Batch ID: B180857											
Benzene	B180857-BS1	LCS	17.411	15.974	ug/m3	109		70 - 130			1
	B180857-BSD1	LCSD	17.603	15.974	ug/m3	110	1.1	70 - 130	30		2
Ethylbenzene	B180857-BS1	LCS	23.795	21.711	ug/m3	110		70 - 130			1
	B180857-BSD1	LCSD	23.882	21.711	ug/m3	110	0.4	70 - 130	30		2
Tetrachloroethene	B180857-BS1	LCS	35.812	33.913	ug/m3	106		70 - 130			1
	B180857-BSD1	LCSD	35.337	33.913	ug/m3	104	1.3	70 - 130	30		2
Toluene	B180857-BS1	LCS	19.709	18.842	ug/m3	105		70 - 130			1
	B180857-BSD1	LCSD	19.860	18.842	ug/m3	105	0.8	70 - 130	30		2
Trichloroethene	B180857-BS1	LCS	28.750	26.869	ug/m3	107		70 - 130			1
	B180857-BSD1	LCSD	28.750	26.869	ug/m3	107	0	70 - 130	30		2
Trichlorofluoromethane	B180857-BS1	LCS	29.552	28.092	ug/m3	105		70 - 130			1
	B180857-BSD1	LCSD	29.777	28.092	ug/m3	106	0.8	70 - 130	30		2
1,1,2-Trichloro-1,2,2-trifluoroethane	B180857-BS1	LCS	40.924	38.318	ug/m3	107		70 - 130			1
	B180857-BSD1	LCSD	40.847	38.318	ug/m3	107	0.2	70 - 130	30		2
p- & m-Xylenes	B180857-BS1	LCS	46.895	43.421	ug/m3	108		70 - 130			1
	B180857-BSD1	LCSD	47.329	43.421	ug/m3	109	0.9	70 - 130	30		2
o-Xylene	B180857-BS1	LCS	23.534	21.711	ug/m3	108		70 - 130			1
	B180857-BSD1	LCSD	23.621	21.711	ug/m3	109	0.4	70 - 130	30		2
Total Xylenes	B180857-BS1	LCS	70.429	65.132	ug/m3	108		70 - 130			1
	B180857-BSD1	LCSD	70.950	65.132	ug/m3	109	0.7	70 - 130	30		2
4-Bromofluorobenzene (Surrogate)	B180857-BS1	LCS	73.6	71.6	ug/m3	103		70 - 130			1
	B180857-BSD1	LCSD	73.3	71.6	ug/m3	102	0.4	70 - 130			2

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Project Number: [none]
Project Manager: Michelle Peed

Volatile Organic Compounds by GC/MS (EPA Method TO-15 at STP)

Quality Control Report - Laboratory Control Sample

Run #	QC Sample ID	QC Type	Method	Prep Date	Run Date Time	Analyst	Instrument	Dilution
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
1	B180857-BS1	LCS	EPA-TO-15	12/27/23	12/27/23 22:23	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1
2	B180857-BSD1	LCSD	EPA-TO-15	12/27/23	12/27/23 22:53	BEP	MS-A1	1

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected
PQL	Practical Quantitation Limit
A01	Detection and quantitation limits are raised due to sample dilution.
V01	The Initial Calibration Verification (ICV) recovery is not within established control limits.

Geotechnical, Environmental & Construction Materials Consultants

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