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17975 West Sarah Lane  
Suite 100  
Brookfield, WI 53045  
T: 262.754.2560  
F: 262.923.7758  
www.gza.com

June 11, 2021  
File No. 20.0156038.01

Mr. Adam McIlheran, Advanced Hydrogeologist  
Wisconsin Department of Natural Resources  
2300 North Dr. Martin Luther King, Jr. Drive  
Milwaukee, Wisconsin 53212-3128

Subject: Supplemental Information for Site Investigation Report  
Clare Central  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin  
BRRTS #02-41-549867 / FID #341148720

Dear Mr. McIlheran:

On behalf of Telos, Inc. (Telos) and as a follow-up to our telephone discussion on May 27, 2021, GZA GeoEnvironmental, Inc. (GZA) is pleased to provide the Wisconsin Department of Natural Resources (WDNR) with the following supplemental information to the previously submitted *Site Investigation Report (SIR)*<sup>1</sup> for the properties located at 1003 and 1033 West Atkinson Avenue in the City of Milwaukee, Wisconsin (“1003 Building,” “1033 Building,” or collectively, the “Site”). The SIR was submitted to the WDNR on March 29, 2021, and an electronic request for supplemental information was received from the WDNR on May 21, 2021. Your request included administrative updates to figures and tables and additional information on the June 2020 soil borings advanced and sampled by GZA, as well as the August 2019 vapor sampling event.

This letter and the attachments provide a response to the request for administrative updates and the requested additional information. Also, as discussed in our most recent telephone conversation, we have provided additional information on the proposed treatment of trichloroethene (TCE)-affected soils to remove most of the source for vapor intrusion for the buildings and select residential dwellings. Pending your approval, the remediation activities are tentatively scheduled to begin in July or August 2021. Please find the WDNR’s comments in *italics* and GZA’s response following each request.

#### WDNR COMMENTS AND GZA’S RESPONSE TO COMMENTS

1. *“In the Data Transmittal, Terracon's rationale for not completing additional investigation of soil contamination north/northeast of the site is satisfactory; however, the extent of soil contamination illustrated on the soil isoconcentration maps should be extrapolated further into the right-of-way. The contour lines on the soil isoconcentration maps where the extent is extrapolated should be dashed. Lines by P-17 and P-35 were dashed but not moved further into the ROW of Atkinson. Revised line locations should be shown on applicable figures.”*

<sup>1</sup> *Site Investigation Report, Clare Central, 1003 and 1033 West Atkinson Avenue, Milwaukee, Wisconsin, BRRTS #02-41-549867 / FID #341148720, dated March 29, 2021, GZA File No. 20.0156038.01.*



GZA's Response

The soil concentration figures were revised to extend the isoconcentrations into the right-of-way (ROW) for West Atkinson Avenue at the locations of P-17 and P-35. The revised figures are attached.

2. *"Please include on the appropriate soil isoconcentration maps the depths of soil samples from borings that demonstrate 'no detect', so it is evident that the extent of soil contamination is shown on the maps. This still needs to be done, especially since the extent varies at different depths and intersection with migration pathways a concern."*

GZA's Response

The soil concentration figures have been revised to show the "non detect" contour for volatile organic compounds (VOCs). The revised figures are attached.

3. *"As requested in the DNR's December 14, 2016 letter, clarify whether the storm sewer in the east/west alley immediately south of 1033 W. Atkinson Avenue exists further east of the catch basin noted on the maps. Also determine if there is a storm sewer in the north/south alley between the residences and the 1003 W. Atkinson Avenue apartment building. SIR did not specifically state if the alley combined sewer exists east of the catch basin. Did not discuss if there is a sewer or other utilities in the north/south alley adjacent to site."*

GZA's Response

Review of the City of Milwaukee sewer utility maps did not show any combined sewer lines traversing north/south in the alley between the residential properties and the 1003 Building. The sewer line does not extend east of the catch basin within the southern alley.

4. *"Water, telecommunication and electric utilities that provide service to the Clare Central Apartments are illustrated on the site maps. Please show where the gas and sewer lines enter the Clare Central Apartments' property. Also illustrate any utilities present in Atkinson Avenue. Still need to show on figures where gas and sanitary sewer laterals enter the two buildings onsite. If the comm & elec. utilities west of 1003 terminate to above-ground poles, indicate that on figures. Still need to show utilities in West Atkinson Avenue, at least west of centerline."*

GZA's Response

The Site figures have been updated to show the utilities and connections and are attached. Additionally, two power poles are located in front of the 1003 Building and 1033 Building along West Atkinson Avenue where the electric and communication utilities connect to become overhead utilities and run parallel to West Atkinson Avenue. These utilities connect to the apartment buildings from the north side of each building from the power poles where they enter the buildings from underground. Additionally, there is a communication utility located in the alley between the residential properties and 1003 Building, which runs north/south and daylight to a power pole near the garage of 3603 North 10<sup>th</sup> Street.

5. *"Discuss whether the utilities serve as migration pathways for contaminants. Stated in SIR that clean soil sample from P-26 appears to show migration has not occurred along the utility. However, also stated that the communications utility in the alley may be a potential vapor migration pathway. Need to discuss/assess vapor migration risk within the combined sewer or laterals, to be able to determine if any planned remedial actions are necessary and appropriate to address this risk. State what you believe is the migration pathway of TCE to the 3618 property (such as sewer lateral, foundation drains, migration through the subsurface soils or groundwater, etc.)."*

GZA's Response

The water, gas, and sewer utilities service the residential dwelling located at 3618 North 11<sup>th</sup> Street from North 11<sup>th</sup> Street and enter the residence from 11<sup>th</sup> Street. The electric and communication utilities are overhead utilities



that traverse overhead along the north/south alley and enter the residence via a power pole located near the garage of 3618 North 11<sup>th</sup> Street. Migration of TCE via subsurface soils has been documented at the residence, therefore, the residence has a sub-slab vapor mitigation system in place that was installed in 2014, due to detected vapor concentrations of TCE above the vapor risk screening levels (VRSLs). However, multiple efforts to contact the property owner via door hangers and in-person attempts to request access to conduct maintenance work on the vapor mitigation system have not been successful, as no return communications have been received by GZA from the property owner. Additionally, using the Milwaukee County GIS database, the ownership information of the most recent owner was used several times to mail requests for access.

The water utilities enter the 1003 Building from North 10<sup>th</sup> Street and the 1033 Building has water entering from West Atkinson Avenue. Both sewer and gas enter the buildings from West Atkinson Avenue. Electric enters the building from underground from power poles located in front of each building on West Atkinson Avenue. Communication utilities enter the buildings from the north from the power pole located in front of the 1033 Building on West Atkinson Avenue. Additionally, a communications line, which has been marked on the ground during Site activities, but is not shown on the utility maps, is located in the north/south alley between the residences and the 1003 Building and connects to a power pole near the garage of 3603 North 10<sup>th</sup> Street.

The communication utilities located within the alley are located at a depth of 2 feet below ground surface (bgs), which would traverse through TCE-affected soils. During the proposed Site remedial efforts, this utility will need to have on-Site protection from the utility provider to allow for the removal of the TCE-affected soils. Additionally, the proposed remedial efforts will incorporate passive subsurface venting to promote vapor migration to the atmosphere and not into the buildings. Vapor migration from groundwater is not occurring along this utility due to the limited partitioning of TCE from soils to groundwater, likely due to the presence of natural organic carbon, and the utility is not located within saturated soils.

The Site figures have been updated to reflect the utilities and are attached.

6. *“As part of the evaluation to determine if utilities serve or have served as migration pathways, check records to locate utilities that were present at the time the former manufacturing facility existed. These utilities may have acted as migration pathways at the time the contaminants were released at the site. This was not completed or discussed.”*

#### GZA’s Response

Information on the former Globe Wire Manufacturing building was not available from multiple sources, including the City of Milwaukee Public Records, Milwaukee Public Library - Wisconsin Architectural Archive, or Department of City Development (DCD).

- *“June 2020 soil sampling: It was stated in the SIR that 15 shallow soil borings, GZA GP-1 through 15) were performed and soil samples collected. Boring locations or soil analytical data were not included on any submitted figures or tables, no laboratory reports submitted, and no discussion of the data included in the SIR. It appears this information should be submitted as part of the SIR.”*

#### GZA’s Response

The summary of the Site work conducted in June 2020, was presented in the SIR on Pages 16 through 18. The Site figures have been updated to show the June 2020 soil borings and the laboratory data are presented in Attachment 1. A summary of the information presented in the SIR regarding the June 2020 soil boring activities is presented below.

On June 15, 2020, GZA conducted a limited direct contact assessment of the soils within the alley south of the 1003 and 1033 Buildings. Fifteen soil borings were advanced to a depth of 4 feet bgs to confirm data gaps on the



surficial soil data from the previously collected data and also to confirm the extent and degree of TCE and daughter products within the direct contact interval (the soil borings were not advanced beyond the depth of the direct contact interval because this interval represents the focus of the proposed soil remedy). The soil borings were advanced utilizing a direct-push rig operated by On-Site Environmental Services (OES). Each boring location had soil collected continuously from the ground surface to the terminus of the borings using 2-inch diameter by 4-foot long, stainless-steel sampling tubes lined with disposable acetate liners. The soil samples were collected for visual observation and soil classification, field-screened for VOC vapor emissions using a photoionization detector (PID) equipped with a 10.6 eV lamp, and collected for laboratory analyses. This information was recorded on boring logs and field data sheets. The soil samples selected for laboratory analyses were placed into laboratory-supplied containers, placed on ice in an insulated cooler, and submitted to Pace Analytical® Services (Pace) under chain-of-custody control for the analyses of VOCs by United States Environmental Protection Agency (USEPA) Method 8260. The locations of borings GZA-GP-1 through GZA-GP-15 are presented on Figure 2.

- Select VOCs were detected within soil samples collected at the Site at concentrations exceeding the soil to groundwater residual contaminant levels (RCLs). TCE and vinyl chloride (VC) concentrations in soil exceeding the direct contact RCLs were detected in borings located south of the 1003 and 1033 Buildings and within the alley. The highest concentrations of TCE were found in the alley behind the 1003 and 1033 Buildings in borings P-4, P-5, SGP-1, SGP-5, GZA-GP-6, GZA-GP-7, GZA-GP-12, and GZA-GP-14.
- VC concentrations within the direct contact interval were reported in P-1, P-3, GZA-GP-7, and GZA-GP-10, which are located in the alley to the adjacent west of the 1003 Building.
- The chlorinated VOC (cVOC) concentrations detected within soil samples collected from shallower depths (0 to 4 feet bgs) appear to be of lesser degree than cVOCs detected within soil samples collected at greater depths, near the groundwater interface. Given the soil quality and results collected to date, the suspected source areas appear to be in the areas of monitoring well MW-4 and soil borings TCN-GP-2 and GZA-GP-7. These locations, within the alley and parking areas, are near what appears to be the back areas of the former wire manufacturer.
- *“Deed does not appear to have been submitted for the site or included in a PHI. Submit a copy of the current deed, or clarify if the city still owns the alley strip (tax key is not on current county GIS) and if both alleys are still city ROW or have been vacated.”*

GZA’s Response

The 2006 survey map is provided in Attachment 2. The alleys are listed as ‘Public Alley’ and have not been vacated by the City of Milwaukee. Additionally, GZA and Telos have been in discussions on the proposed remedial action for the Site and the alley with the City of Milwaukee.

- *“The approved SIWP of 2018 stated quarterly indoor air sampling was to be performed, however it appears only one round was collected, in August 2019. Explain why the work plan was not followed and only one round collected.”*

GZA’s Response

GZA’s proposal to Telos for Site investigation activities was approved in July 2019, which included one round of vapor sampling. However, the ongoing pandemic did not allow for in-person access of apartment spaces per the request of the occupants. GZA will conduct additional quarterly vapor sampling prior to the proposed remedial action in summer of 2021.

- *“Naphthalene was above the VAL in many 2019 indoor air samples including the sample from the outside porch. What is believed to be the source? An offsite source the day of sampling? Were naphthalene producing materials observed*



*throughout the buildings or is this indicative of vapor/air migration throughout the building? No outdoor upwind sample appears to have been collected. Since this is a VPLE site and has indoor air issues, it must be clear which detected indoor air compounds are attributed to historical activities at the property and which are attributed to other sources, if practical.”*

GZA’s Response

Naphthalene was not reported in the soil or groundwater samples collected from the Site above laboratory detection limits, with the exception of a groundwater sample collected by Terracon from temporary well TC-GP-2. The naphthalene result in this groundwater sample is likely attributed to sediment entrained within the sample. The naphthalene detected in the porch sample (BA-1) from the 1033 Building is attributable to the parking lot and alley, which is located directly beneath and south of the porch. Due to the high building occupancy and traffic patterns in the area, automobile exhaust that occurred during the 24-hour sample was likely detected in the air samples. Regarding the indoor air samples with reported naphthalene, the samples collected from the 1033 Building had the highest concentrations, which are likely due to open windows or window unit air conditioners that face the parking area and alley, and are also the result of vehicle emissions.

No outdoor upwind samples were collected due to the transient nature of the neighborhood.

- *“Was the residence to the south 3603 N 10th St ever assessed for vapor risk? It is 65' from P-11. If not, state rationale.”*

GZA’s Response

The residence located at 3603 North 10<sup>th</sup> Street was not evaluated for vapor risk. No utilities that enter the building are located within the TCE-affected soils. The extent of cVOCs within soils to a depth of 12 feet was identified and did not extend onto the 3603 North 11<sup>th</sup> Street parcel, based on the non-detect concentration reported in soil boring P-13. Additionally, groundwater samples collected from monitoring wells MW-1 and MW-8, which are located upgradient of the source area, did not have any reported concentration of VOCs. The residence is not located over or in contact with groundwater with reported TCE concentrations, the documented lithology of stiff, dense clay with silt at the Site does not readily allow for partitioning of VOCs from the adsorbed and the dissolved phases, and no lenses of sand were identified that would provide preferential vapor migration in the boring near the 3603 North 10<sup>th</sup> Street residence.

- *“B-B' Cross-Section should show the alley catch basin near P-24, per the map, and should somehow show the utility pipe from the catch basin to the street at the correct depth.”*

GZA’s Response

Figure 4, Geologic Cross-Section B-B', has been updated and is attached.

- *“Indoor Air sampling figures should show which samples had concentrations of compounds with VAL exceedances for the latest rounds.”*

GZA’s Response

Figures 11 and 12 have been updated to show the sample label and concentrations of vapor action level (VAL) exceedances and are attached.

- *“Figure 10: similar to the soil figures, the groundwater figure should show concentrations of the contaminants of concern for the latest round of data for each location sampled, so the accuracy of the iso-contours can be determined.”*



#### GZA's Response

Figure 10 shows the results of TCE for the latest groundwater sampling event that occurred in August 2019, and is attached. Monitoring well MW-1 was not sampled, as a car was parked over the well.

- “Table 7: clarify on the table which samples were collected at which residence.”

#### GZA's Response

Table 7 has been updated and is attached.

### **PROPOSED REMEDIAL ALTERNATIVE**

During our discussion on May 27, 2021 regarding the above listed items for the SIR, discussion was also held regarding the proposed remedial plan to address vapor intrusion by removal of the TCE-affected soils within the direct contact interval at the Site. The remedial option that GZA recommends, as presented in the *Remedial Action Options Report (RAOR)*<sup>2</sup> submitted to the WDNR on May 19, 2021, is to remove and treat on-Site using the variance in NR 670.070, the accessible TCE-affected soils within the direct contact zone of 0 to 4 feet bgs that exceed the ‘Contained-Out’ value of 8.8 milligrams per kilogram (mg/kg). Soils within the direct contact area that have concentrations of TCE below the 8.8 mg/kg value will be excavated and directly transported off-Site for disposal at a Resource Conservation and Recovery Act (RCRA) Subtitle D landfill. The soils that have TCE concentration exceeding the 8.8 mg/kg value within the upper 4 feet will be treated on-Site, within the excavation, utilizing soil tilling and use of mechanical blowers, if necessary, to aerate the soils. Confirmation samples will be collected weekly from the soil treatment area to monitor the TCE concentrations. Once the ‘Contained-Out’ value is attained, the confirmed treated soils will be excavated to a depth of 5 feet to ensure the treated soils are removed and transported off-Site for disposal at the RCRA Subtitle D landfill. Further, prior to the start of remediation activities, representative soil samples within the proposed excavation will be collected and analyzed for the toxicity characteristic leaching procedure (TCLP) analyses for TCE to again confirm the soils do not represent a characteristic hazardous waste in accordance with NR 661.

To enhance vapor removal and prevent vapor intrusion following the completion of the soil excavation activities, and to confirm protection of the 1003 and 1033 Buildings and the residence located at 3614 North 11<sup>th</sup> Street, the soil excavation will be backfilled with open-graded stone. A series of 4-inch, slotted PVC piping will be placed into the excavation to allow for the vapors to enter the piping and traverse the pipe manifold to riser piping located near the two apartment buildings. The risers will be situated in a location of each building away from windows and doors, and will extend to an elevation above the roof of the buildings. The piping system will function as a passive vapor mitigation system to address the vapors from residual chlorinated hydrocarbons remaining below the direct contact interval. Additionally, each of the elevator shafts in the 1003 and 1033 Buildings will be sealed to prevent vapor migration within the shafts and buildings during elevator use. To monitor performance of the vapor mitigation options, quarterly vapor sampling will be conducted within the 1003 and 1033 Buildings, as well as the residence located at 3614 North 11<sup>th</sup> Street.

Based on the established groundwater conditions at the Site, cVOCs are not partitioning from the soils into groundwater. Only one monitoring well, MW-4, has had reported concentrations of TCE in exceedance of the NR 140 Enforcement Standard (ES). VC above the ES was also reported in monitoring wells MW-2 and MW-4. No other wells within the NR 141 monitoring well network reported cVOCs above the NR 140 standards. Following the soil excavation activities, monitoring well MW-4 will be replaced or saved, if feasible, so that groundwater monitoring can continue on the existing well network on a quarterly basis. The monitoring will collect groundwater samples for cVOCs, as well as natural attenuation parameters.

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<sup>2</sup> *Remedial Action Options Report, Clare Central, 1003 and 1033 West Atkinson Avenue, Milwaukee, Wisconsin, BRRTS #02-41-549867 / FID #341148720*, dated May 19, 2021, GZA File No. 20.0156038.02.



Thank you again for the opportunity discuss the SIR and the RAOR. We understand that you will be discussing the RAOR with the WDNR peer group in late June. Should you have any questions regarding the supplemental information for the SIR, please feel free to contact the undersigned at (262) 754-2594.

Very truly yours,

**GZA GeoEnvironmental, Inc.**

A handwritten signature in blue ink that reads 'Heidi A. Woelfel'.

Heidi A. Woelfel  
Project Manager

A handwritten signature in blue ink that reads 'James F. Drought'.

James F. Drought, P.H.  
Principal Hydrogeologist

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FINAL 20.0156038.01 Supplmntl Info for SI Rpt\_Clare Central 6-10-21\_JFD\_061121.docx

Attachments: Tables  
Figures  
Attachment 1 - Laboratory Analytical Report  
Attachment 2 - Survey Map

cc: Ms. Elaine Wenig, Telos, Inc.  
Mr. Don Gallo, Axley Brynelson, LLP



## TABLES



**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	TCN-GP-1	TCN-GP-2	TCN-GP-3	TCN-GP-4	TCN-GP-5	TCN-GP-6	P-1			P-2		
Sample Date						7/20/2006	7/20/2006	7/21/2006	7/21/2006	7/21/2006	7/21/2006	10/18/2010			10/18/2010		
Sample Depth (Feet)						6	10	6	2	10	6	3	8	12	3	8	12
Collected By						Terracon	Terracon	Terracon	Terracon	Terracon	Terracon	Terracon			Terracon		
PID	IU	NS	NS	NS	NS	< 1.0	1,182.0	0.0	5.0	32.0	0.0	10.0	2,640	7.0	4.0	73.0	14.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	S	U	U	S
<b>DRO</b> Diesel Range Organics	mg/kg	NS	NS	NS	NS	< 10	< 10	< 10	< 10	< 10	< 10	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																	
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	0.0992	0.0594
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.05	0.0817	0.229
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.05	<b>0.035</b>	0.0654
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	0.044	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	0.0391
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	<b>1.95</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.0264	< 2.11	< 0.0264	< 0.0264	< 0.0264	< 0.0264
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	0.029	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.0721</b>	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	<b>2.97</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	<b>180</b>	< 0.025	< 0.025	<b>0.68</b>	< 0.025	<b>0.064</b>	<b>264</b>	<b>0.0787</b>	<b>0.462</b>	<b>3.4</b>	<b>3.53</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.216</b>	< 2	< 0.025	< 0.025	<b>0.0804</b>	<b>0.211</b>
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	<b>6.1</b>	< 0.025	< 0.025	<b>0.64</b>	< 0.025	0.0346	<b>6.78</b>	< 0.025	0.419	<b>1.14</b>	<b>1.64</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 2	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.119</b>	< 0.025	< 0.025	0.047	< 0.025	<b>0.105</b>	< 2	< 0.025	< 0.025	<b>0.128</b>	<b>0.212</b>
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.05	<b>4.21</b>	< 0.05	< 0.05	< 0.05	< 0.05	0.1559	< 6	< 0.075	< 0.075	< 0.075	< 0.075
<b>Metals</b>																	
Arsenic	mg/kg	0.584	0.613	3	8	4.5	5	<b>5.5</b>	<b>5.9</b>	<b>4.7</b>	<b>10</b>	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	38	31	25	81.0	37	26	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	16.0	14	14	35.0	15	14	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	6.6	8	7.1	10	7.6	14	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																	
Aroclor 1016	mg/kg	NS	4.11	28	NS	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	< 0.0072	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	< 0.0049	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	< 0.0056	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028	< 0.0028	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	NA	NA	NA	NA	NA	NA

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-3			P-4			P-5			P-6	P-7	P-8	
						3	9	11	4	9	12	3	6	11	10	10	4	8
Sample Date						10/18/2010			10/18/2010			10/18/2010			10/19/2010	10/19/2010	10/19/2010	
Sample Depth (Feet)						3	9	11	4	9	12	3	6	11	10	10	4	8
Collected By						Terracon			Terracon			Terracon			Terracon	Terracon	Terracon	
PID	IU	NS	NS	NS	NS	12.0	90.0	35.0	10.0	24.0	9.0	3.0	10.0	9.0	33.0	< 1.0	13.0	35.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U
<b>DRO</b>																		
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																		
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.125	0.0963	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	0.133	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.125	<b>0.0413</b>	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	1.46	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.0264	< 0.132	< 0.0264	< 0.066	< 0.264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.211	< 0.0264	< 0.106	< 0.0264
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	0.67	0.0495
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	<b>25.5</b>	<b>0.185</b>	<b>4.85</b>	<b>45</b>	<b>0.0655</b>	<b>4.85</b>	<b>2.29</b>	< 0.025	<b>53.5</b>	< 0.025	< 0.1	<b>3.15</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	<b>0.199</b>	<b>0.357</b>	<b>0.369</b>	< 0.0625	< 0.25	<b>0.314</b>	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	<b>0.0463</b>
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	<b>0.126</b>	<b>6.24</b>	<b>3.24</b>	<b>0.925</b>	<b>10.5</b>	< 0.025	< 0.025	<b>0.0682</b>	< 0.025	<b>0.804</b>	< 0.025	< 0.1	<b>3.08</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	0.328	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.125	< 0.025	< 0.0625	< 0.25	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.851</b>	<b>0.313</b>	< 0.0625	<b>1.71</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.2	< 0.025	< 0.1	<b>0.131</b>
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.425	< 0.075	< 0.1875	< 0.75	< 0.075	< 0.075	< 0.075	< 0.075	< 0.6	< 0.075	<b>25.13</b>	< 0.075
<b>Metals</b>																		
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																		
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-9	P-10	P-11	P-12	P-13	P-14	P-15		P-16	P-17	P-18	P-19	P-20	
Sample Date						10/19/2010	10/19/2010	10/19/2010	10/19/2010	10/19/2010	10/20/2010	10/20/2010		10/20/2010	10/20/2010	10/20/2010	10/20/2010	10/20/2010	
Sample Depth (Feet)						8	8	6	6	10	8	1	6	10	6	10	8	2	8
Collected By						Terracon	Terracon	Terracon	Terracon	Terracon	Terracon	Terracon		Terracon	Terracon	Terracon	Terracon	Terracon	
PID	IU	NS	NS	NS	NS	302	9.0	346	14.0	15.0	28.0	30.0	44.0	9.0	8.0	47.0	172.0	< 1.0	4.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	<b>4.61</b>	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 1.25	< 0.025	< 0.5	0.0522	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 1.32	< 0.0264	< 0.528	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.132	< 1.32	< 0.0264	< 0.0264
Isopropylbenzene	mg/kg	NS	268	268	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Styrene	mg/kg	0.22	867	867	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 1.25	< 0.025	< 0.5	<b>0.0622</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	<b>141</b>	<b>0.595</b>	<b>74.8</b>	< 0.025	< 0.025	<b>0.233</b>	<b>0.057</b>	<b>3.92</b>	< 0.025	<b>0.119</b>	<b>37.9</b>	<b>109</b>	<b>0.0958</b>	<b>0.635</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.358</b>	< 1.25	< 0.025	< 0.025
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 1.25	<b>0.0729</b>	<b>0.807</b>	< 0.025	< 0.025	<b>1.18</b>	< 0.025	< 0.025	< 0.025	< 0.025	<b>8.51</b>	<b>3.18</b>	< 0.025	<b>0.134</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	0.419	< 0.025	< 0.025	< 0.025	< 0.125	< 1.25	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 1.25	< 0.025	< 0.5	< 0.025	< 0.025	<b>0.293</b>	< 0.025	< 0.025	< 0.025	< 0.025	<b>1.73</b>	< 1.25	< 0.025	< 0.025
Xylenes (total)	mg/kg	3.96	260	260	NS	< 3.75	< 0.075	< 1.5	0.1607	< 0.075	< 0.1099	< 0.075	< 0.0924	< 0.075	< 0.075	< 0.375	< 3.75	< 0.075	< 0.075
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-21		P-22		P-23	P-24	P-25		P-26	P-27		P-28		
Sample Date						10/21/2010		10/21/2010		10/21/2010	10/21/2010	10/21/2010		10/21/2010	10/21/2010		6/23/2016		
Sample Depth (Feet)						2	10	4	11	10	10	2	10	10	2	10	1	7	
Collected By						Terracon		Terracon		Terracon	Terracon	Terracon		Terracon	Terracon		Terracon		
PID	IU	NS	NS	NS	NS	4.0	12.0	3.0	41.0	9.0	346.0	7.0	8.0	5.0	2.0	8.0	14.0	13.0	
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	S	NR	NR	
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.26</b>	< 0.025	< 0.025	
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.225	< 0.025	< 0.0535	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.528	< 0.0264	< 0.0264	< 0.0264	< 0.0264	< 0.0264	NR	NR	
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.04	< 0.04	
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	<b>0.89</b>	<b>2.42</b>	< 0.025	< 0.025	<b>0.767</b>	<b>34.8</b>	<b>0.0606</b>	<b>0.203</b>	< 0.025	< 0.025	<b>1.41</b>	< 0.025	< 0.025	
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	<b>0.351</b>	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	<b>0.885</b>	< 0.025	<b>10.9</b>	0.0335	<b>12.5</b>	< 0.025	<b>0.0456</b>	< 0.025	< 0.025	<b>0.289</b>	< 0.025	< 0.025	
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.5	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.0712</b>	< 0.025	<b>0.595</b>	< 0.225	<b>1.78</b>	< 0.025	< 0.025	< 0.025	< 0.025	0.0289	< 0.025	< 0.025	
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 1.5	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-29		P-30		P-31		P-33		P-34		P-35		
						6/23/2016 1   5 Terracon	6/23/2016 1   12 Terracon	6/23/2016 1   15 Terracon	6/23/2016 1   9 Terracon	6/23/2016 3   9 Terracon	6/23/2016 1   7   11 Terracon							
Sample Date																		
Sample Depth (Feet)																		
Collected By																		
PID	IU	NS	NS	NS	NS	16.0	14.0	15.0	14.0	19.0	13.0	13.0	12.0	10.0	16.0	14.0	13.0	14.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
<b>DRO</b>																		
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																		
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.44</b>	< 0.025	0.046	< 0.025	< 0.025	<b>1.43</b>
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0313	< 0.025	0.211	0.0536
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0593	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.209</b>	<b>0.0541</b>	<b>0.0366</b>	<b>0.122</b>	<b>0.0518</b>	<b>0.0678</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Xylenes (total)	mg/kg	3.96	260	260	NS	0.0641	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
<b>Metals</b>																		
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																		
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	P-36		P-37	P-38		P-39		P-40		SSB-1	SSB-2		SSB-3	
Sample Date						6/23/2016		6/23/2016	6/23/2016		6/23/2016		6/23/2016		12/11/2014	5/1/2015		5/1/2015	
Sample Depth (Feet)						1	13	1	1	13	1	11	3	9	2-4	2-4	5-7	5-7	5-7 DUP
Collected By						Terracon		Terracon	Terracon		Terracon		Terracon		Sigma	Sigma		Sigma	
PID	IU	NS	NS	NS	NS	13.0	15.0	12.0	6.0	10.0	10.0	12.0	11.0	11.0	0.1	1.5	1.2	3.6	3.6
Saturated/Unsaturated	S/U	NS	NS	NS	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	U	U	U	U	U
<b>DRO</b> Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	0.0336	0.0412	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.045 J	< 0.04	< 0.04	0.093 J	0.072 J
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.019	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.021	< 0.029	< 0.029	< 0.029	< 0.029
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.026	< 0.078	< 0.078	< 0.078	< 0.078
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.026	< 0.089	< 0.089	< 0.089	< 0.089
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.019	< 0.03	< 0.03	< 0.03	< 0.03
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.0092	< 0.016	< 0.016	< 0.016	< 0.016
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.01	< 0.027	< 0.027	< 0.027	< 0.027
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	< 0.095	< 0.11	< 0.11	< 0.11	< 0.11
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.037	< 0.037	< 0.037	< 0.037
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.46	< 0.087	< 0.087	< 0.087	< 0.087
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.049	< 0.054	< 0.054	< 0.054	< 0.054
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.02	< 0.031	< 0.031	< 0.031	< 0.031
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.025	<b>0.898</b>	< 0.025	< 0.025	< 0.025	0.0333	< 0.025	<b>0.925</b>	<b>0.0858</b>	<b>0.127</b>	< 0.042	< 0.042	<b>10</b>	<b>7.8</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.021	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.025	0.359	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.024	< 0.021	< 0.021	< 0.021	< 0.021
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.024	< 0.035	< 0.035	< 0.035	< 0.035
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.031	< 0.056	< 0.056	< 0.056	< 0.056
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.025	<b>0.0782</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.029	< 0.024	< 0.024	< 0.024	< 0.024
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.075	< 0.075	0.1076	< 0.075	0.077	< 0.075	< 0.075	< 0.075	< 0.099	< 0.036	< 1.036	< 2.036	< 3.036
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

Sample Date	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	SSB-4	SSB-5	SGP-1		SGP-2	SGP-3	SPG-4	SGP-5				SGP-6		
						5/1/2015 2-3 Sigma	5/1/2015 5-7 Sigma	5/14/2015 2-4   6-8 Sigma		5/14/2015 8-10 Sigma	5/14/2015 6-8 Sigma	5/14/2015 1-3 Sigma	5/14/2015 1-3   4-5   5-7   8-10 Sigma				12/11/2014 2-4   5-7   8-10 Sigma		
PID	IU	NS	NS	NS	NS	0.8	0.2	0.0	6.3	0.0	9.5	0.0	0.1	17.4	138.9	26.0	0.8	29.0	43.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	U	U	U	U	S	S	U	U	U	S	S	U	U	U
<b>DRO</b> Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.04	< 0.04	< 0.038	0.085 J	< 0.038	0.129	< 0.038	< 0.038	< 0.038	<b>0.271</b>	<b>0.37</b>	< 0.038	< 0.038	< 0.038
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.033	< 0.033	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	0.034 J	0.048 J	< 0.019	< 0.019	< 0.019
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.029	< 0.029	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	<b>0.0306 J</b>	<b>0.0276 J</b>	< 0.021	< 0.021	< 0.021
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.078	< 0.078	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.089	< 0.089	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.03	< 0.03	< 0.019	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.038	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.016	< 0.016	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.027	< 0.027	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.11	< 0.11	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.037	< 0.037	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.087	< 0.087	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114	< 0.114
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.054	< 0.054	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049
Toluene	mg/kg	1.1072	818	818	NS	< 0.031	< 0.031	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.042	< 0.042	<b>6</b>	<b>4.7</b>	<b>0.32</b>	<b>10.2</b>	< 0.028	<b>0.34</b>	<b>12.8</b>	<b>87.7</b>	<b>110</b>	<b>0.4</b>	<b>9.9</b>	<b>71</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.01	< 0.01	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.021	< 0.021	< 0.024	<b>0.103</b>	< 0.024	<b>0.82</b>	< 0.024	< 0.024	<b>0.042 J</b>	<b>0.48</b>	<b>0.83</b>	< 0.024	<b>0.119</b>	<b>0.68</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.035	< 0.035	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.056	< 0.056	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.024	< 0.024	< 0.029	< 0.029	< 0.029	<b>0.066 J</b>	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029
Xylenes (total)	mg/kg	3.96	260	260	NS	< 4.036	< 5.036	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

Sample Date	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	SGP-7			SGP-8		SGP-9		SGP-10				SGP-11		
						12/11/2014 2-4	12/11/2014 5-7 Sigma	12/11/2014 8-10	12/11/2014 2-4	12/11/2014 8-10	12/12/2014 2-4	12/12/2014 6-8	12/12/2014 2-4	12/12/2014 4-6	12/12/2014 4-6 DUP	12/12/2014 7-9	1/9/2015 2-4	1/9/2015 6-8	1/9/2015 8-10
<b>Sample Date</b>																			
<b>Sample Depth (Feet)</b>																			
<b>Collected By</b>																			
<b>PID</b>	IU	NS	NS	NS	NS	0.1	4.3	0.6	0.0	0.0	0.3	0.2	0.8	2.4	2.4	1.2	NR	NR	NR
<b>Saturated/Unsaturated</b>	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	NR	NR	NR
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.038	< 0.04	< 0.04	< 0.04
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.023	< 0.033	< 0.033	< 0.033
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.019	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.029	< 0.029	< 0.029
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.078	< 0.078	< 0.078
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.026	< 0.089	< 0.089	< 0.089
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.03	< 0.03	< 0.03
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.0092	< 0.016	< 0.016	< 0.016
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.027	< 0.027	< 0.027
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.095	< 0.11	< 0.11	< 0.11
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.037	< 0.037	< 0.037
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.087	< 0.087	< 0.087
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.049	< 0.054	< 0.054	< 0.054
Toluene	mg/kg	1.1072	818	818	NS	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.031	< 0.031	< 0.031
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.028	<b>2.37</b>	<b>1.42</b>	< 0.028	<b>0.047 J</b>	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.028	< 0.042	< 0.042	< 0.042
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.021	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.024	0.0252 J	0.039 J	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.021	< 0.021	< 0.021
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	< 0.035	< 0.035	< 0.035
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.056	< 0.056	< 0.056
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	< 0.024	< 0.024	< 0.024
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.099	< 0.036	< 0.036	< 0.036
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	SGP-12		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8		MW-9	
						1/9/2015 2-4   8-10 Sigma	3/11/2011 6 Terracon	3/11/2011 7 Terracon	3/11/2011 6 Terracon	3/11/2011 7 Terracon	3/11/2011 7 Terracon	6/2/2011 7 Terracon	6/2/2011 7 Terracon	1/9/2015 2-4   6-8 Sigma	1/9/2015 2-4   8-10 Sigma			
<b>Sample Date</b>																		
<b>Sample Depth (Feet)</b>																		
<b>Collected By</b>																		
<b>PID</b>	IU	NS	NS	NS	NS	NR	NR	< 1.0	< 1.0	2.0	620.0	< 1.0	< 1.0	< 1.0	0.1	0.1	0.8	0.8
<b>Saturated/Unsaturated</b>	S/U	NS	NS	NS	NS	NR	NR	U	U	U	U	U	U	U	U	U	U	U
<b>DRO</b>																		
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																		
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.04	< 0.04	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.04	< 0.04	< 0.04	< 0.04
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.033	< 0.033	< 0.04	< 0.04	< 0.04	< 2	< 0.041	< 0.028	< 0.028	< 0.033	< 0.033	< 0.033	< 0.033
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.029	< 0.029	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.029	< 0.029	< 0.029	< 0.029
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.078	< 0.078	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.078	< 0.078	< 0.078	< 0.078
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.089	< 0.089	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.089	< 0.089	< 0.089	< 0.089
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.03	< 0.03	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.03	< 0.03	< 0.03	< 0.03
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.016	< 0.016	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.016	< 0.016	< 0.016	< 0.016
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.027	< 0.027	< 0.029	< 0.029	< 0.028	2.6	< 0.029	< 0.028	< 0.028	< 0.027	< 0.027	< 0.027	< 0.027
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.11	< 0.11	< 0.04	< 0.04	< 0.04	< 0.2	< 0.041	< 0.028	< 0.028	< 0.11	< 0.11	< 0.11	< 0.11
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.037	< 0.037	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.037	< 0.037	< 0.037	< 0.037
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.087	< 0.087	< 0.058	< 0.057	< 0.057	< 2.9	< 0.058	< 0.057	< 0.055	< 0.087	< 0.087	< 0.087	< 0.087
Styrene	mg/kg	0.22	867	867	NS	NA	NA	< 0.058	< 0.057	< 0.057	4.9	< 0.058	< 0.055	< 0.055	NA	NA	NA	NA
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.054	< 0.054	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.054	< 0.054	< 0.054	< 0.054
Toluene	mg/kg	1.1072	818	818	NS	< 0.031	< 0.031	< 0.029	< 0.029	< 0.028	9.7	< 0.029	< 0.028	< 0.028	< 0.031	< 0.031	< 0.031	< 0.031
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.042	< 0.042	< 0.029	< 0.029	< 0.028	350	< 0.029	< 0.028	< 0.028	< 0.042	< 0.042	< 0.042	< 0.042
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.01	< 0.01	< 0.04	< 0.04	< 0.04	< 2	< 0.041	< 0.028	< 0.028	< 0.01	< 0.01	< 0.01	< 0.01
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.021	< 0.021	< 0.029	< 0.029	< 0.028	8.4	< 0.029	< 0.028	< 0.028	< 0.021	< 0.021	< 0.021	< 0.021
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.035	< 0.035	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.035	< 0.035	< 0.035	< 0.035
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.056	< 0.056	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.056	< 0.056	< 0.056	< 0.056
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.024	< 0.024	< 0.029	< 0.029	< 0.028	< 1.4	< 0.029	< 0.028	< 0.028	< 0.024	< 0.024	< 0.024	< 0.024
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.036	< 0.036	< 0.098	< 0.097	< 0.097	27	< 0.099	< 0.085	< 0.083	< 0.036	< 0.036	< 0.036	< 0.036
<b>Metals</b>																		
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																		
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1  
SOIL ANALYTICAL RESULTS  
1003 and 1033 West Atkinson Avenue  
Milwaukee, Wisconsin

Sample Date	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	MW-10				PZ-1			GZA-GP-1	GZA-GP-2	GZA-GP-3	GZA-GP-4	GZA-GP-5	GZA-GP-6	GZA-GP-7
						2-4	6-8	8-10	8-10 DUP	2-4	7-9	23-25	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020
Sample Depth (Feet)						1/9/2010				4/30/2015			2-3'	3-4'	2-3'	1-2'	2-3'	1-2'	3-4'
Collected By						Sigma				Sigma			GZA	GZA	GZA	GZA	GZA	GZA	GZA
PID	IU	NS	NS	NS	NS	NR	NR	NR	NR	7.0	167.0	1.1	2.5	7.3	26.8	2.5	3.8	3.7	4.0
Saturated/Unsaturated	S/U	NS	NS	NS	NS	NR	NR	NR	NR	U	U	S	U	U	U	U	U	U	U
<b>DRO</b>																			
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>																			
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.029	< 0.029	< 0.029	< 0.029	< 0.029	<b>0.069 J</b>	< 0.029	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	<b>0.147</b>
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.078	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.795
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.089	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.016	< 0.025	<b>0.0378 J</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.027	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.467
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.037	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	1.13
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.087	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273
Styrene	mg/kg	0.22	867	867	NS	NA	NA	NA	NA	NA	NA	NA	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.054	< 0.0387	< 0.0387	< 0.0387	< 0.0387	< 0.0387	< 0.0387	< 0.0387
Toluene	mg/kg	1.1072	818	818	NS	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.031	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	< 0.042	< 0.042	< 0.042	< 0.042	< 0.042	<b>53</b>	< 0.042	<b>0.27</b>	< 0.025	< 10.4	.0476 J	< 0.025	<b>3.43</b>	<b>26.3</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	<b>0.279</b>	< 0.01	< 0.025	<b>0.0907</b>	< 0.297	< 0.025	< 0.025	< 0.025	<b>0.194</b>
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	< 0.021	< 0.021	< 0.021	< 0.021	0.207	3.7	< 0.021	<b>0.0478 J</b>	<b>0.272</b>	< 14.2	< 0.0795	< 0.025	<b>0.797</b>	<b>4.79</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	NA	NA	NA	NA	NA	NA	NA	< 0.03	0.0533 J	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.035	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0777
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.056	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	0.0715 J
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	< 0.024	< 0.024	< 0.024	< 0.024	< 0.024	<b>0.223</b>	< 0.024	< 0.025	< 0.025	0.3	< 0.025	< 0.025	<b>0.155</b>	<b>0.304</b>
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.036	< 0.075	< 0.05	< 0.75	< 0.075	< 0.075	< 0.075	0.0599 J
<b>Metals</b>																			
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>																			
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

**TABLE 1**  
**SOIL ANALYTICAL RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units <sup>(2)</sup>	Soil to Groundwater Pathway RCL <sup>(6)</sup>	Non-Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Industrial Direct Contact Pathway RCL <sup>(6)</sup>	Background Threshold Value	GZA-GP-8	GZA-GP-9	GZA-GP-10	GZA-GP-11	GZA-GP-12	GZA-GP-13	GZA-GP-14	GZA-GP-15
<b>Sample Date</b>						6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020	6/15/2020
<b>Sample Depth (Feet)</b>						3-4'	3-4'	0-1'	1-2'	3-4'	3-4'	1-2'	1-2'
<b>Collected By</b>						GZA	GZA	GZA	GZA	GZA	GZA	GZA	GZA
<b>PID</b>	IU	NS	NS	NS	NS	4.1	1.7	3.7	5.5	3.1	2.6	3.2	3.3
<b>Saturated/Unsaturated</b>	S/U	NS	NS	NS	NS	U	U	U	U	U	U	U	U
<b>DRO</b>													
Diesel Range Organics	mg/kg	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
<b>VOCs</b>													
1,1,1-Trichloroethane	mg/kg	0.1402	640	640	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1,2-Trichloroethane	mg/kg	0.0032	1.59	7.01	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethane	mg/kg	0.4834	5.06	22.2	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,1-Dichloroethene	mg/kg	0.0050	320	1,190	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2,4-Trimethylbenzene	mg/kg	1.3787	219	219	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,3,5-Trimethylbenzene	mg/kg		182	182	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
1,2-Dichloroethane	mg/kg	0.0028	0.652	2.87	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Benzene	mg/kg	0.0051	1.6	7.07	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Ethylbenzene	mg/kg	1.57	8.02	35.4	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Hexachlorobutadiene	mg/kg	NS	1.63	7.19	NS	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687	< 0.0687
Isopropylbenzene	mg/kg	NS	268	268	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Naphthalene	mg/kg	0.6582	5.52	24.1	NS	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273	< 0.0273
Styrene	mg/kg	0.22	867	867	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
Tetrachloroethene (PCE)	mg/kg	0.0045	33	145	NS	< 0.025	< 0.0387	< 0.0387	< 0.025	<b>0.0705 J</b>	< 0.0387	< 0.0387	< 0.0387
Toluene	mg/kg	1.1072	818	818	NS	< 0.025	< 0.025	< 0.025	< 0.0387	< 0.025	< 0.025	< 0.025	0.0411 J
Trichloroethene (TCE)	mg/kg	0.0036	1.3	8.41	NS	<b>1.07</b>	<b>0.102</b>	< 1.59	< 0.025	<b>5.67</b>	< 0.254	<b>5.91</b>	<b>0.13</b>
Vinyl Chloride	mg/kg	0.0001	0.067	2.08	NS	< 0.025	< 0.025	<b>0.0808</b>	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
cis-1,2-Dichloroethene	mg/kg	0.0412	156	2,340	NS	<b>0.551</b>	< 0.025	<b>1.54</b>	<b>3.04</b>	< 0.025	< 0.025	<b>0.501</b>	<b>0.221</b>
n-Butylbenzene	mg/kg	NS	108	108	NS	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
n-Propylbenzene	mg/kg	NS	NS	NS	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
p-Isopropyltoluene	mg/kg	NS	162	162	NS	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
trans-1,2-Dichloroethene	mg/kg	0.0626	1,560	1,850	NS	0.0289 J	< 0.025	<b>0.194</b>	<b>0.337</b>	< 0.025	< 0.025	<b>0.0848</b>	< 0.025
Xylenes (total)	mg/kg	3.96	260	260	NS	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075	< 0.075
<b>Metals</b>													
Arsenic	mg/kg	0.584	0.613	3	8	NA	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	164.8	153,000	100,000	364	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	360,000	NS	NS	44	NA	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	27	400	800	52	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b>													
Aroclor 1016	mg/kg	NS	4.11	28	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221	mg/kg	NS	0.213	0.883	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232	mg/kg	NS	0.19	1	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242	mg/kg	NS	0.235	0.972	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248	mg/kg	NS	0.236	0.975	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254	mg/kg	NS	0.239	0.988	NS	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260	mg/kg	NS	0.243	1	NS	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (total)	mg/kg	NS	0.234	0.967	NS	NA	NA	NA	NA	NA	NA	NA	NA

**Notes:**

- Soil samples were collected by Terracon Consultants, Inc. and are indicated by 'Terracon.' Soil samples collected by The Sigma Group are indicated by 'Sigma.' Soil samples were analyzed by Pace Analytical of Green Bay, Wisconsin, Synergy Environmental Lab, Inc. of Appleton, Wisconsin, and TestAmerica of Watertown, Wisconsin. The sample collection depths are recorded as feet below ground surface (bgs).
- Results are provided in instrument units (IU) or milligrams per kilogram (mg/kg).
- Residual Contaminant Levels (RCLs) were obtained from the RCL spreadsheet (updated December 2018) available on the following Wisconsin Department of Natural Resources (WDNR) website: <https://dnr.wi.gov/topic/Brownfields/soil.html>. The spreadsheet was prepared by WDNR staff using the United States Environmental Protection Agency's (USEPA's) Regional Screening Level (RSL) Web-Calculator.
- NS = No RCL was provided in the WDNR RCL spreadsheet for the parameter.
- NA = Sample not analyzed for that parameter.
- NR = Analyte not reported for the sample or information was not provided by consulting firm.
- Only compounds detected in at least one soil sample during analyses are presented.
- Italicized** concentrations indicate an exceedance of the Soil to Groundwater Pathway RCL. Concentrations in **red font** indicate an exceedance of the Non-Industrial Direct Contact RCL. The direct contact RCLs are applicable to samples collected at depths 0 to 4 feet below ground surface.
- "<" or "ND" indicates the parameter was detected in the sample at a concentration below the method detection limit (MDL).
- J flagged results indicate that the analyte was detected between the MDL and the limit of detection/quantification. These results are considered an estimate.
- PID = Photoionization Detector.
- VOCs = Volatile Organic Compounds.
- PCBs = Polychlorinated Biphenyls.

**TABLE 7**  
**3604 AND 3614 NORTH 11TH STREET INDOOR AIR AND SUB-SLAB VAPOR RESULTS**  
**1003 and 1033 West Atkinson Avenue**  
**Milwaukee, Wisconsin**

	Units	Residential Indoor Air Vapor Limits	Residential Sub-Slab VRSL	AAS-1 (3614 N 11th Street)	AAS-2 (3604 N 11th Street)	AAS-3 (Outdoor Ambient)	SSV-1 (3614 N 11th Street)		SSV-2 (3604 N 11th Street)	
Sample Date				3/15/2016 to 3/16/2016	3/15/2016 to 3/16/2016	3/15/2016 to 3/16/2016	3/16/2016	5/18/2016	3/16/2016	5/18/2016
Sample Type				Ambient Air	Ambient Air	Ambient Air	Sub-Slab	Sub-Slab	Sub-Slab	Sub-Slab
Sample Depth				Surface	Surface	Surface	6 inches	6 inches	6 inches	6 inches
Sample Volume				6-Liter Summa Cannister	6-Liter Summa Cannister	6-Liter Summa Cannister	6-Liter Summa Cannister	6-Liter Summa Cannister	6-Liter Summa Cannister	6-Liter Summa Cannister
<b>Parameter</b>										
cis-1,2-Dichloroethene	µg/m <sup>3</sup>	NS	NS	<0.35	<0.38	<0.37	<0.38	<0.37	<0.37	<0.37
trans-1,2-Dichloroethene	µg/m <sup>3</sup>	NS	NS	0.72 J	<0.60	<0.57	<0.60	<0.57	<0.57	<0.57
Tetrachloroethene (PCE)	µg/m <sup>3</sup>	42	1,400	<0.4	<0.43	<0.41	<0.43	1.5	2.3	2.3
Trichloroethene (TCE)	µg/m <sup>3</sup>	2.1	70	<0.4	<0.43	<0.41	<0.43	<0.41	<0.41	<0.41
Vinyl Chloride	µg/m <sup>3</sup>	1.7	57	<0.28	<0.3	<0.29	<0.43	<0.29	<0.29	<0.29

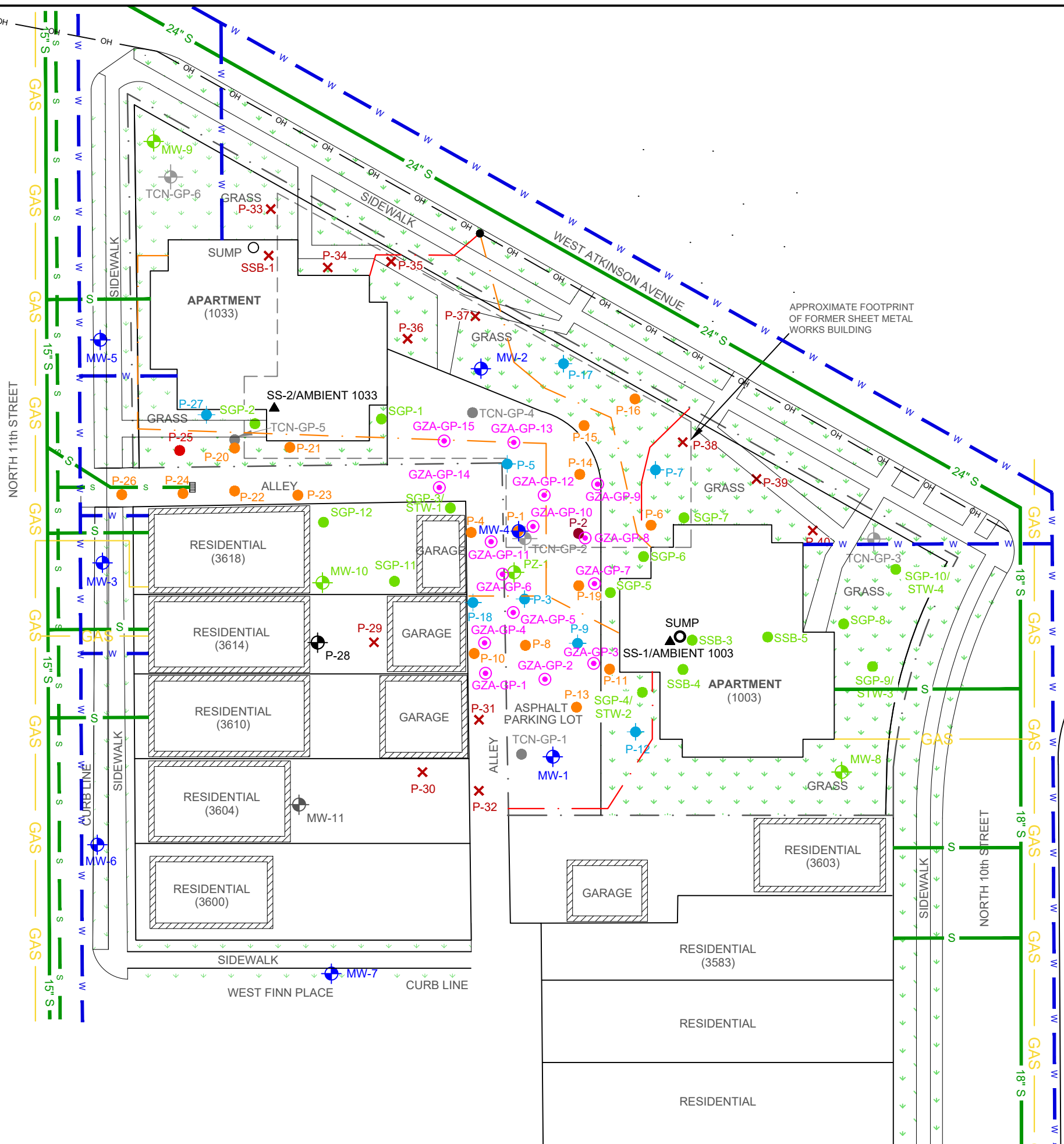
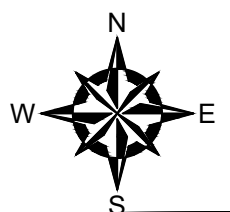
**Notes:**

1. Sub-slab and indoor air samples (dated March 15, 2016 to March 16, 2016) were collected by Sigma. Samples were analyzed by Pace Analytical Services, Inc. of Green Bay, Wisconsin for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.
2. The results above are provided in micrograms per cubic meter (µg/m<sup>3</sup>).
3. The Vapor Action Levels (VALs) were obtained from the "WI Vapor Quick Look Up Table for Indoor Air VALs and VRSLs" (based on November 2017 USEPA Regional Screening Levels (RSLs). The USEPA RSL tables (updated May 2019) were referenced if a compound was not listed on the Quick Look Up Table. The smaller of the two values listed was selected as the VAL and a hazard index (HI) of 1x10<sup>-6</sup> was applied for carcinogenic RSLs, which were compared to non-carcinogenic RSLs.
4. "NS" denotes that no standard (USEPA RSL) has been established for the analyte.
5. **Red bold** font indicates an exceedance of the residential/small commercial VRSL. **Underlined bold** font indicates an exceedance of the residential/small commercial VAL.



## FIGURES

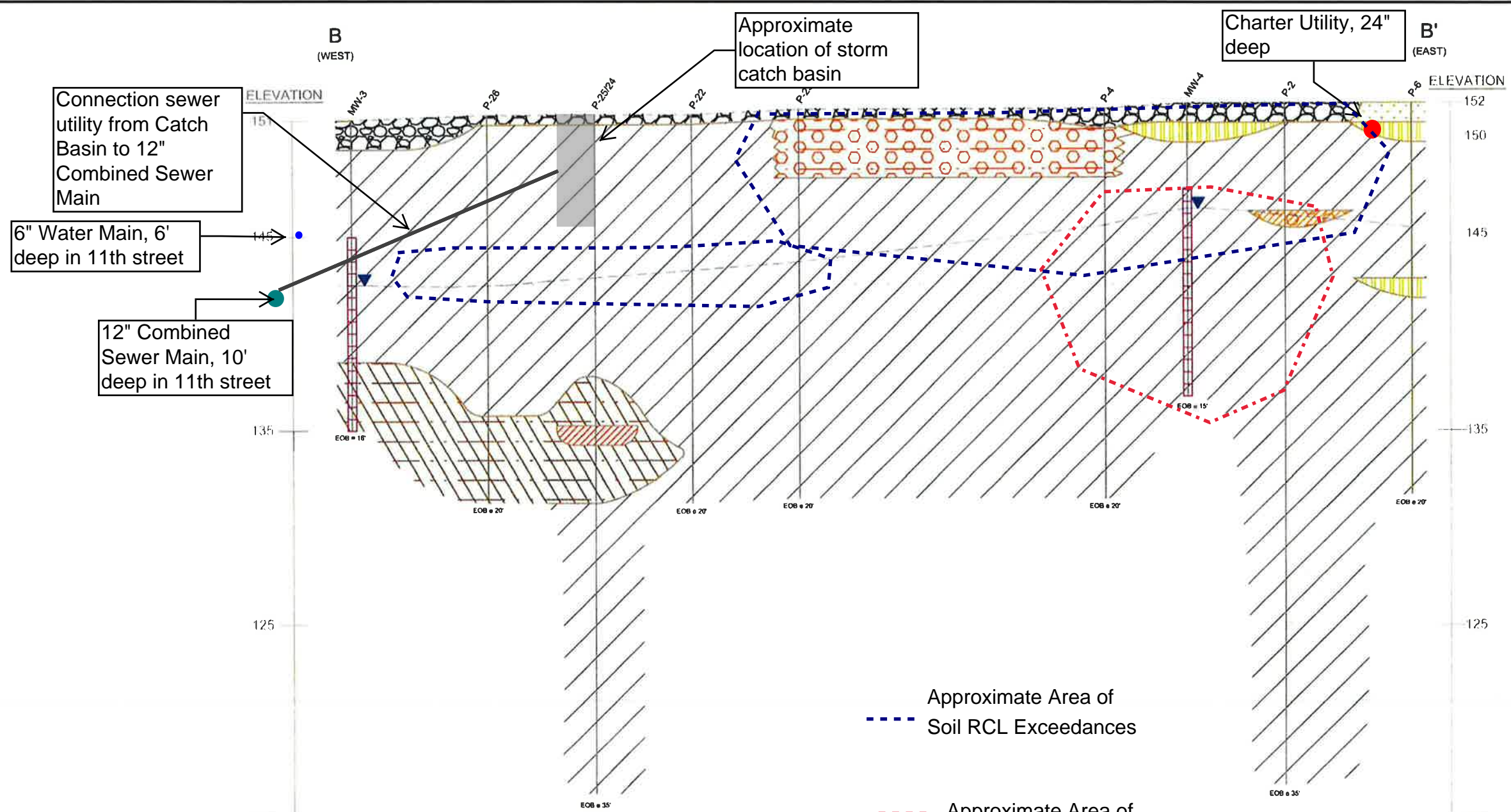
©2019 - GZA GeoEnvironmental, Inc. GZA-\\GZAWALKESHA\JOBS\15600010156999\156038 CLARE CENTRAL APTS\FIGURES\CAD\BASE MAP-KMH.DWG FIG 2 - SITE PLAN MAY 27, 2021 PAMELA REHBEIN



LEGEND	
	APPROXIMATE SITE BOUNDARY
	ELECTRIC (WE ENERGIES)
	COMMUNICATION (AT & T)
	GAS LINE
	WATER LINE
	SEWER LINE
	15" COMBINED SEWER LINE
	18" COMBINED SEWER LINE
	24" COMBINED SEWER LINE
	SOIL & GROUNDWATER PROBE LOCATION (TERRACON, AUGUST 16, 2006)
	SOIL PROBE LOCATION (TERRACON, AUGUST 16, 2006)
	GROUNDWATER MONITORING WELL LOCATION
	GEOPROBE BORING LOCATION (20 FEET BGS)
	GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
	GEOPROBE BORING LOCATION (35 FEET BGS)
	SUB SLAB VAPOR MONITORING POINT (FEBRUARY 11, 2011)
	SOIL BORING LOCATION (TERRACON, JUNE 23, 2016)
	GROUNDWATER TEMPORARY/ MONITORING WELL LOCATION (TERRACON, JUNE 23, 2016)
	GROUNDWATER MONITORING WELL/ PIEZOMETER LOCATION (SIGMA)
	GEOPROBE BORING LOCATION (SIGMA)
	2020 SOIL BORINGS INSTALLED BY GZA

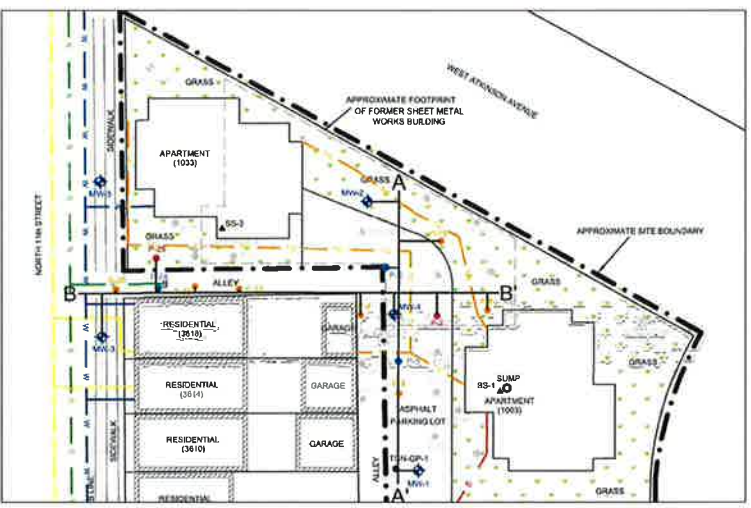
- NOTES**
1. BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  2. TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
  3. 'BGS' = BELOW GROUND SURFACE.

NO.	ISSUE/DESCRIPTION	BY	DATE
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<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN			
<b>SITE PLAN</b>			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW DESIGNED BY: MJS DATE: 5/27/2021	REVIEWED BY: JFD DRAWN BY: MJS PROJECT NO. 20.0156038.01	CHECKED BY: JULP SCALE: 1" = 40' REVISION NO.	FIG <b>2</b> SHEET NO. 2 OF 12



--- Approximate Area of Soil RCL Exceedances

--- Approximate Area of Groundwater ES Exceedances

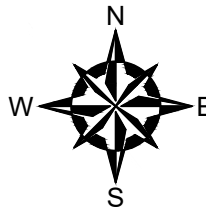


SOIL UNITS	
	FILL
	TOPSOIL
	SILTY CLAY
	SAND - FINE GRAIN
	SILT
	SANDY SILT
	SAND AND GRAVEL
	SILTY CLAY AND GRAVEL

LEGEND	
	ASPHALT / CONCRETE
	SOIL CONTACT LINE
	GROUNDWATER TABLE (BASED ON 6/24/11 DEPTH TO WATER DATA)
	STATIC GROUND WATER LEVEL (6/24/11)
	GROUND WATER MONITORING WELL SCREENED INTERVAL

- NOTES**
1. BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  2. GEOPROBE ELEVATIONS WERE NOT SURVEYED BY TERRACON.
  3. TERRACON BASED ELEVATIONS ON FIRE HYDRANT LOCATED ON NORTHEAST CORNER OF 11TH AND FINN STREETS (ELEVATION 152.6 FEET).
  4. TERRACON BASED SOIL STRATIGRAPHY CLASSIFICATION ON DRILLED LOCATIONS, AND INFERRED BETWEEN DRILLING LOCATIONS.
  5. TERRACON INFERRED CONTACT LINES, INTERPOLATION BETWEEN GROUNDWATER MONITORING WELL LOCATION.
  6. SEE FIGURE 5 IN SITE INVESTIGATION AND INTERIM ACTION REPORT DATED MARCH 1, 2013 FOR ORIGINAL SCALE AND VERTICAL EXAGGERATION.

NO.	ISSUE/DESCRIPTION	BY	DATE
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<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN			
<b>GEOLOGIC CROSS SECTION B-B'</b>			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW	REVIEWED BY: JFD	CHECKED BY: JLP	FIG
DESIGNED BY: MJS	DRAWN BY: MJS	SCALE: NOT TO SCALE	<b>4</b>
DATE: 9/23/2019	PROJECT NO. 20.0156038.01	REVISION NO.	
			SHEET NO. 4 OF 12



SSB-1	
DEPTH	2-4'
DATE	12/11/14
Cis	<24
trans	<29
PCE	---
TCE	<u>127</u>
VC	<21

SGP-1	
DEPTH	2-4'
DATE	5/14/14
Cis	<24
trans	<29
PCE	---
TCE	<b>6,000</b>
VC	<21

P-21	
DEPTH	2'
DATE	10/21/10
Cis	<25
trans	<25
PCE	<25
TCE	<u>890</u>
VC	<25

P-20	
DEPTH	2'
DATE	10/20/10
Cis	<25
trans	<25
PCE	<25
TCE	<u>95.8</u>
VC	<25

P-25	
DEPTH	2'
DATE	10/21/10
Cis	<25
trans	<25
PCE	<25
TCE	<u>60.6</u>
VC	<25

P-34	
DEPTH	3'
DATE	6/23/16
Cis	<25
trans	<25
PCE	<25
TCE	<u>54.1</u>
VC	<25

P-35	
DEPTH	1'
DATE	6/23/16
Cis	<25
trans	<25
PCE	<25
TCE	<u>122</u>
VC	<25

P-4	
DEPTH	4'
DATE	10/18/10
Cis	<u>925</u>
trans	<62.5
PCE	<62.5
TCE	<b>4,850</b>
VC	<62.5

P-5	
DEPTH	3'
DATE	10/18/10
Cis	<25
trans	<25
PCE	<25
TCE	<b>4,510</b>
VC	<25

P-15	
DEPTH	1'
DATE	10/20/10
Cis	<25
trans	<25
PCE	<25
TCE	<u>57</u>
VC	<25

P-1	
DEPTH	3'
DATE	10/18/10
Cis	<u>34.6</u>
trans	<u>105</u>
PCE	<u>72.1</u>
TCE	<u>64</u>
VC	<b>216</b>

P-2	
DEPTH	3'
DATE	10/18/10
Cis	<u>419</u>
trans	<25
PCE	<25
TCE	<b>462</b>
VC	<25

P-39	
DEPTH	1'
DATE	6/23/16
Cis	<25
trans	<25
PCE	<25
TCE	<u>33.3</u>
VC	<25

P-40	
DEPTH	3'
DATE	6/23/16
Cis	<25
trans	<25
PCE	<25
TCE	<u>925</u>
VC	<25

SGP-6	
DEPTH	2-4'
DATE	12/11/14
Cis	<24
trans	<29
PCE	---
TCE	<u>400</u>
VC	<21

SGP-5	
DEPTH	4-5'
DATE	5/14/14
Cis	<u>42</u>
trans	<29
PCE	---
TCE	<b>128,000</b>
VC	<21

P-3	
DEPTH	3'
DATE	10/18/2010
Cis	<u>126</u>
trans	<25.0
PCE	<25.0
TCE	<23.0
VC	<b>199</b>

**LEGEND**

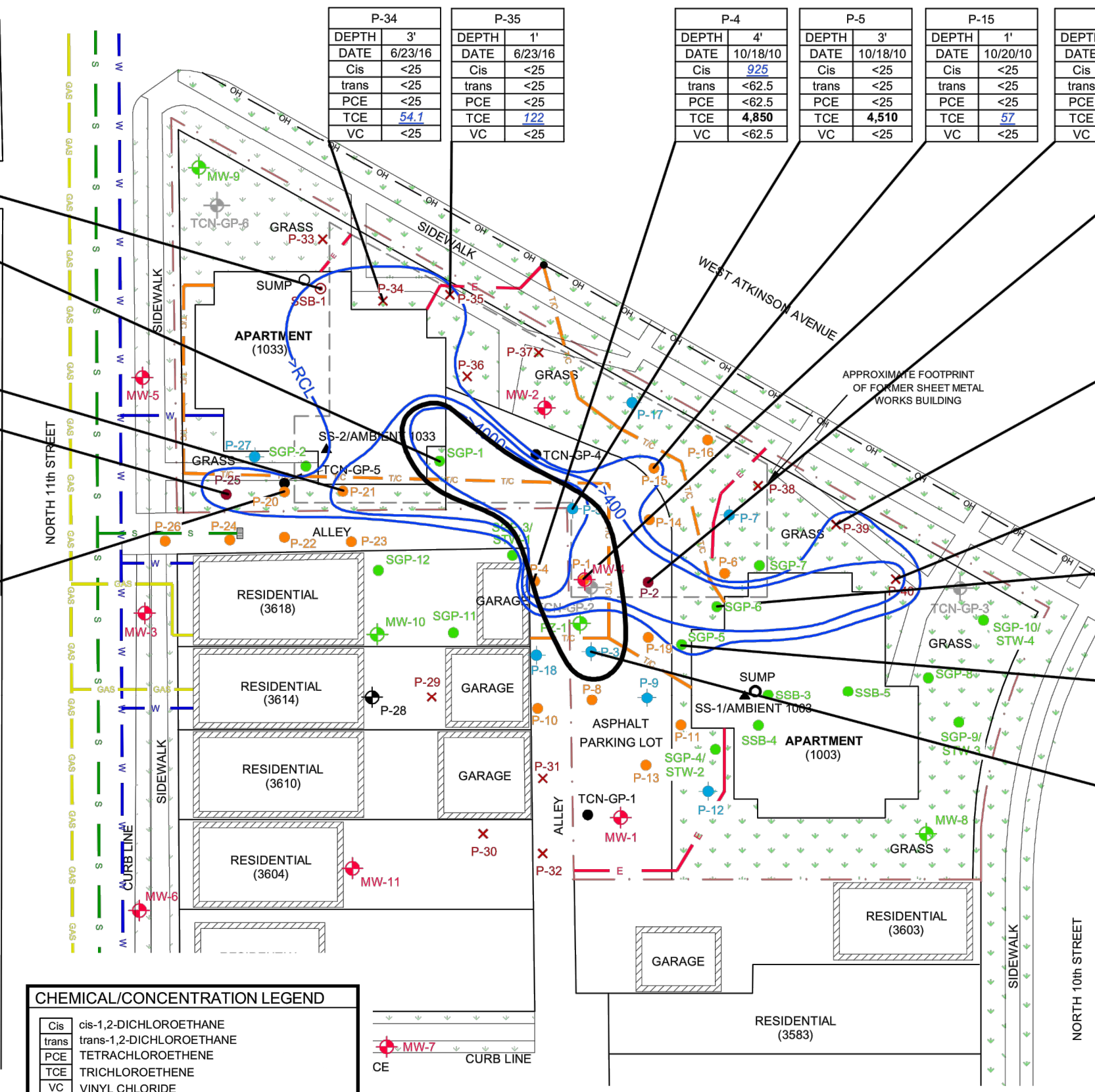
- SOIL & GROUNDWATER PROBE LOCATION (TERRACON LSI, AUGUST 16, 2006)
- SOIL PROBE LOCATION (TERRACON LSI, AUGUST 16, 2006)
- GROUNDWATER MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION (20 FEET BGS)
- GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
- GEOPROBE BORING LOCATION (35 FEET BGS)
- SUB SLAB VAPOR MONITORING POINT (2/11/11)
- ELECTRIC (WE ENERGIES)
- COMMUNICATION (AT & T)
- WATER LINE
- GAS LINE
- SEWER LINE
- OVERHEAD LINES
- STORM SEWER
- SOIL BORING LOCATION (TERRACON SI, JUNE 23, 2016)
- GROUNDWATER TEMPORARY WELL LOCATION (TERRACON SI, JUNE 23, 2016)
- GROUNDWATER MONITORING WELL LOCATION (TERRACON SI, JUNE 23, 2016)
- GROUNDWATER MONITORING WELL/PIEZOMETER LOCATION (SIGMA)
- GEOPROBE BORING LOCATION (SIGMA)
- APPROXIMATE SITE BOUNDARY

**CHEMICAL/CONCENTRATION LEGEND**

Cis	cis-1,2-DICHLOROETHANE
trans	trans-1,2-DICHLOROETHANE
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
VC	VINYL CHLORIDE

**BOLD/BLACK** = CONCENTRATIONS EXCEED NON-INDUSTRIAL DIRECT CONTACT RCL (DEC 2017)  
**ITALIC/BLUE/UNDERLINE** = CONCENTRATIONS EXCEED SOIL TO GROUNDWATER RCL (DEC 2017)  
 CONCENTRATIONS EXPRESSED IN MICROGRAMS PER KILOGRAM (ug/kg)

— ISOCOINTOUR LINES - TOTAL CVOCs  
 — ESTIMATED EXTENT OF NON-INDUSTRIAL, DIRECT CONTACT RCL EXCEEDANCE

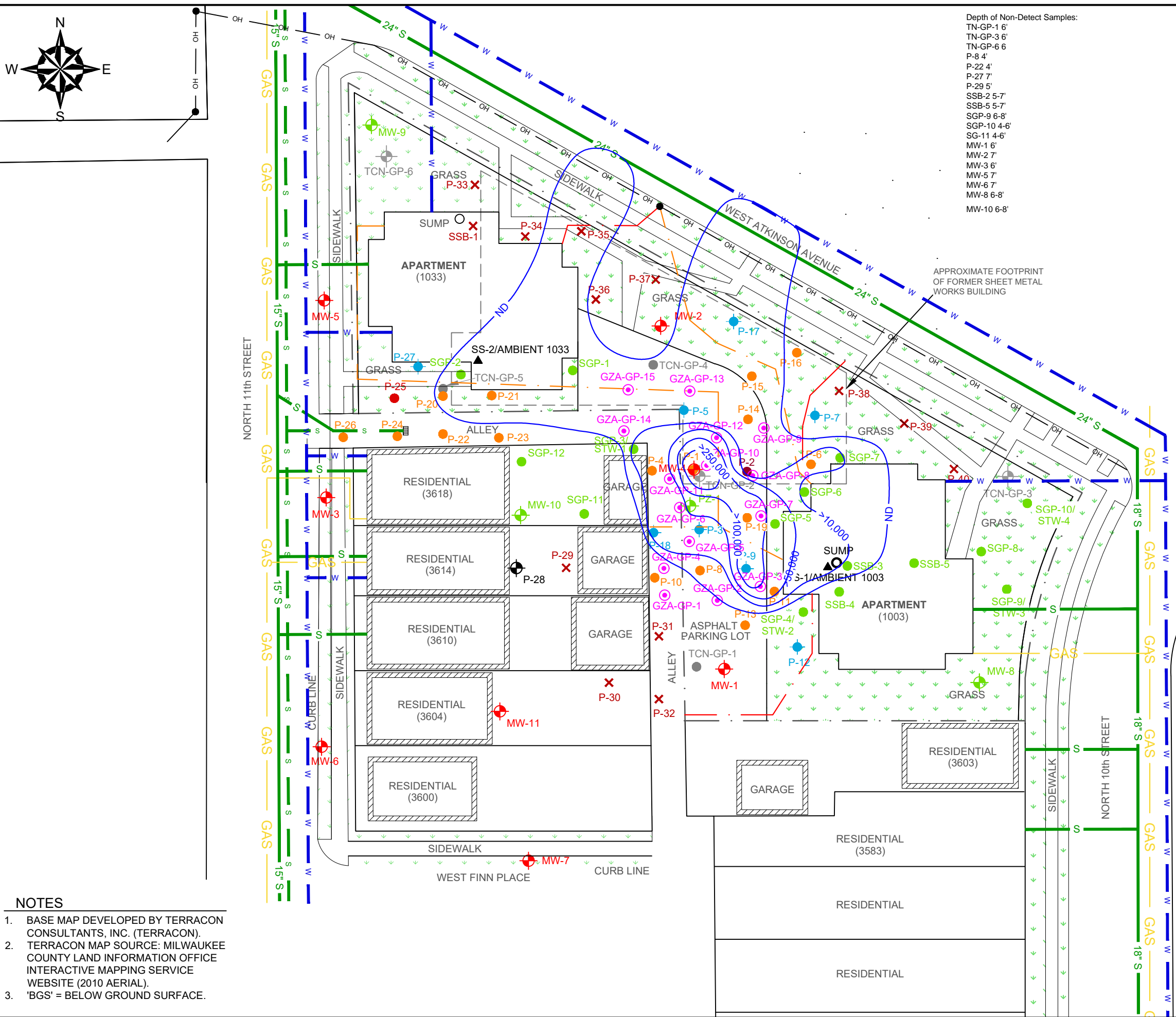


- NOTES**
- BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  - TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
  - 'CVOC' = CHLORINATED VOLATILE ORGANIC COMPOUNDS.
  - 'BGS' = BELOW GROUND SURFACE.

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<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN					
<b>CVOC SOIL ISOCONCENTRATION MAP</b> (0-4' BGS)					
PREPARED BY:		PREPARED FOR:			
GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		AXLEY BRYNELSON, LLP			
PROJ MGR:	HAW	REVIEWED BY:	JFD	CHECKED BY:	JJLP
DESIGNED BY:	MJS	DRAWN BY:	MJS	SCALE:	NOT TO SCALE
DATE:	9/23/2019	PROJECT NO.:	20.0156038.01	REVISION NO.:	
<b>5</b> SHEET NO. 9 OF 12					



©2019 - GZA GeoEnvironmental, Inc. GZA-J:\15600010156999\156038 CLARE CENTRAL APTS\FIGURES\CAD\BASE MAP-KMH.DWG CVOC SOIL ISO MAP 4-8 MAY 31, 2021 PAMELA REHBEIN



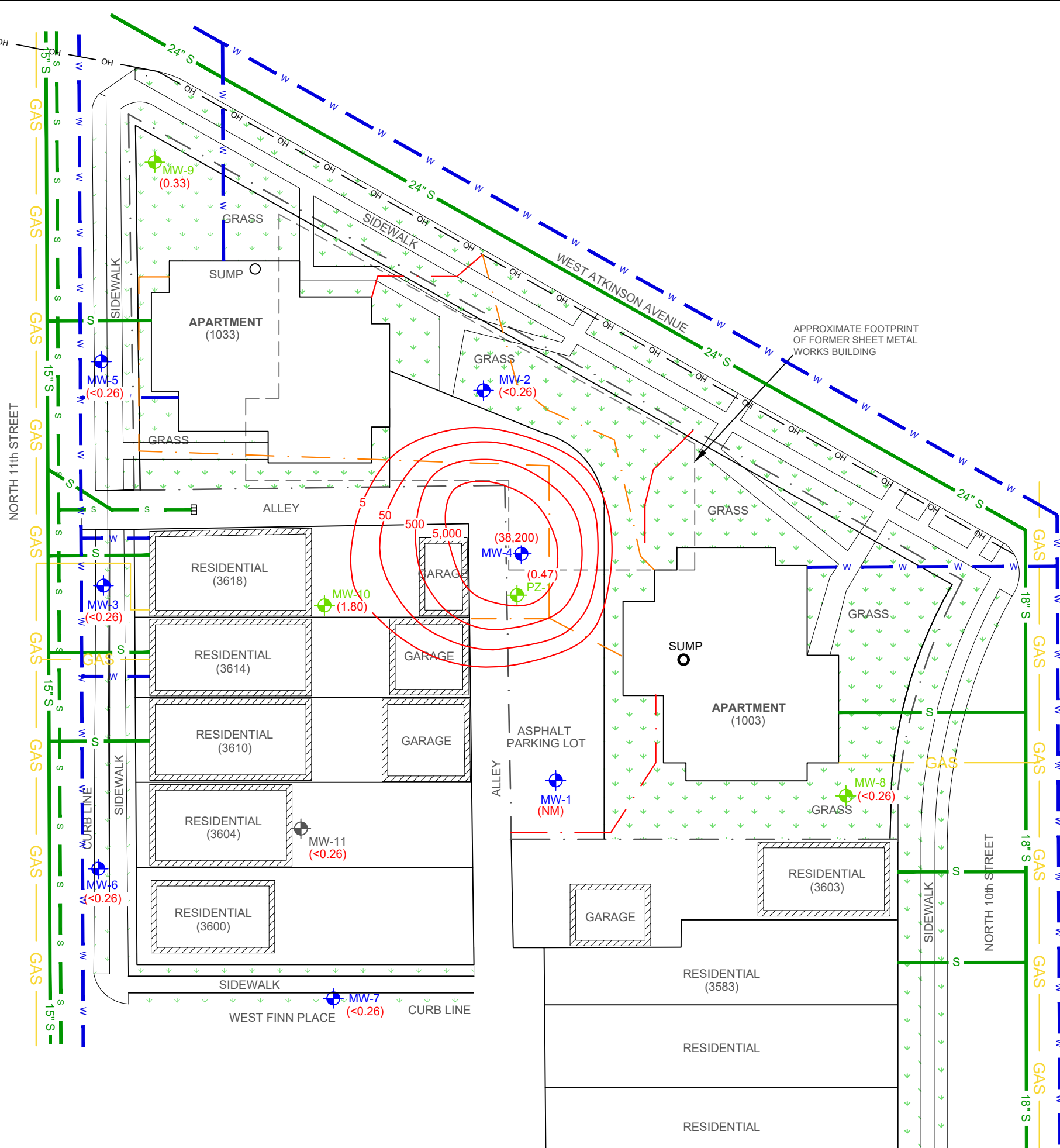
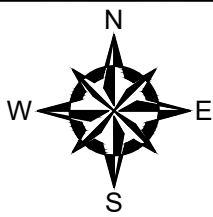
Depth of Non-Detect Samples:  
 TN-GP-1 6'  
 TN-GP-3 6'  
 TN-GP-6 6'  
 P-8 4'  
 P-22 4'  
 P-27 7'  
 P-29 5'  
 SSB-2 5-7'  
 SSB-5 5-7'  
 SGP-9 6-8'  
 SGP-10 4-6'  
 SG-11 4-6'  
 MW-1 6'  
 MW-2 7'  
 MW-3 6'  
 MW-5 7'  
 MW-6 7'  
 MW-8 6-8'  
 MW-10 6-8'

### LEGEND

- APPROXIMATE SITE BOUNDARY
- ELECTRIC (WE ENERGIES)
- COMMUNICATION (AT & T)
- GAS GAS LINE
- OH OH OVERHEAD LINES
- W WATER LINE
- S SEWER LINE
- 15" S 15" COMBINED SEWER LINE
- 18" S 18" COMBINED SEWER LINE
- 24" S 24" COMBINED SEWER LINE
- SOIL & GROUNDWATER PROBE LOCATION (TERRACON, AUGUST 16, 2006)
- SOIL PROBE LOCATION (TERRACON, AUGUST 16, 2006)
- GROUNDWATER MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION (20 FEET BGS)
- GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
- GEOPROBE BORING LOCATION (35 FEET BGS)
- SUB SLAB VAPOR MONITORING POINT (FEBRUARY 11, 2011)
- SOIL BORING LOCATION (TERRACON, JUNE 23, 2016)
- GROUNDWATER TEMPORARY/ MONITORING WELL LOCATION (TERRACON, JUNE 23, 2016)
- GROUNDWATER MONITORING WELL/ PIEZOMETER LOCATION (SIGMA)
- GEOPROBE BORING LOCATION (SIGMA)
- 2020 SOIL BORINGS INSTALLED BY GZA

- ### NOTES
- BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  - TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
  - 'BGS' = BELOW GROUND SURFACE.

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<p><b>CLARE CENTRAL</b>                  1003 AND 1033 WEST ATKINSON AVENUE                  MILWAUKEE, WISCONSIN</p>			
<p><b>CVOC SOIL ISOCONCENTRATION MAP</b>                  (4-8' BGS)</p>			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW	REVIEWED BY: JFD	CHECKED BY: JULP	FIG
DESIGNED BY: MJS	DRAWN BY: MJS	SCALE: 1" = 40'	<p><b>6</b></p>
DATE: 5/27/2021	PROJECT NO. 20.0156038.01	REVISION NO.	
			SHEET NO. 10 OF 12



**ISOCONCENTRATION LEGEND**

0.5 TRICHLOROETHYLENE (TCE) ISOCONCENTRATION CONTOUR, UG/L  
 NOTE: PZ-1 WAS NOT USED FOR ISOCONCENTRATION CONTOURS.

- LEGEND**
- APPROXIMATE SITE BOUNDARY
  - ELECTRIC (WE ENERGIES)
  - COMMUNICATION (AT & T)
  - GAS GAS LINE
  - OH OH OVERHEAD LINES
  - W WATER LINE
  - S SEWER LINE
  - 15" S 15" COMBINED SEWER LINE
  - 18" S 18" COMBINED SEWER LINE
  - 24" S 24" COMBINED SEWER LINE
  - SOIL & GROUNDWATER PROBE LOCATION (TERRACON, AUGUST 16, 2006)
  - SOIL PROBE LOCATION (TERRACON, AUGUST 16, 2006)
  - GROUNDWATER MONITORING WELL LOCATION
  - GEOPROBE BORING LOCATION (20 FEET BGS)
  - GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
  - GEOPROBE BORING LOCATION (35 FEET BGS)
  - SUB SLAB VAPOR MONITORING POINT (FEBRUARY 11, 2011)
  - SOIL BORING LOCATION (TERRACON, JUNE 23, 2016)
  - GROUNDWATER TEMPORARY/ MONITORING WELL LOCATION (TERRACON, JUNE 23, 2016)
  - GROUNDWATER MONITORING WELL/ PIEZOMETER LOCATION (SIGMA)
  - GEOPROBE BORING LOCATION (SIGMA)
  - 2020 SOIL BORINGS INSTALLED BY GZA

- NOTES**
- BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  - TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
  - 'TCE' = TRICHLOROETHYLENE
  - 'BGS' = BELOW GROUND SURFACE.

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

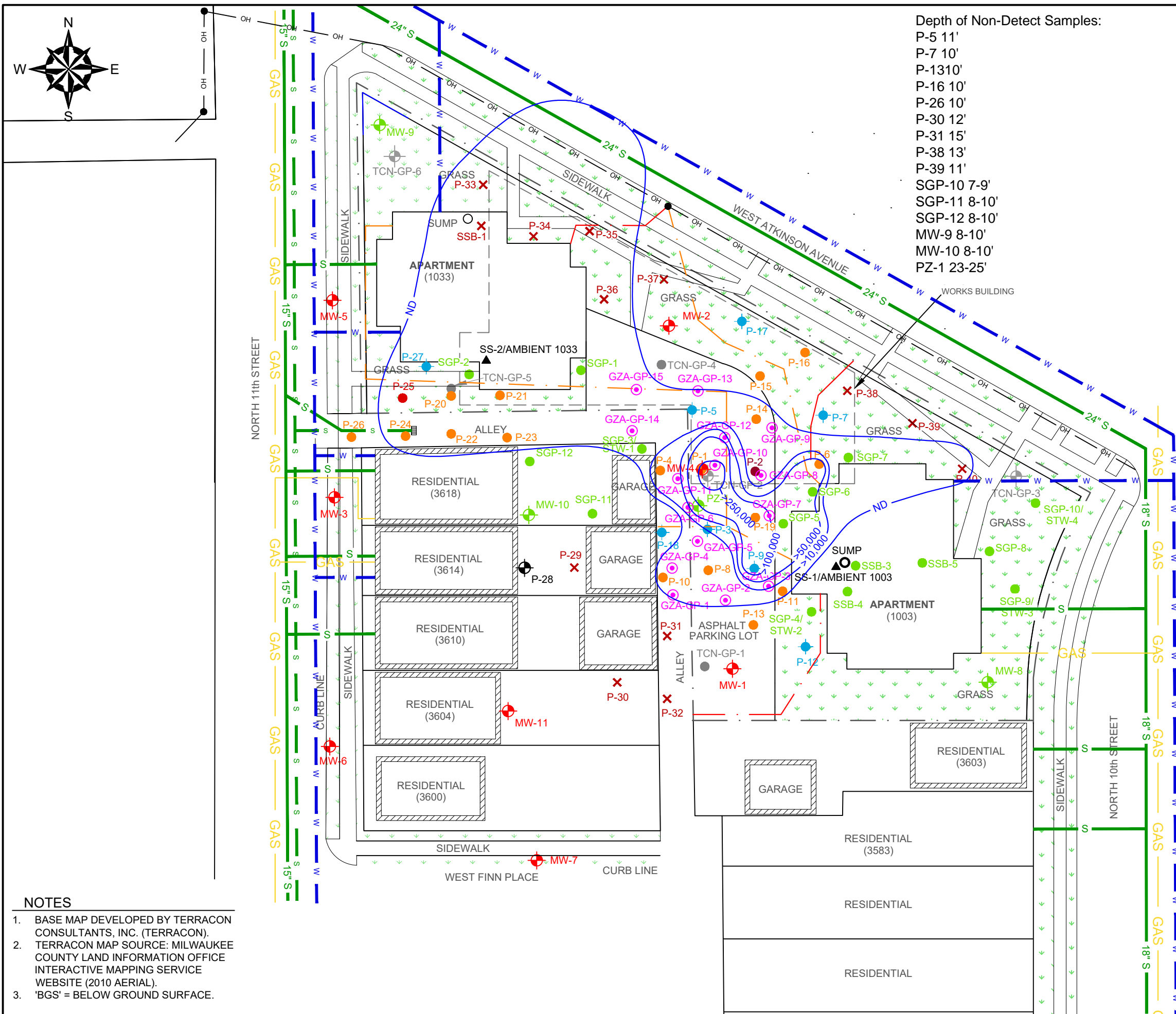
CLARE CENTRAL  
 1003 AND 1033 WEST ATKINSON AVENUE  
 MILWAUKEE, WISCONSIN

**TCE GROUNDWATER ISOCONCENTRATION MAP (AUGUST 26, 2019)**

PREPARED BY: **GZA GeoEnvironmental, Inc.**  
 Engineers and Scientists  
 www.gza.com

PREPARED FOR: AXLEY BRYNELSON, LLP

PROJ MGR: HAW	REVIEWED BY: JFD	CHECKED BY: JLP	FIG 6
DESIGNED BY: MJS	DRAWN BY: MJS	SCALE: NOT TO SCALE	6
DATE: 5/27/2019	PROJECT NO. 20.0156038.01	REVISION NO.	



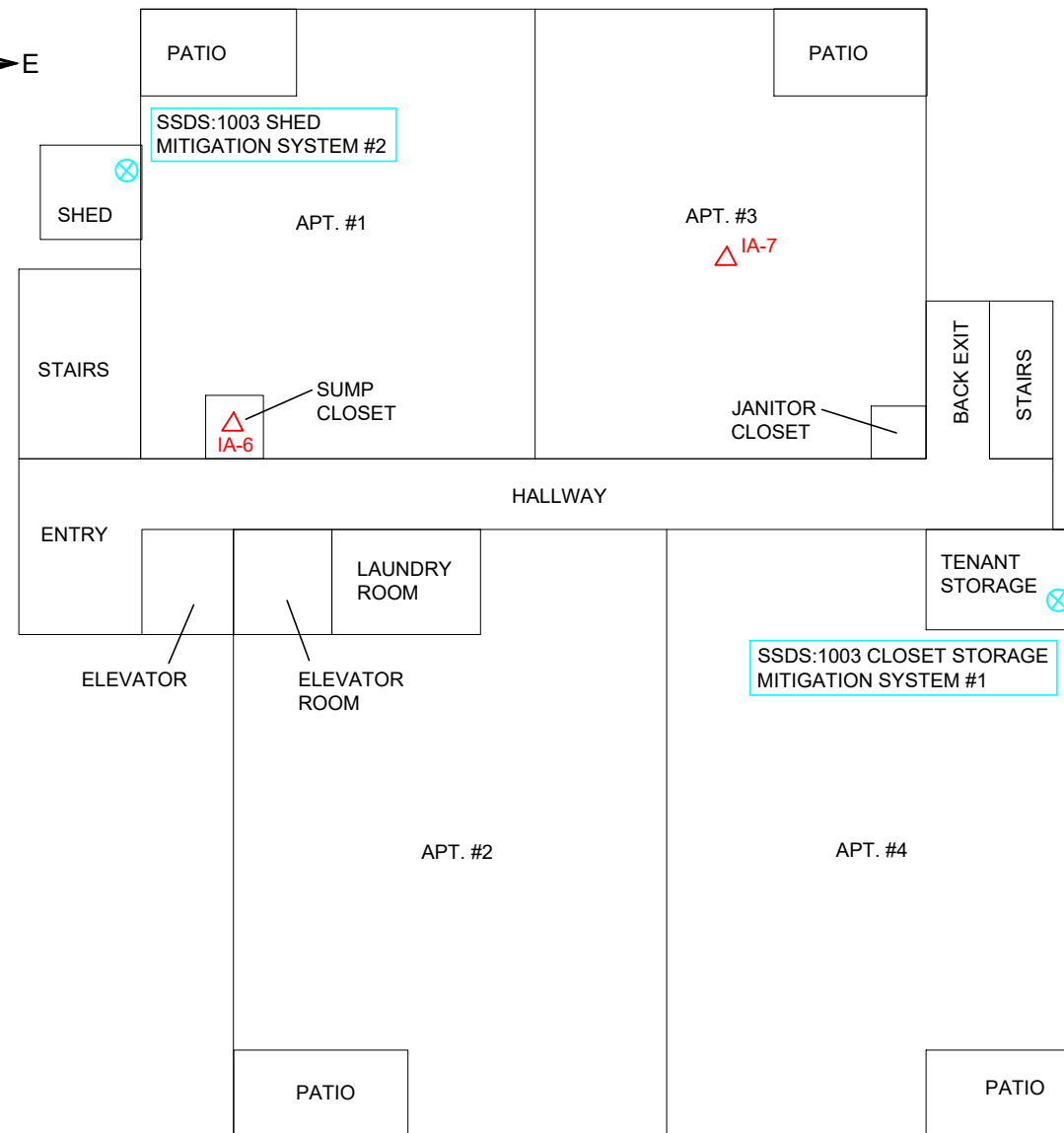
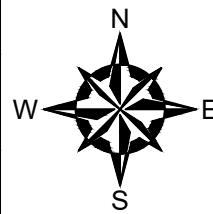
Depth of Non-Detect Samples:  
 P-5 11'  
 P-7 10'  
 P-13 10'  
 P-16 10'  
 P-26 10'  
 P-30 12'  
 P-31 15'  
 P-38 13'  
 P-39 11'  
 SGP-10 7-9'  
 SGP-11 8-10'  
 SGP-12 8-10'  
 MW-9 8-10'  
 MW-10 8-10'  
 PZ-1 23-25'

**LEGEND**

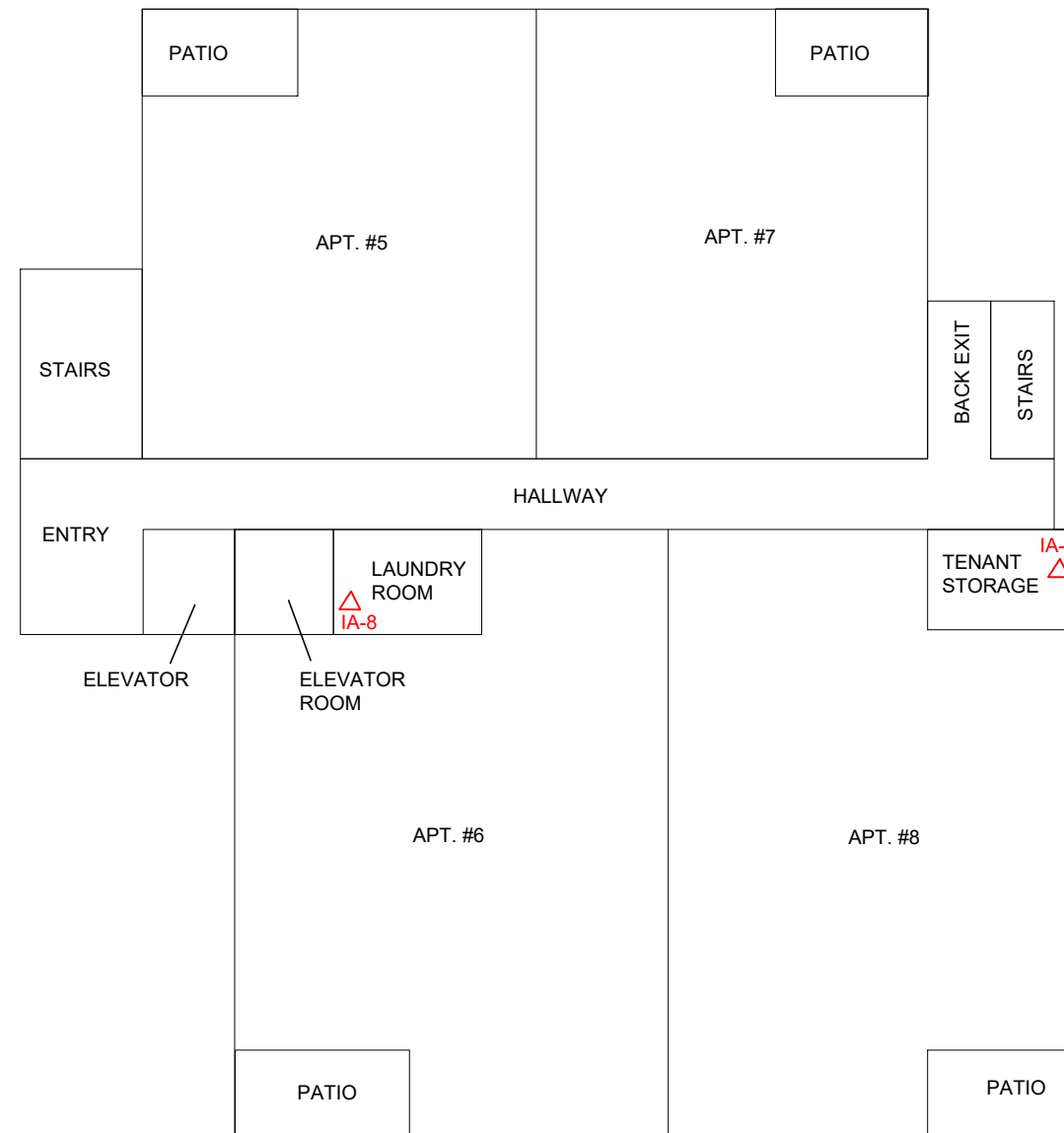
- APPROXIMATE SITE BOUNDARY
- ELECTRIC (WE ENERGIES)
- COMMUNICATION (AT & T)
- GAS GAS LINE
- OH OH OVERHEAD LINES
- W WATER LINE
- S SEWER LINE
- 15" S 15" COMBINED SEWER LINE
- 18" S 18" COMBINED SEWER LINE
- 24" S 24" COMBINED SEWER LINE
- SOIL & GROUNDWATER PROBE LOCATION (TERRACON, AUGUST 16, 2006)
- SOIL PROBE LOCATION (TERRACON, AUGUST 16, 2006)
- GROUNDWATER MONITORING WELL LOCATION
- GEOPROBE BORING LOCATION (20 FEET BGS)
- GEOPROBE BORING LOCATION (20 FEET BGS) WITH TEMPORARY WELL
- GEOPROBE BORING LOCATION (35 FEET BGS)
- SUB SLAB VAPOR MONITORING POINT (FEBRUARY 11, 2011)
- SOIL BORING LOCATION (TERRACON, JUNE 23, 2016)
- GROUNDWATER TEMPORARY/ MONITORING WELL LOCATION (TERRACON, JUNE 23, 2016)
- GROUNDWATER MONITORING WELL/ PIEZOMETER LOCATION (SIGMA)
- GEOPROBE BORING LOCATION (SIGMA)
- 2020 SOIL BORINGS INSTALLED BY GZA

- NOTES**
- BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
  - TERRACON MAP SOURCE: MILWAUKEE COUNTY LAND INFORMATION OFFICE INTERACTIVE MAPPING SERVICE WEBSITE (2010 AERIAL).
  - 'BGS' = BELOW GROUND SURFACE.

NO.	ISSUE/DESCRIPTION	BY	DATE
<p>UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.</p>			
<p><b>CLARE CENTRAL</b>                  1003 AND 1033 WEST ATKINSON AVENUE                  MILWAUKEE, WISCONSIN</p>			
<p><b>CVOC SOIL ISOCONCENTRATION MAP</b>                  (8-12' BGS)</p>			
<p>PREPARED BY:  <b>GZA GeoEnvironmental, Inc.</b>                  Engineers and Scientists                  www.gza.com</p>		<p>PREPARED FOR:                  AXLEY                  BRYNELSON,                  LLP</p>	
<p>PROJ MGR: HAW</p>	<p>REVIEWED BY: JFD</p>	<p>CHECKED BY: JULP</p>	<p>FIG</p>
<p>DESIGNED BY: MJS</p>	<p>DRAWN BY: MJS</p>	<p>SCALE: 1" = 40'</p>	<p><b>7</b></p>
<p>DATE: 5/27/2021</p>	<p>PROJECT NO. 20.0156038.01</p>	<p>REVISION NO.</p>	
			<p>SHEET NO. 11 OF 12</p>



**FIRST FLOOR**



**SECOND FLOOR**

IA-6	ug/cm <sup>3</sup>
1,2-DCE	1.6
Ethylbenzene	11.5
Naphthalene	3.6 J

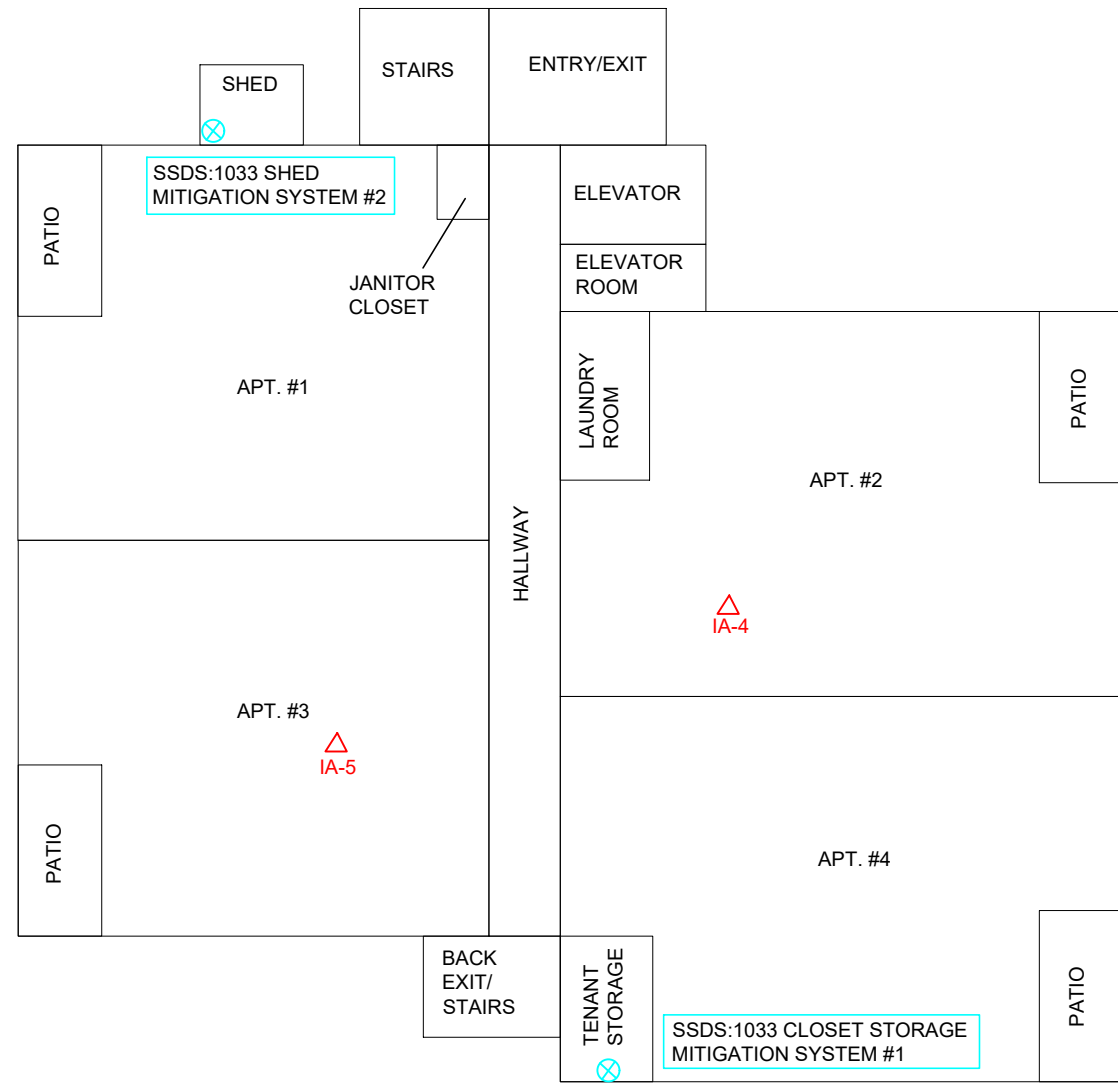
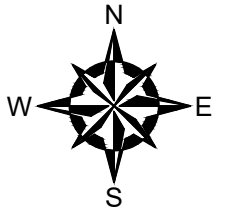
IA-8	ug/cm <sup>3</sup>
Naphthalene	2.1J

IA-9	ug/cm <sup>3</sup>
Naphthalene	5

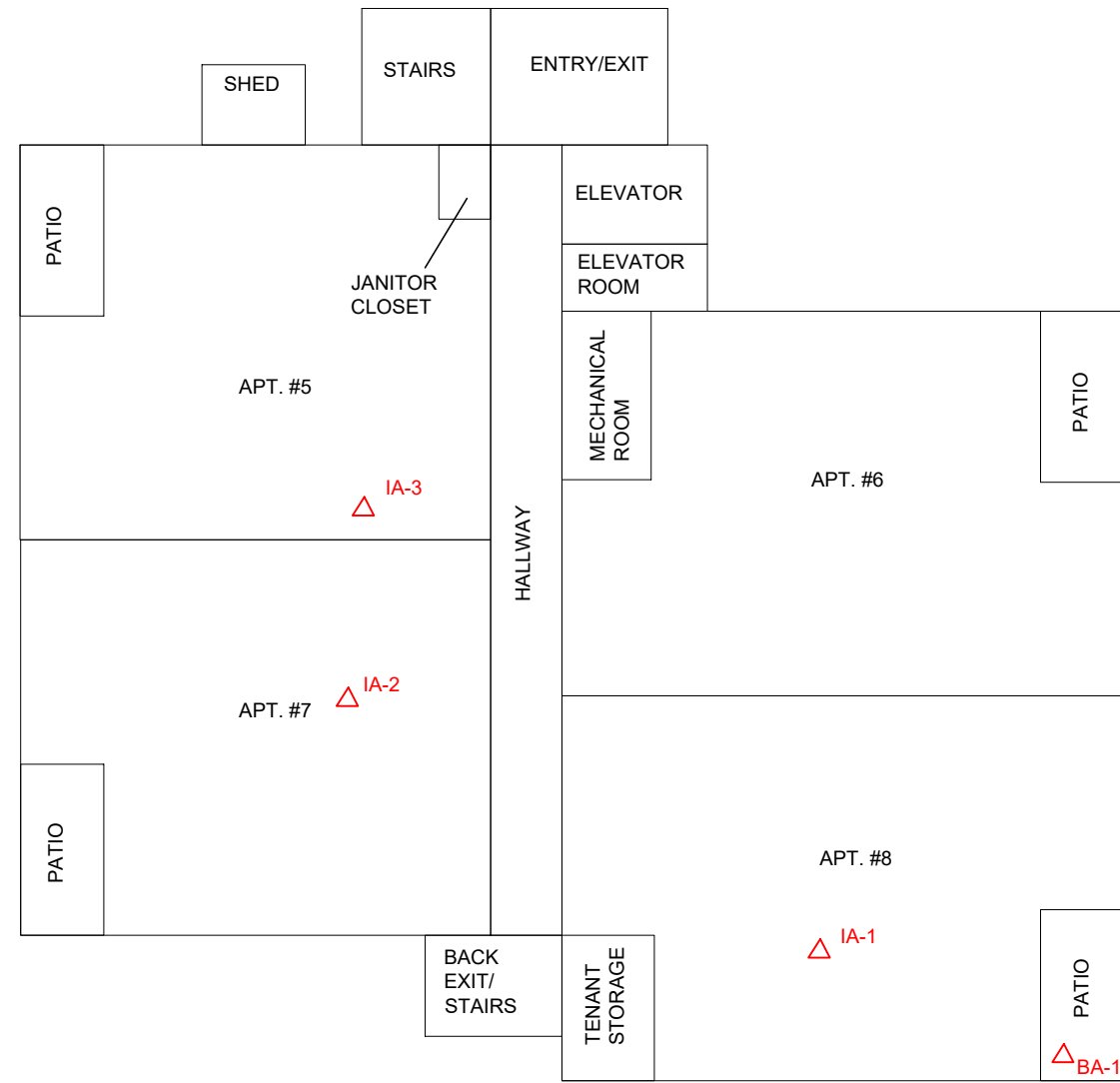
**NOTES**

1. BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
2. LOCATIONS OF SAMPLING POINTS ARE APPROXIMATE.
3. 'SSDS' = SUB-SLAB DEPRESSURIZATION SYSTEM.

LEGEND			
△	AMBIENT AIR SAMPLE LOCATION		
⊗	SSDS PICKUP POINT LOCATION		
NO.	ISSUE/DESCRIPTION	BY	DATE
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<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN			
<b>AMBIENT AIR SAMPLE LOCATIONS</b> <b>(1003 WEST ATKINSON BUILDING)</b>			
PREPARED BY: <b>GZA</b> GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW DESIGNED BY: MJS DATE: 5/27/2021	REVIEWED BY: JFD DRAWN BY: MJS PROJECT NO. 20.0156038.01	CHECKED BY: JLP SCALE: NOT TO SCALE REVISION NO.	FIG <span style="font-size: 2em; font-weight: bold;">7a</span> SHEET NO. 7 OF 12



**FIRST FLOOR**



**SECOND FLOOR**

BA-1	ug/cm <sup>3</sup>
Naphthalene	2.7J

IA-1	ug/cm <sup>3</sup>
1,2-DCE	9.6
Benzene	9.7
Chloroform	60.4
Naphthalene	3.9

IA-2	ug/cm <sup>3</sup>
Benzene	3.9

IA-3	ug/cm <sup>3</sup>
1,2-DCE	5.3
1,4-Dichlorobenzene	3.1J
Naphthalene	13.7

IA-4	ug/cm <sup>3</sup>
1,4-Dichlorobenzene	70.5
Naphthalene	16.5

IA-5	ug/cm <sup>3</sup>
Naphthalene	2.3J

LEGEND			
△	AMBIENT AIR SAMPLE LOCATION		
⊗	SSDS PICKUP POINT LOCATION		
<small>UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEORENVIROMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE. WITHOUT THE PRIOR WRITTEN CONSENT OF GZA, ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.</small>			
<b>CLARE CENTRAL</b> 1003 AND 1033 WEST ATKINSON AVENUE MILWAUKEE, WISCONSIN			
<b>AMBIENT AIR SAMPLE LOCATIONS</b> <b>(1033 WEST ATKINSON BUILDING)</b>			
PREPARED BY: GZA GeoEnvironmental, Inc. Engineers and Scientists www.gza.com		PREPARED FOR: AXLEY BRYNELSON, LLP	
PROJ MGR: HAW DESIGNED BY: MJS DATE: 5/27/2021	REVIEWED BY: JFD DRAWN BY: MJS PROJECT NO. 20.0156038.01	CHECKED BY: JJLP SCALE: NOT TO SCALE REVISION NO.	FIG <b>7b</b> SHEET NO. 8 OF 12

**NOTES**

1. BASE MAP DEVELOPED BY TERRACON CONSULTANTS, INC. (TERRACON).
2. LOCATIONS OF SAMPLING POINTS ARE APPROXIMATE.
3. 'SSDS' = SUB-SLAB DEPRESSURIZATION SYSTEM.



**ATTACHMENT 1**

**Laboratory Analytical Report**

June 23, 2020

Heidi Woelfel  
GZA  
17975 West Sarah Lane  
Suite 100  
Brookfield, WI 53045

RE: Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

Dear Heidi Woelfel:

Enclosed are the analytical results for sample(s) received by the laboratory on June 18, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska  
christopher.hyska@pacelabs.com  
(920)469-2436  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

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### **Pace Analytical Services Green Bay**

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40209733001	GZA-GP2 (3-4')	Solid	06/15/20 08:30	06/18/20 09:05
40209733002	GZA-GP1 (2-3')	Solid	06/15/20 08:45	06/18/20 09:05
40209733003	GZA-GP4 (1-2')	Solid	06/15/20 08:55	06/18/20 09:05
40209733004	GZA-GP5 (2-3')	Solid	06/15/20 09:05	06/18/20 09:05
40209733005	GZA-GP3 (2-3')	Solid	06/15/20 09:15	06/18/20 09:05
40209733006	GZA-GP6 (1-2')	Solid	06/15/20 09:20	06/18/20 09:05
40209733007	GZA-GP7 (3-4')	Solid	06/15/20 09:30	06/18/20 09:05
40209733008	GZA-GP8 (3-4')	Solid	06/15/20 09:40	06/18/20 09:05
40209733009	GZA-GP9 (3-4')	Solid	06/15/20 09:50	06/18/20 09:05
40209733010	GZA-GP10 (0-1')	Solid	06/15/20 10:00	06/18/20 09:05
40209733011	GZA-GP11 (1-2')	Solid	06/15/20 10:15	06/18/20 09:05
40209733012	GZA-GP12 (3-4')	Solid	06/15/20 10:25	06/18/20 09:05
40209733013	GZA-GP13 (3-4')	Solid	06/15/20 10:35	06/18/20 09:05
40209733014	GZA-GP14 (1-2')	Solid	06/15/20 10:45	06/18/20 09:05
40209733015	GZA-GP15 (1-2')	Solid	06/15/20 10:55	06/18/20 09:05
40209733016	TRIP BLANK	Solid	06/15/20 00:00	06/18/20 09:05

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40209733001	GZA-GP2 (3-4')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733002	GZA-GP1 (2-3')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733003	GZA-GP4 (1-2')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733004	GZA-GP5 (2-3')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733005	GZA-GP3 (2-3')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733006	GZA-GP6 (1-2')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733007	GZA-GP7 (3-4')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733008	GZA-GP8 (3-4')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733009	GZA-GP9 (3-4')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733010	GZA-GP10 (0-1')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733011	GZA-GP11 (1-2')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733012	GZA-GP12 (3-4')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733013	GZA-GP13 (3-4')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733014	GZA-GP14 (1-2')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733015	GZA-GP15 (1-2')	EPA 8260	MDS	64	PASI-G
		ASTM D2974-87	VGC	1	PASI-G
40209733016	TRIP BLANK	EPA 8260	MDS	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40209733001</b>	<b>GZA-GP2 (3-4')</b>					
EPA 8260	Benzene	37.8J	ug/kg	71.2	06/19/20 14:51	
EPA 8260	Vinyl chloride	90.7	ug/kg	71.2	06/19/20 14:51	
EPA 8260	cis-1,2-Dichloroethene	272	ug/kg	71.2	06/19/20 14:51	
EPA 8260	n-Butylbenzene	53.3J	ug/kg	119	06/19/20 14:51	
EPA 8260	sec-Butylbenzene	305	ug/kg	85.4	06/19/20 14:51	
ASTM D2974-87	Percent Moisture	15.7	%	0.10	06/22/20 16:14	
<b>40209733002</b>	<b>GZA-GP1 (2-3')</b>					
EPA 8260	Trichloroethene	270	ug/kg	68.5	06/19/20 15:14	
EPA 8260	cis-1,2-Dichloroethene	47.8J	ug/kg	68.5	06/19/20 15:14	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	06/22/20 16:14	
<b>40209733003</b>	<b>GZA-GP4 (1-2')</b>					
EPA 8260	Trichloroethene	47.6J	ug/kg	73.8	06/19/20 15:37	
EPA 8260	cis-1,2-Dichloroethene	79.5	ug/kg	73.8	06/19/20 15:37	
ASTM D2974-87	Percent Moisture	18.7	%	0.10	06/22/20 16:14	
<b>40209733004</b>	<b>GZA-GP5 (2-3')</b>					
ASTM D2974-87	Percent Moisture	16.8	%	0.10	06/22/20 16:14	
<b>40209733005</b>	<b>GZA-GP3 (2-3')</b>					
EPA 8260	Trichloroethene	10400	ug/kg	68.2	06/19/20 12:23	
EPA 8260	Vinyl chloride	297	ug/kg	68.2	06/19/20 12:23	
EPA 8260	cis-1,2-Dichloroethene	14200	ug/kg	170	06/22/20 11:28	
EPA 8260	trans-1,2-Dichloroethene	300	ug/kg	76.1	06/19/20 12:23	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	06/22/20 16:14	
<b>40209733006</b>	<b>GZA-GP6 (1-2')</b>					
EPA 8260	Trichloroethene	3430	ug/kg	74.8	06/19/20 16:23	
EPA 8260	cis-1,2-Dichloroethene	797	ug/kg	74.8	06/19/20 16:23	
EPA 8260	trans-1,2-Dichloroethene	155	ug/kg	83.6	06/19/20 16:23	
ASTM D2974-87	Percent Moisture	19.8	%	0.10	06/22/20 16:14	
<b>40209733007</b>	<b>GZA-GP7 (3-4')</b>					
EPA 8260	1,1-Dichloroethene	147	ug/kg	71.6	06/19/20 16:46	
EPA 8260	1,2,4-Trimethylbenzene	795	ug/kg	71.6	06/19/20 16:46	
EPA 8260	1,3,5-Trimethylbenzene	396	ug/kg	71.6	06/19/20 16:46	
EPA 8260	Ethylbenzene	467	ug/kg	71.6	06/19/20 16:46	
EPA 8260	Isopropylbenzene (Cumene)	1130	ug/kg	71.6	06/19/20 16:46	
EPA 8260	Trichloroethene	26300	ug/kg	358	06/22/20 11:51	
EPA 8260	Vinyl chloride	194	ug/kg	71.6	06/19/20 16:46	
EPA 8260	cis-1,2-Dichloroethene	4790	ug/kg	71.6	06/19/20 16:46	
EPA 8260	m&p-Xylene	59.9J	ug/kg	143	06/19/20 16:46	
EPA 8260	n-Propylbenzene	77.7	ug/kg	71.6	06/19/20 16:46	
EPA 8260	p-Isopropyltoluene	71.5J	ug/kg	85.9	06/19/20 16:46	
EPA 8260	sec-Butylbenzene	452	ug/kg	85.9	06/19/20 16:46	
EPA 8260	tert-Butylbenzene	109	ug/kg	74.0	06/19/20 16:46	
EPA 8260	trans-1,2-Dichloroethene	304	ug/kg	79.9	06/19/20 16:46	
ASTM D2974-87	Percent Moisture	16.2	%	0.10	06/22/20 16:14	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>40209733008</b>	<b>GZA-GP8 (3-4')</b>					
EPA 8260	Trichloroethene	1070	ug/kg	68.6	06/19/20 17:09	
EPA 8260	cis-1,2-Dichloroethene	551	ug/kg	68.6	06/19/20 17:09	
EPA 8260	trans-1,2-Dichloroethene	28.9J	ug/kg	76.5	06/19/20 17:09	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	06/22/20 16:14	
<b>40209733009</b>	<b>GZA-GP9 (3-4')</b>					
EPA 8260	Trichloroethene	102	ug/kg	70.6	06/22/20 12:14	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	06/22/20 16:14	
<b>40209733010</b>	<b>GZA-GP10 (0-1')</b>					
EPA 8260	Trichloroethene	1590	ug/kg	68.9	06/22/20 12:37	
EPA 8260	Vinyl chloride	80.8	ug/kg	68.9	06/22/20 12:37	
EPA 8260	cis-1,2-Dichloroethene	1540	ug/kg	68.9	06/22/20 12:37	
EPA 8260	trans-1,2-Dichloroethene	194	ug/kg	76.9	06/22/20 12:37	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	06/22/20 16:14	
<b>40209733011</b>	<b>GZA-GP11 (1-2')</b>					
EPA 8260	Trichloroethene	19500	ug/kg	301	06/22/20 14:56	
EPA 8260	cis-1,2-Dichloroethene	3040	ug/kg	75.3	06/22/20 13:00	
EPA 8260	trans-1,2-Dichloroethene	337	ug/kg	84.1	06/22/20 13:00	
ASTM D2974-87	Percent Moisture	20.3	%	0.10	06/22/20 16:14	
<b>40209733012</b>	<b>GZA-GP12 (3-4')</b>					
EPA 8260	Tetrachloroethene	70.5J	ug/kg	148	06/22/20 13:23	
EPA 8260	Trichloroethene	5670	ug/kg	68.7	06/22/20 13:23	
ASTM D2974-87	Percent Moisture	12.7	%	0.10	06/22/20 16:14	
<b>40209733013</b>	<b>GZA-GP13 (3-4')</b>					
EPA 8260	Trichloroethene	254	ug/kg	68.5	06/22/20 13:47	
ASTM D2974-87	Percent Moisture	12.4	%	0.10	06/22/20 16:14	
<b>40209733014</b>	<b>GZA-GP14 (1-2')</b>					
EPA 8260	Trichloroethene	5910	ug/kg	68.4	06/22/20 14:10	
EPA 8260	cis-1,2-Dichloroethene	501	ug/kg	68.4	06/22/20 14:10	
EPA 8260	trans-1,2-Dichloroethene	84.8	ug/kg	76.4	06/22/20 14:10	
ASTM D2974-87	Percent Moisture	12.3	%	0.10	06/22/20 16:14	
<b>40209733015</b>	<b>GZA-GP15 (1-2')</b>					
EPA 8260	Toluene	41.1J	ug/kg	73.5	06/22/20 14:33	
EPA 8260	Trichloroethene	130	ug/kg	73.5	06/22/20 14:33	
EPA 8260	cis-1,2-Dichloroethene	221	ug/kg	73.5	06/22/20 14:33	
ASTM D2974-87	Percent Moisture	18.4	%	0.10	06/22/20 16:14	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

Sample: **GZA-GP2 (3-4)** Lab ID: **40209733001** Collected: 06/15/20 08:30 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 14:51	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 14:51	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 14:51	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 14:51	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 14:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 14:51	106-43-4	W
Benzene	37.8J	ug/kg	71.2	29.7	1	06/19/20 09:30	06/19/20 14:51	71-43-2	
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 14:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 14:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:51	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 14:51	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 14:51	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 14:51	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 14:51	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 14:51	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:51	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 14:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 14:51	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 14:51	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP2 (3-4')** Lab ID: 40209733001 Collected: 06/15/20 08:30 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 14:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 14:51	75-69-4	W
Vinyl chloride	90.7	ug/kg	71.2	29.7	1	06/19/20 09:30	06/19/20 14:51	75-01-4	
cis-1,2-Dichloroethene	272	ug/kg	71.2	29.7	1	06/19/20 09:30	06/19/20 14:51	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 14:51	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 14:51	179601-23-1	W
n-Butylbenzene	53.3J	ug/kg	119	35.6	1	06/19/20 09:30	06/19/20 14:51	104-51-8	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 14:51	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 14:51	99-87-6	W
sec-Butylbenzene	305	ug/kg	85.4	29.7	1	06/19/20 09:30	06/19/20 14:51	135-98-8	
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 14:51	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 14:51	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 14:51	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	99	%	58-145		1	06/19/20 09:30	06/19/20 14:51	1868-53-7	
Toluene-d8 (S)	104	%	56-140		1	06/19/20 09:30	06/19/20 14:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	52-137		1	06/19/20 09:30	06/19/20 14:51	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

Percent Moisture	15.7	%	0.10	0.10	1		06/22/20 16:14		
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**Sample: GZA-GP1 (2-3')** Lab ID: 40209733002 Collected: 06/15/20 08:45 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	71-55-6	W
1,1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 15:14	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 15:14	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 15:14	120-82-1	W

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

**Sample: GZA-GP1 (2-3)**      **Lab ID: 40209733002**      Collected: 06/15/20 08:45      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 15:14	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 15:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 15:14	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 15:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 15:14	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 15:14	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 15:14	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 15:14	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 15:14	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 15:14	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 15:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 15:14	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 15:14	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 15:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	108-88-3	W
Trichloroethene	270	ug/kg	68.5	28.5	1	06/19/20 09:30	06/19/20 15:14	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	75-01-4	W
cis-1,2-Dichloroethene	47.8J	ug/kg	68.5	28.5	1	06/19/20 09:30	06/19/20 15:14	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 15:14	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 15:14	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 15:14	104-51-8	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

**Sample: GZA-GP1 (2-3')** Lab ID: 40209733002 Collected: 06/15/20 08:45 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:14	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:14	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 15:14	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 15:14	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 15:14	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	97	%	58-145		1	06/19/20 09:30	06/19/20 15:14	1868-53-7	
Toluene-d8 (S)	102	%	56-140		1	06/19/20 09:30	06/19/20 15:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%	52-137		1	06/19/20 09:30	06/19/20 15:14	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.4	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP4 (1-2')** Lab ID: 40209733003 Collected: 06/15/20 08:55 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 15:37	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 15:37	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 15:37	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 15:37	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	106-46-7	W

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP4 (1-2)**      **Lab ID: 40209733003**      Collected: 06/15/20 08:55      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 15:37	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 15:37	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 15:37	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 15:37	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 15:37	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 15:37	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 15:37	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 15:37	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 15:37	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 15:37	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 15:37	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 15:37	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 15:37	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	108-88-3	W
Trichloroethene	47.6J	ug/kg	73.8	30.7	1	06/19/20 09:30	06/19/20 15:37	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	75-01-4	W
cis-1,2-Dichloroethene	79.5	ug/kg	73.8	30.7	1	06/19/20 09:30	06/19/20 15:37	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 15:37	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 15:37	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 15:37	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 15:37	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:37	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 15:37	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 15:37	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 15:37	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 15:37	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	103	%	58-145		1	06/19/20 09:30	06/19/20 15:37	1868-53-7	
Toluene-d8 (S)	105	%	56-140		1	06/19/20 09:30	06/19/20 15:37	2037-26-5	

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP4 (1-2') Lab ID: 40209733003** Collected: 06/15/20 08:55 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99	%	52-137		1	06/19/20 09:30	06/19/20 15:37	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	18.7	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP5 (2-3') Lab ID: 40209733004** Collected: 06/15/20 09:05 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 16:00	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 16:00	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 16:00	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 16:00	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 16:00	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 16:00	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 16:00	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 16:00	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 16:00	74-83-9	W

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP5 (2-3') Lab ID: 40209733004** Collected: 06/15/20 09:05 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 16:00	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 16:00	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 16:00	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 16:00	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 16:00	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 16:00	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 16:00	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 16:00	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 16:00	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 16:00	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 16:00	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:00	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:00	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:00	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 16:00	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 16:00	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 16:00	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	90	%	58-145		1	06/19/20 09:30	06/19/20 16:00	1868-53-7	
Toluene-d8 (S)	92	%	56-140		1	06/19/20 09:30	06/19/20 16:00	2037-26-5	
4-Bromofluorobenzene (S)	89	%	52-137		1	06/19/20 09:30	06/19/20 16:00	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

Percent Moisture	<b>16.8</b>	%	0.10	0.10	1		06/22/20 16:14		
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### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Sample: **GZA-GP3 (2-3')** Lab ID: **40209733005** Collected: 06/15/20 09:15 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 12:23	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 12:23	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 12:23	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 12:23	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 12:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 12:23	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 12:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 12:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:23	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 12:23	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 12:23	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 12:23	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 12:23	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 12:23	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:23	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 12:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 12:23	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 12:23	91-20-3	W

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP3 (2-3') Lab ID: 40209733005** Collected: 06/15/20 09:15 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 12:23	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	108-88-3	W
Trichloroethene	10400	ug/kg	68.2	28.4	1	06/19/20 09:30	06/19/20 12:23	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 12:23	75-69-4	W
Vinyl chloride	297	ug/kg	68.2	28.4	1	06/19/20 09:30	06/19/20 12:23	75-01-4	
cis-1,2-Dichloroethene	14200	ug/kg	170	71.0	2.5	06/19/20 09:30	06/22/20 11:28	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 12:23	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 12:23	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 12:23	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:23	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:23	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 12:23	98-06-6	W
trans-1,2-Dichloroethene	300	ug/kg	76.1	28.4	1	06/19/20 09:30	06/19/20 12:23	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 12:23	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	105	%	58-145		1	06/19/20 09:30	06/19/20 12:23	1868-53-7	
Toluene-d8 (S)	108	%	56-140		1	06/19/20 09:30	06/19/20 12:23	2037-26-5	
4-Bromofluorobenzene (S)	100	%	52-137		1	06/19/20 09:30	06/19/20 12:23	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.0	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP6 (1-2')** Lab ID: 40209733006 Collected: 06/15/20 09:20 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 16:23	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 16:23	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 16:23	120-82-1	W

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Sample: **GZA-GP6 (1-2')** Lab ID: **40209733006** Collected: 06/15/20 09:20 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 16:23	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 16:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 16:23	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 16:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 16:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 16:23	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 16:23	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 16:23	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 16:23	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 16:23	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 16:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 16:23	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 16:23	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 16:23	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	108-88-3	W
Trichloroethene	3430	ug/kg	74.8	31.2	1	06/19/20 09:30	06/19/20 16:23	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	75-01-4	W
cis-1,2-Dichloroethene	797	ug/kg	74.8	31.2	1	06/19/20 09:30	06/19/20 16:23	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 16:23	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 16:23	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 16:23	104-51-8	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP6 (1-2')**      **Lab ID: 40209733006**      Collected: 06/15/20 09:20      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:23	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:23	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 16:23	98-06-6	W
trans-1,2-Dichloroethene	155	ug/kg	83.6	31.2	1	06/19/20 09:30	06/19/20 16:23	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 16:23	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	98	%	58-145		1	06/19/20 09:30	06/19/20 16:23	1868-53-7	
Toluene-d8 (S)	101	%	56-140		1	06/19/20 09:30	06/19/20 16:23	2037-26-5	
4-Bromofluorobenzene (S)	97	%	52-137		1	06/19/20 09:30	06/19/20 16:23	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	19.8	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP7 (3-4')**      **Lab ID: 40209733007**      Collected: 06/15/20 09:30      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	75-34-3	W
1,1-Dichloroethene	147	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	75-35-4	
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 16:46	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 16:46	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 16:46	120-82-1	W
1,2,4-Trimethylbenzene	795	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	95-63-6	
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 16:46	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	78-87-5	W
1,3,5-Trimethylbenzene	396	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	108-67-8	
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	106-46-7	W

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

**Sample: GZA-GP7 (3-4)**      **Lab ID: 40209733007**      Collected: 06/15/20 09:30      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 16:46	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 16:46	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 16:46	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 16:46	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:46	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 16:46	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 16:46	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 16:46	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 16:46	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 16:46	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 16:46	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	108-20-3	W
Ethylbenzene	467	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	100-41-4	
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 16:46	87-68-3	W
Isopropylbenzene (Cumene)	1130	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	98-82-8	
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 16:46	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 16:46	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 16:46	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	108-88-3	W
Trichloroethene	26300	ug/kg	358	149	5	06/19/20 09:30	06/22/20 11:51	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 16:46	75-69-4	W
Vinyl chloride	194	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	75-01-4	
cis-1,2-Dichloroethene	4790	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 16:46	10061-01-5	W
m&p-Xylene	59.9J	ug/kg	143	59.7	1	06/19/20 09:30	06/19/20 16:46	179601-23-1	
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 16:46	104-51-8	W
n-Propylbenzene	77.7	ug/kg	71.6	29.8	1	06/19/20 09:30	06/19/20 16:46	103-65-1	
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 16:46	95-47-6	W
p-Isopropyltoluene	71.5J	ug/kg	85.9	29.8	1	06/19/20 09:30	06/19/20 16:46	99-87-6	
sec-Butylbenzene	452	ug/kg	85.9	29.8	1	06/19/20 09:30	06/19/20 16:46	135-98-8	
tert-Butylbenzene	109	ug/kg	74.0	29.8	1	06/19/20 09:30	06/19/20 16:46	98-06-6	
trans-1,2-Dichloroethene	304	ug/kg	79.9	29.8	1	06/19/20 09:30	06/19/20 16:46	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 16:46	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	58-145		1	06/19/20 09:30	06/19/20 16:46	1868-53-7	
Toluene-d8 (S)	105	%	56-140		1	06/19/20 09:30	06/19/20 16:46	2037-26-5	

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP7 (3-4)**      **Lab ID: 40209733007**      Collected: 06/15/20 09:30      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	102	%	52-137		1	06/19/20 09:30	06/19/20 16:46	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	<b>16.2</b>	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP8 (3-4)**      **Lab ID: 40209733008**      Collected: 06/15/20 09:40      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 17:09	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 17:09	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 17:09	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 17:09	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 17:09	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 17:09	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 17:09	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 17:09	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 17:09	74-83-9	W

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP8 (3-4)**      **Lab ID: 40209733008**      Collected: 06/15/20 09:40      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 17:09	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 17:09	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 17:09	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 17:09	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 17:09	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 17:09	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 17:09	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 17:09	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	108-88-3	W
Trichloroethene	1070	ug/kg	68.6	28.6	1	06/19/20 09:30	06/19/20 17:09	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	75-01-4	W
cis-1,2-Dichloroethene	551	ug/kg	68.6	28.6	1	06/19/20 09:30	06/19/20 17:09	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 17:09	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 17:09	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 17:09	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 17:09	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 17:09	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 17:09	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 17:09	98-06-6	W
trans-1,2-Dichloroethene	28.9J	ug/kg	76.5	28.6	1	06/19/20 09:30	06/19/20 17:09	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 17:09	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	101	%	58-145		1	06/19/20 09:30	06/19/20 17:09	1868-53-7	
Toluene-d8 (S)	107	%	56-140		1	06/19/20 09:30	06/19/20 17:09	2037-26-5	
4-Bromofluorobenzene (S)	100	%	52-137		1	06/19/20 09:30	06/19/20 17:09	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

Percent Moisture	12.5	%	0.10	0.10	1		06/22/20 16:14		
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### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Sample: **GZA-GP9 (3-4)** Lab ID: **40209733009** Collected: 06/15/20 09:50 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 12:14	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 12:14	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 12:14	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 12:14	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 12:14	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 12:14	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 12:14	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 12:14	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 12:14	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 12:14	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 12:14	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 12:14	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 12:14	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 12:14	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 12:14	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 12:14	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP9 (3-4') Lab ID: 40209733009** Collected: 06/15/20 09:50 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/22/20 12:14	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	108-88-3	W
Trichloroethene	102	ug/kg	70.6	29.4	1	06/19/20 09:30	06/22/20 12:14	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 12:14	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 12:14	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 12:14	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:14	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:14	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:14	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 12:14	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/22/20 12:14	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 12:14	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	87	%	58-145		1	06/19/20 09:30	06/22/20 12:14	1868-53-7	
Toluene-d8 (S)	88	%	56-140		1	06/19/20 09:30	06/22/20 12:14	2037-26-5	
4-Bromofluorobenzene (S)	85	%	52-137		1	06/19/20 09:30	06/22/20 12:14	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

Percent Moisture	15.0	%	0.10	0.10	1		06/22/20 16:14		
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**Sample: GZA-GP10 (0-1') Lab ID: 40209733010** Collected: 06/15/20 10:00 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 12:37	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 12:37	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 12:37	120-82-1	W

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Sample: **GZA-GP10 (0-1')** Lab ID: **40209733010** Collected: 06/15/20 10:00 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 12:37	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 12:37	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 12:37	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 12:37	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 12:37	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:37	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 12:37	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 12:37	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 12:37	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 12:37	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 12:37	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:37	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 12:37	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 12:37	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 12:37	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/22/20 12:37	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	108-88-3	W
Trichloroethene	1590	ug/kg	68.9	28.7	1	06/19/20 09:30	06/22/20 12:37	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 12:37	75-69-4	W
Vinyl chloride	80.8	ug/kg	68.9	28.7	1	06/19/20 09:30	06/22/20 12:37	75-01-4	
cis-1,2-Dichloroethene	1540	ug/kg	68.9	28.7	1	06/19/20 09:30	06/22/20 12:37	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 12:37	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 12:37	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 12:37	104-51-8	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP10 (0-1')**      **Lab ID: 40209733010**      Collected: 06/15/20 10:00      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 12:37	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:37	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 12:37	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 12:37	98-06-6	W
trans-1,2-Dichloroethene	194	ug/kg	76.9	28.7	1	06/19/20 09:30	06/22/20 12:37	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 12:37	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	91	%	58-145		1	06/19/20 09:30	06/22/20 12:37	1868-53-7	
Toluene-d8 (S)	89	%	56-140		1	06/19/20 09:30	06/22/20 12:37	2037-26-5	
4-Bromofluorobenzene (S)	84	%	52-137		1	06/19/20 09:30	06/22/20 12:37	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.9	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP11 (1-2')**      **Lab ID: 40209733011**      Collected: 06/15/20 10:15      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 13:00	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 13:00	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 13:00	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 13:00	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	106-46-7	W

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Sample: **GZA-GP11 (1-2')** Lab ID: **40209733011** Collected: 06/15/20 10:15 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 13:00	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 13:00	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 13:00	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 13:00	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 13:00	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 13:00	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 13:00	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 13:00	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 13:00	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 13:00	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 13:00	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 13:00	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/22/20 13:00	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	108-88-3	W
Trichloroethene	19500	ug/kg	301	126	4	06/19/20 09:30	06/22/20 14:56	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	75-01-4	W
cis-1,2-Dichloroethene	3040	ug/kg	75.3	31.4	1	06/19/20 09:30	06/22/20 13:00	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 13:00	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 13:00	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 13:00	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:00	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:00	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:00	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 13:00	98-06-6	W
trans-1,2-Dichloroethene	337	ug/kg	84.1	31.4	1	06/19/20 09:30	06/22/20 13:00	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 13:00	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	99	%	58-145		1	06/19/20 09:30	06/22/20 13:00	1868-53-7	
Toluene-d8 (S)	97	%	56-140		1	06/19/20 09:30	06/22/20 13:00	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP11 (1-2')**      **Lab ID: 40209733011**      Collected: 06/15/20 10:15      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	95	%	52-137		1	06/19/20 09:30	06/22/20 13:00	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	<b>20.3</b>	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP12 (3-4')**      **Lab ID: 40209733012**      Collected: 06/15/20 10:25      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 13:23	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 13:23	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 13:23	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 13:23	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 13:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 13:23	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 13:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 13:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 13:23	74-83-9	W

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

**Sample: GZA-GP12 (3-4')**      **Lab ID: 40209733012**      Collected: 06/15/20 10:25      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 13:23	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 13:23	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 13:23	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 13:23	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 13:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 13:23	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 13:23	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	100-42-5	W
Tetrachloroethene	70.5J	ug/kg	148	44.3	1	06/19/20 09:30	06/22/20 13:23	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	108-88-3	W
Trichloroethene	5670	ug/kg	68.7	28.6	1	06/19/20 09:30	06/22/20 13:23	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 13:23	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 13:23	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 13:23	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:23	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:23	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 13:23	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/22/20 13:23	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 13:23	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	58-145		1	06/19/20 09:30	06/22/20 13:23	1868-53-7	
Toluene-d8 (S)	94	%	56-140		1	06/19/20 09:30	06/22/20 13:23	2037-26-5	
4-Bromofluorobenzene (S)	88	%	52-137		1	06/19/20 09:30	06/22/20 13:23	460-00-4	

**Percent Moisture**

Analytical Method: ASTM D2974-87  
Pace Analytical Services - Green Bay

Percent Moisture	12.7	%	0.10	0.10	1		06/22/20 16:14		
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### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Sample: **GZA-GP13 (3-4')** Lab ID: **40209733013** Collected: 06/15/20 10:35 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 13:47	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 13:47	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 13:47	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 13:47	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 13:47	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 13:47	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 13:47	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 13:47	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 13:47	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 13:47	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 13:47	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 13:47	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 13:47	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 13:47	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 13:47	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 13:47	91-20-3	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
 Pace Project No.: 40209733

**Sample: GZA-GP13 (3-4')**      **Lab ID: 40209733013**      Collected: 06/15/20 10:35      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/22/20 13:47	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	108-88-3	W
Trichloroethene	254	ug/kg	68.5	28.5	1	06/19/20 09:30	06/22/20 13:47	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 13:47	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 13:47	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 13:47	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 13:47	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:47	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 13:47	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 13:47	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/22/20 13:47	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 13:47	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	95	%	58-145		1	06/19/20 09:30	06/22/20 13:47	1868-53-7	
Toluene-d8 (S)	94	%	56-140		1	06/19/20 09:30	06/22/20 13:47	2037-26-5	
4-Bromofluorobenzene (S)	90	%	52-137		1	06/19/20 09:30	06/22/20 13:47	460-00-4	

**Percent Moisture**      Analytical Method: ASTM D2974-87  
 Pace Analytical Services - Green Bay

Percent Moisture      **12.4**      %      0.10      0.10      1      06/22/20 16:14

**Sample: GZA-GP14 (1-2')**      **Lab ID: 40209733014**      Collected: 06/15/20 10:45      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 14:10	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 14:10	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 14:10	120-82-1	W

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

Sample: **GZA-GP14 (1-2')** Lab ID: **40209733014** Collected: 06/15/20 10:45 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 14:10	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 14:10	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 14:10	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 14:10	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 14:10	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 14:10	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 14:10	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 14:10	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 14:10	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 14:10	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 14:10	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 14:10	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 14:10	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/22/20 14:10	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	108-88-3	W
Trichloroethene	5910	ug/kg	68.4	28.5	1	06/19/20 09:30	06/22/20 14:10	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	75-01-4	W
cis-1,2-Dichloroethene	501	ug/kg	68.4	28.5	1	06/19/20 09:30	06/22/20 14:10	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 14:10	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 14:10	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 14:10	104-51-8	W

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP14 (1-2')** Lab ID: 40209733014 Collected: 06/15/20 10:45 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:10	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:10	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:10	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 14:10	98-06-6	W
trans-1,2-Dichloroethene	84.8	ug/kg	76.4	28.5	1	06/19/20 09:30	06/22/20 14:10	156-60-5	
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 14:10	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	91	%	58-145		1	06/19/20 09:30	06/22/20 14:10	1868-53-7	
Toluene-d8 (S)	91	%	56-140		1	06/19/20 09:30	06/22/20 14:10	2037-26-5	
4-Bromofluorobenzene (S)	85	%	52-137		1	06/19/20 09:30	06/22/20 14:10	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87									
Pace Analytical Services - Green Bay									
Percent Moisture	12.3	%	0.10	0.10	1		06/22/20 16:14		

**Sample: GZA-GP15 (1-2')** Lab ID: 40209733015 Collected: 06/15/20 10:55 Received: 06/18/20 09:05 Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/22/20 14:33	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/22/20 14:33	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/22/20 14:33	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/22/20 14:33	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	106-46-7	W

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP15 (1-2')**      **Lab ID: 40209733015**      Collected: 06/15/20 10:55      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 14:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/22/20 14:33	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 14:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/22/20 14:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/22/20 14:33	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/22/20 14:33	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/22/20 14:33	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/22/20 14:33	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/22/20 14:33	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/22/20 14:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/22/20 14:33	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/22/20 14:33	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/22/20 14:33	127-18-4	W
Toluene	41.1J	ug/kg	73.5	30.6	1	06/19/20 09:30	06/22/20 14:33	108-88-3	
Trichloroethene	130	ug/kg	73.5	30.6	1	06/19/20 09:30	06/22/20 14:33	79-01-6	
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	75-01-4	W
cis-1,2-Dichloroethene	221	ug/kg	73.5	30.6	1	06/19/20 09:30	06/22/20 14:33	156-59-2	
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/22/20 14:33	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/22/20 14:33	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/22/20 14:33	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/22/20 14:33	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:33	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/22/20 14:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/22/20 14:33	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/22/20 14:33	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/22/20 14:33	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	93	%	58-145		1	06/19/20 09:30	06/22/20 14:33	1868-53-7	
Toluene-d8 (S)	96	%	56-140		1	06/19/20 09:30	06/22/20 14:33	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

**Sample: GZA-GP15 (1-2')**      **Lab ID: 40209733015**      Collected: 06/15/20 10:55      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	93	%	52-137		1	06/19/20 09:30	06/22/20 14:33	460-00-4	
<b>Percent Moisture</b>									
Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	<b>18.4</b>	%	0.10	0.10	1		06/22/20 16:14		

**Sample: TRIP BLANK**      **Lab ID: 40209733016**      Collected: 06/15/20 00:00      Received: 06/18/20 09:05      Matrix: Solid

*Results reported on a "wet-weight" basis*

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260    Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	563-58-6	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	06/19/20 09:30	06/19/20 12:46	87-61-6	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	06/19/20 09:30	06/19/20 12:46	96-18-4	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	06/19/20 09:30	06/19/20 12:46	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	95-63-6	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	06/19/20 09:30	06/19/20 12:46	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 12:46	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	06/19/20 09:30	06/19/20 12:46	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 12:46	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	06/19/20 09:30	06/19/20 12:46	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	06/19/20 09:30	06/19/20 12:46	74-83-9	W

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### ANALYTICAL RESULTS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

Sample: **TRIP BLANK** Lab ID: **40209733016** Collected: 06/15/20 00:00 Received: 06/18/20 09:05 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Med Level Normal List</b>									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	06/19/20 09:30	06/19/20 12:46	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	06/19/20 09:30	06/19/20 12:46	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	06/19/20 09:30	06/19/20 12:46	74-87-3	W
Dibromochloromethane	<229	ug/kg	763	229	1	06/19/20 09:30	06/19/20 12:46	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	06/19/20 09:30	06/19/20 12:46	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	1634-04-4	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	06/19/20 09:30	06/19/20 12:46	75-09-2	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	06/19/20 09:30	06/19/20 12:46	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	100-42-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	06/19/20 09:30	06/19/20 12:46	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	156-59-2	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	06/19/20 09:30	06/19/20 12:46	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	06/19/20 09:30	06/19/20 12:46	179601-23-1	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	06/19/20 09:30	06/19/20 12:46	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	06/19/20 09:30	06/19/20 12:46	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:46	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	06/19/20 09:30	06/19/20 12:46	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	06/19/20 09:30	06/19/20 12:46	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	06/19/20 09:30	06/19/20 12:46	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	06/19/20 09:30	06/19/20 12:46	10061-02-6	W
<b>Surrogates</b>									
Dibromofluoromethane (S)	95	%	58-145		1	06/19/20 09:30	06/19/20 12:46	1868-53-7	
Toluene-d8 (S)	95	%	56-140		1	06/19/20 09:30	06/19/20 12:46	2037-26-5	
4-Bromofluorobenzene (S)	93	%	52-137		1	06/19/20 09:30	06/19/20 12:46	460-00-4	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

METHOD BLANK: 2071772

Matrix: Solid

Associated Lab Samples: 40209733001, 40209733002, 40209733003, 40209733004, 40209733005, 40209733006, 40209733007, 40209733008, 40209733009, 40209733010, 40209733011, 40209733012, 40209733013, 40209733014, 40209733015, 40209733016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<17.7	59.0	06/19/20 09:55	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	06/19/20 09:55	
Diisopropyl ether	ug/kg	<14.0	50.0	06/19/20 09:55	
Ethylbenzene	ug/kg	<14.5	50.0	06/19/20 09:55	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	06/19/20 09:55	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	06/19/20 09:55	
m&p-Xylene	ug/kg	<32.4	108	06/19/20 09:55	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	06/19/20 09:55	
Methylene Chloride	ug/kg	<26.3	88.0	06/19/20 09:55	
n-Butylbenzene	ug/kg	<30.0	100	06/19/20 09:55	
n-Propylbenzene	ug/kg	<17.8	59.0	06/19/20 09:55	
Naphthalene	ug/kg	<27.3	91.0	06/19/20 09:55	
o-Xylene	ug/kg	<18.1	60.0	06/19/20 09:55	
p-Isopropyltoluene	ug/kg	<21.7	72.0	06/19/20 09:55	
sec-Butylbenzene	ug/kg	<21.5	72.0	06/19/20 09:55	
Styrene	ug/kg	<12.3	50.0	06/19/20 09:55	
tert-Butylbenzene	ug/kg	<18.7	62.0	06/19/20 09:55	
Tetrachloroethene	ug/kg	<38.7	129	06/19/20 09:55	
Toluene	ug/kg	<13.1	50.0	06/19/20 09:55	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	06/19/20 09:55	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	06/19/20 09:55	
Trichloroethene	ug/kg	<12.8	50.0	06/19/20 09:55	
Trichlorofluoromethane	ug/kg	<19.6	65.0	06/19/20 09:55	
Vinyl chloride	ug/kg	<14.5	50.0	06/19/20 09:55	
4-Bromofluorobenzene (S)	%	97	52-137	06/19/20 09:55	
Dibromofluoromethane (S)	%	97	58-145	06/19/20 09:55	
Toluene-d8 (S)	%	100	56-140	06/19/20 09:55	

LABORATORY CONTROL SAMPLE: 2071773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2530	101	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2450	98	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2370	95	70-130	
1,1-Dichloroethane	ug/kg	2500	2510	100	69-143	
1,1-Dichloroethene	ug/kg	2500	2450	98	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2440	98	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2100	84	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2430	97	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2470	99	70-130	
1,2-Dichloroethane	ug/kg	2500	2340	94	70-130	
1,2-Dichloropropane	ug/kg	2500	2440	98	78-126	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

LABORATORY CONTROL SAMPLE: 2071773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/kg	2500	2460	98	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2500	100	70-130	
Benzene	ug/kg	2500	2610	104	70-130	
Bromodichloromethane	ug/kg	2500	2390	96	70-130	
Bromoform	ug/kg	2500	2120	85	67-130	
Bromomethane	ug/kg	2500	2110	84	45-134	
Carbon tetrachloride	ug/kg	2500	2340	93	70-130	
Chlorobenzene	ug/kg	2500	2410	96	70-130	
Chloroethane	ug/kg	2500	2300	92	58-143	
Chloroform	ug/kg	2500	2490	100	76-122	
Chloromethane	ug/kg	2500	2000	80	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2460	99	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2250	90	70-130	
Dibromochloromethane	ug/kg	2500	2190	87	70-130	
Dichlorodifluoromethane	ug/kg	2500	1530	61	26-99	
Ethylbenzene	ug/kg	2500	2530	101	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2570	103	70-130	
m&p-Xylene	ug/kg	5000	5110	102	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	96	70-130	
Methylene Chloride	ug/kg	2500	2380	95	70-130	
o-Xylene	ug/kg	2500	2540	102	70-130	
Styrene	ug/kg	2500	2570	103	70-130	
Tetrachloroethene	ug/kg	2500	2620	105	70-130	
Toluene	ug/kg	2500	2560	102	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2520	101	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2240	89	70-130	
Trichloroethene	ug/kg	2500	2490	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2350	94	70-128	
Vinyl chloride	ug/kg	2500	2230	89	53-110	
4-Bromofluorobenzene (S)	%			89	52-137	
Dibromofluoromethane (S)	%			90	58-145	
Toluene-d8 (S)	%			92	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2071774 2071775

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40209733005 Result	Spike Conc.	Spike Conc.	MS Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1420	1420	1450	1390	102	98	66-130	4	20		
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1420	1420	1570	1500	111	106	70-133	4	20		
1,1,2-Trichloroethane	ug/kg	<25.0	1420	1420	1420	1420	100	100	70-130	0	20		
1,1-Dichloroethane	ug/kg	<25.0	1420	1420	1420	1380	100	97	69-143	3	20		
1,1-Dichloroethene	ug/kg	<25.0	1420	1420	1230	1200	85	83	58-120	2	20		
1,2,4-Trichlorobenzene	ug/kg	<41.7	1420	1420	1710	1590	119	111	60-130	7	20		
1,2-Dibromo-3-chloropropane	ug/kg	<237	1420	1420	1380	1400	97	99	59-136	1	20		

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### QUALITY CONTROL DATA

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

Parameter	Units	2071774		2071775		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		40209733005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1420	1420	1470	1420	103	100	70-130	3	20		
1,2-Dichlorobenzene	ug/kg	<25.0	1420	1420	1610	1560	113	110	70-130	3	20		
1,2-Dichloroethane	ug/kg	<25.0	1420	1420	1400	1300	98	92	70-136	7	20		
1,2-Dichloropropane	ug/kg	<25.0	1420	1420	1420	1440	100	101	78-128	1	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1420	1420	1540	1520	109	107	70-130	1	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1420	1420	1580	1560	111	110	70-130	1	20		
Benzene	ug/kg	<25.0	1420	1420	1500	1490	106	105	70-130	1	20		
Bromodichloromethane	ug/kg	<25.0	1420	1420	1340	1390	95	98	70-130	3	20		
Bromoform	ug/kg	<25.0	1420	1420	1360	1330	96	93	63-130	3	20		
Bromomethane	ug/kg	<63.8	1420	1420	1040	932	73	66	33-146	11	20		
Carbon tetrachloride	ug/kg	<25.0	1420	1420	1340	1340	94	94	65-130	0	20		
Chlorobenzene	ug/kg	<25.0	1420	1420	1460	1440	103	101	70-130	2	20		
Chloroethane	ug/kg	<46.4	1420	1420	1130	1100	79	77	46-156	3	20		
Chloroform	ug/kg	<47.5	1420	1420	1540	1470	108	104	75-130	4	20		
Chloromethane	ug/kg	<25.0	1420	1420	848	827	60	58	20-139	3	20		
cis-1,3-Dichloropropene	ug/kg	<42.3	1420	1420	1340	1350	94	95	70-130	1	20		
Dibromochloromethane	ug/kg	<229	1420	1420	1350	1330	95	94	70-130	1	20		
Dichlorodifluoromethane	ug/kg	<25.0	1420	1420	635	612	45	43	10-99	4	22		
Ethylbenzene	ug/kg	<25.0	1420	1420	1480	1460	104	102	80-120	2	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1420	1420	1510	1480	106	104	70-130	2	20		
m&p-Xylene	ug/kg	<50.0	2840	2840	3070	3000	108	105	70-130	2	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1420	1420	1390	1290	98	91	70-130	7	20		
Methylene Chloride	ug/kg	<26.3	1420	1420	1320	1280	93	90	70-136	3	20		
o-Xylene	ug/kg	<25.0	1420	1420	1490	1490	105	105	70-130	0	20		
Styrene	ug/kg	<25.0	1420	1420	1500	1520	105	107	70-130	1	20		
Tetrachloroethene	ug/kg	<38.7	1420	1420	1530	1540	108	108	68-130	0	20		
Toluene	ug/kg	<25.0	1420	1420	1510	1500	107	105	80-120	1	20		
trans-1,2-Dichloroethene	ug/kg	300	1420	1420	1690	1600	98	92	70-130	5	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1420	1420	1360	1330	96	93	70-130	3	20		
Trichlorofluoromethane	ug/kg	<25.0	1420	1420	1270	1220	89	86	53-128	4	20		
Vinyl chloride	ug/kg	297	1420	1420	1350	1260	74	67	32-118	7	20		
4-Bromofluorobenzene (S)	%						107	107	52-137				
Dibromofluoromethane (S)	%						110	107	58-145				
Toluene-d8 (S)	%						109	109	56-140				

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 20.0156038.10 CLARE CENTRAL

Pace Project No.: 40209733

QC Batch: 358342

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40209733001, 40209733002, 40209733003, 40209733004, 40209733005, 40209733006, 40209733007, 40209733008, 40209733009, 40209733010, 40209733011, 40209733012, 40209733013, 40209733014, 40209733015

SAMPLE DUPLICATE: 2072784

Parameter	Units	40209734001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.9	9.5	4	10	

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## QUALIFIERS

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

W Non-detect results are reported on a wet weight basis.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 20.0156038.10 CLARE CENTRAL  
Pace Project No.: 40209733

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40209733001	GZA-GP2 (3-4')	EPA 5035/5030B	358157	EPA 8260	358161
40209733002	GZA-GP1 (2-3')	EPA 5035/5030B	358157	EPA 8260	358161
40209733003	GZA-GP4 (1-2')	EPA 5035/5030B	358157	EPA 8260	358161
40209733004	GZA-GP5 (2-3')	EPA 5035/5030B	358157	EPA 8260	358161
40209733005	GZA-GP3 (2-3')	EPA 5035/5030B	358157	EPA 8260	358161
40209733006	GZA-GP6 (1-2')	EPA 5035/5030B	358157	EPA 8260	358161
40209733007	GZA-GP7 (3-4')	EPA 5035/5030B	358157	EPA 8260	358161
40209733008	GZA-GP8 (3-4')	EPA 5035/5030B	358157	EPA 8260	358161
40209733009	GZA-GP9 (3-4')	EPA 5035/5030B	358157	EPA 8260	358161
40209733010	GZA-GP10 (0-1')	EPA 5035/5030B	358157	EPA 8260	358161
40209733011	GZA-GP11 (1-2')	EPA 5035/5030B	358157	EPA 8260	358161
40209733012	GZA-GP12 (3-4')	EPA 5035/5030B	358157	EPA 8260	358161
40209733013	GZA-GP13 (3-4')	EPA 5035/5030B	358157	EPA 8260	358161
40209733014	GZA-GP14 (1-2')	EPA 5035/5030B	358157	EPA 8260	358161
40209733015	GZA-GP15 (1-2')	EPA 5035/5030B	358157	EPA 8260	358161
40209733016	TRIP BLANK	EPA 5035/5030B	358157	EPA 8260	358161
40209733001	GZA-GP2 (3-4')	ASTM D2974-87	358342		
40209733002	GZA-GP1 (2-3')	ASTM D2974-87	358342		
40209733003	GZA-GP4 (1-2')	ASTM D2974-87	358342		
40209733004	GZA-GP5 (2-3')	ASTM D2974-87	358342		
40209733005	GZA-GP3 (2-3')	ASTM D2974-87	358342		
40209733006	GZA-GP6 (1-2')	ASTM D2974-87	358342		
40209733007	GZA-GP7 (3-4')	ASTM D2974-87	358342		
40209733008	GZA-GP8 (3-4')	ASTM D2974-87	358342		
40209733009	GZA-GP9 (3-4')	ASTM D2974-87	358342		
40209733010	GZA-GP10 (0-1')	ASTM D2974-87	358342		
40209733011	GZA-GP11 (1-2')	ASTM D2974-87	358342		
40209733012	GZA-GP12 (3-4')	ASTM D2974-87	358342		
40209733013	GZA-GP13 (3-4')	ASTM D2974-87	358342		
40209733014	GZA-GP14 (1-2')	ASTM D2974-87	358342		
40209733015	GZA-GP15 (1-2')	ASTM D2974-87	358342		

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UPPER MIDWEST REGION  
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

# CHAIN OF CUSTODY

A=Ione B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH  
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

42059783

Company Name: **22A Greenview North**  
 Branch/Location: **Brookfield, WI**  
 Project Contact: **Heidi Wohlfert**  
 Phone: **262-754-2800**  
 Project Number: **200156038.10**  
 Project Name: **CLARE CENTER**  
 Project State: **WI**  
 Sampled By (Print): **C. Armstrong**  
 Sampled By (Sign): *[Signature]*  
 PO #: **Regulatory**

**Data Package Options**  
 EPA Level III  
 EPA Level IV  
 On your sample (billable)  
 NOT needed on your sample

**Matrix Codes**  
 A = Air B = Biele C = Charcoal O = Oil S = Soil SI = Sludge  
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	22A-GR2 (3-4')	9/19/05	8:30	S
002	22A-GR1 (2-3')	9/19/05	8:45	S
003	22A-GR4 (1-2')	9/19/05	8:55	S
004	22A-GR5 (2-3')	9/19/05	9:05	S
005	22A-GR3 (2-3')	9/19/05	9:15	S
006	22A-GR6 (1-2')	9/19/05	9:20	S
007	22A-GR7 (3-4')	9/19/05	9:30	S
008	22A-GR8 (3-4')	9/19/05	9:40	S
009	22A-GR9 (3-4')	9/19/05	9:50	S
010	22A-GR10 (6-1')	10/02/05	10:00	S
011	22A-GR11 (1-2')	10/15/05	10:15	S
012	22A-GR12 (3-4')	10/25/05	10:25	S
013	22A-GR13 (3-4')	10/25/05	10:35	S

FILTERED? (YES/NO)	PRESERVATION (CODE)*	Analyses Requested	
		V/I/N	Pick Letter
			F
			A
			VOC
			DRY WT

**Quote #:**  
**Mail To Contact:** Heidi Wohlfert  
**Mail To Company:** 22A Greenview North  
**Mail To Address:** 17475 W. SAEAN LAKE  
 BROOKFIELD, WI 53005  
**Invoice To Contact:** SARAH  
**Invoice To Company:**  
**Invoice To Address:**  
**Invoice To Phone:**  
**CLIENT COMMENTS**  
**LAB COMMENTS (Lab Use Only)**

**Rush Turnaround Time Requested - Prelims**  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:

**Relinquished By:** *[Signature]* Date/Time: 9/19/05  
**Relinquished By:** *[Signature]* Date/Time: 10/18/05  
**Relinquished By:** *[Signature]* Date/Time: 10/18/05  
**Relinquished By:** *[Signature]* Date/Time: 10/18/05  
**Relinquished By:** *[Signature]* Date/Time: 10/18/05  
**Relinquished By:** *[Signature]* Date/Time: 10/18/05

**Transmit Prelim Rush Results by (complete what you want):**  
 Email #1: *[Signature]* Date/Time: 10/18/05  
 Email #2: *[Signature]* Date/Time: 10/18/05  
 Telephone: *[Signature]* Date/Time: 10/18/05  
 Fax: *[Signature]* Date/Time: 10/18/05

**Special pricing and release of liability**  
 Samples on HOLD are subject to special pricing and release of liability

**COOLER CUSTODY SEAL**  
 Present / Not Present  
 Intact / Not Intact



(Please Print Clearly)

Company Name: **GA Building Maintenance Inc**  
 Branch/Location: **Brookfield, WI**  
 Project Contact: **Kevin Wolfert**  
 Phone: **262-754-2500**  
 Project Number: **20-05605610**  
 Project Name: **LAKE GENEVA**  
 Project State: **WI**  
 Sampled By (Print): **Alex Kingworth**  
 Sampled By (Sign): *[Signature]*  
 PO #:   
 Data Package Options (billable):  
 EPA Level III  On your sample (billable)  
 EPA Level IV  NCT needed on your sample  
 Matrix Codes:  
 A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe  
 Matrix: **W**  
 PAGE LAB # CLIENT FIELD ID  
**014** **GA-GR14 (1-21)**  
**015** **GA-GR15 (1-21)**  
**016** **Trip Blank ①**



# CHAIN OF CUSTODY

Preservation Codes:  
 A=None, B-HCl, C-H2SO4, D-HNO3, E-DI Water, F-Methanol, G-NaOH  
 H-Sodium Bisulfite Solution, I-Sodium Thiosulfate, J-Other

FILTERED? (YES/NO)  
 PRESERVATION (CODE)\*

### Analyses Requested

V/I N  
 Pick Letter  
**F A**  
**VOC**  
**DRY WT**

UPPER MIDWEST REGION  
 MN: 612-607-1700 WI: 920-469-2436

40009733

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Y/I	N	Pick Letter	Analysis	Date/Time	Received By	Date/Time	Mail To Contact	Mail To Company	Mail To Address	Invoice To Contact	Invoice To Company	Invoice To Address	Invoice To Phone	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
015	GA-GR15 (1-21)	6/19/20	1055	S	X		A	DRY WT	6/18/20	Kevin Wolfert	6/18/20	Kevin Wolfert	GA Building Maintenance Inc	1775 W. SHAW LANE	Kevin Wolfert	GA Building Maintenance Inc	1775 W. SHAW LANE	Brookfield, WI 53005	GA Building Maintenance Inc	1775 W. SHAW LANE	Brookfield, WI 53005
016	Trip Blank ①																				

Rush Turnaround Time Requested - Prelims  
 (Rush TAT subject to approval/surcharge)  
 Date Needed:  
 Transmit Prelim Rush Results by (complete what you want):  
 Email #1:  
 Email #2:  
 Telephone:  
 Fax:  
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: *[Signature]* Date/Time: **6/18/20**  
 Relinquished By: *[Signature]* Date/Time: **6/18/20**  
 Relinquished By: *[Signature]* Date/Time: **6/18/20**  
 Relinquished By: *[Signature]* Date/Time: **6/18/20**

Received By: *[Signature]* Date/Time: **6/18/20**  
 Received By: *[Signature]* Date/Time: **6/18/20**  
 Received By: *[Signature]* Date/Time: **6/18/20**  
 Received By: *[Signature]* Date/Time: **6/18/20**

Receipt Temp = **POI °C**  
 Sample Receipt pH  
 OK / Adjusted  
 Cooler Custody Seal  
 Present / Not Present  
 Intact / Not Intact  
 PAGE Project No. **40009733**

Client Name: GAZA

GAZA

### Sample Preservation Receipt Form

Project # 4009733

All containers needing preservation have been checked and noted below:  Yes  No  N/A

Lab Lot# of pH paper:

Lab Sid #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Analytical Services, LLC  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

Pace Lab #	Glass					Plastic				Vials				Jars			General		VOA Vials (>6mm) *					Volume (mL)										
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU		SP5T	ZPLC	GN	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted		
001																																		2.5/5/10
002																																		2.5/5/10
003																																		2.5/5/10
004																																		2.5/5/10
005																																		2.5/5/10
006																																		2.5/5/10
007																																		2.5/5/10
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017																																		2.5/5/10
018																																		2.5/5/10
019																																		2.5/5/10
020																																		2.5/5/10


Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: \_\_\_\_\_ Headspace in VOA Vials (<6mm):  Yes  No  N/A \*If yes look in headspace column

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascortic
DG9T	40 mL clear Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: 26Mar2020
	Document No.: <b>ENV-FRM-GBAY-0014-Rev.00</b>	Author: Pace Green Bay Quality Office

### Sample Condition Upon Receipt Form (SCUR)

**Client Name:** GZA **Project #:** WO# : 40209733  
**Courier:**  CS Logistics  Fed Ex  Speedee  UPS  **Waltco**  
 Client  Pace Other: \_\_\_\_\_  
**Tracking #:** \_\_\_\_\_  
**Custody Seal on Cooler/Box Present:**  yes  no **Seals intact:**  yes  no  
**Custody Seal on Samples Present:**  yes  no **Seals intact:**  yes  no  
**Packing Material:**  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_  
**Thermometer Used** SR - N/A **Type of Ice:**  Wet  Blue  Dry  None  Samples on ice, cooling process has begun  
**Cooler Temperature** Uncorr: ROI / Corr: \_\_\_\_\_  
**Temp Blank Present:**  yes  no **Biological Tissue is Frozen:**  yes  no

<b>Person examining contents:</b> Date: <u>6-18-20</u> / Initials: <u>SKW</u> Labeled By Initials: <u>MP</u>
--

Temp should be above freezing to 6°C.  
 Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
- Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
- Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
- Includes date/time/ID/Analysis Matrix: <u>S</u>		<u>002 - WAFU ID is GZA GP2 (23) time matched. 003 - VG9M ID is GZA GP2 (12) - time matched</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>B001501VB</u>		<u>In shipment Lab added to COC</u>

**Client Notification/ Resolution:** \_\_\_\_\_  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_



**ATTACHMENT 2**

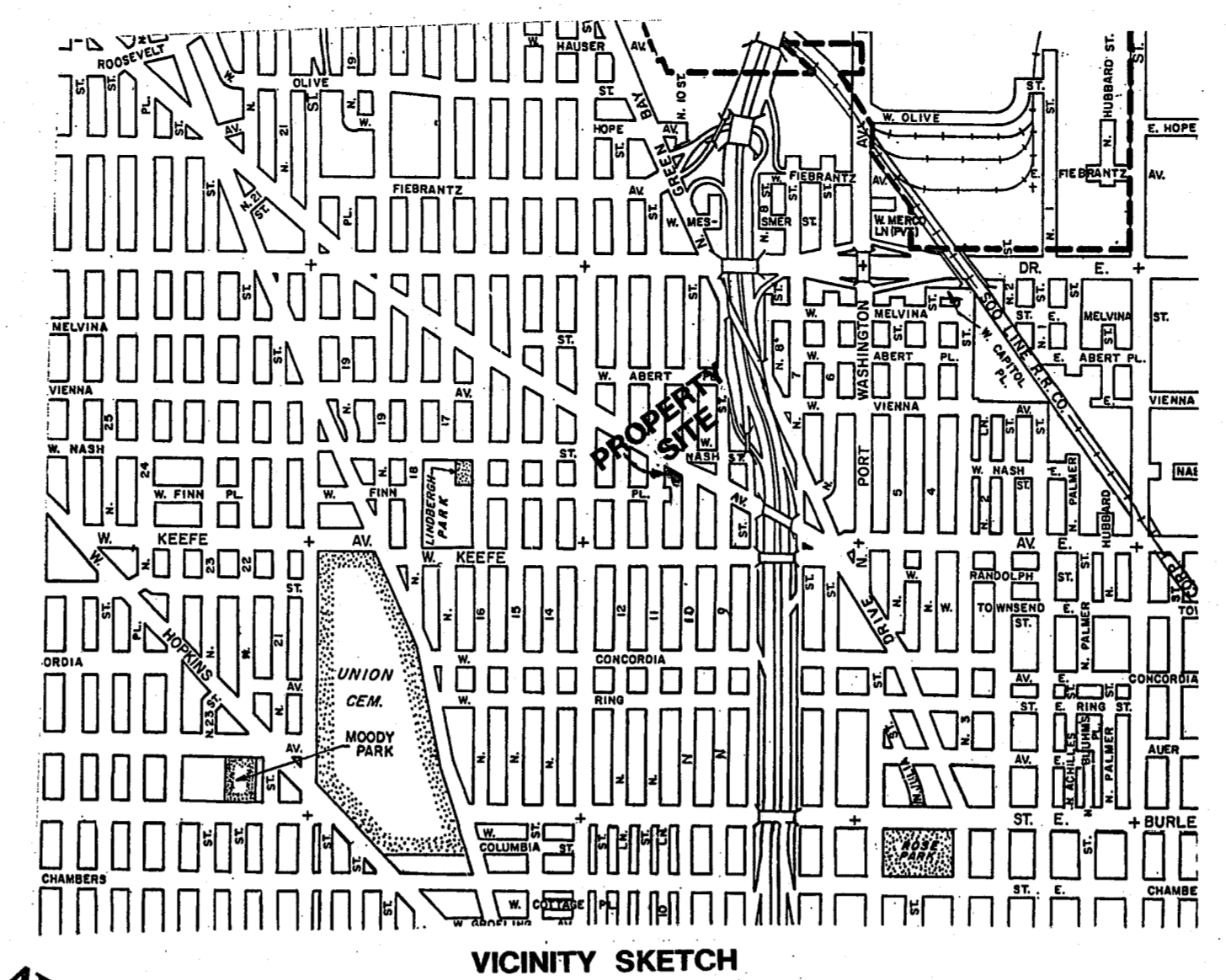
**Survey Map**

# ALTA/ACSM LAND TITLE SURVEY

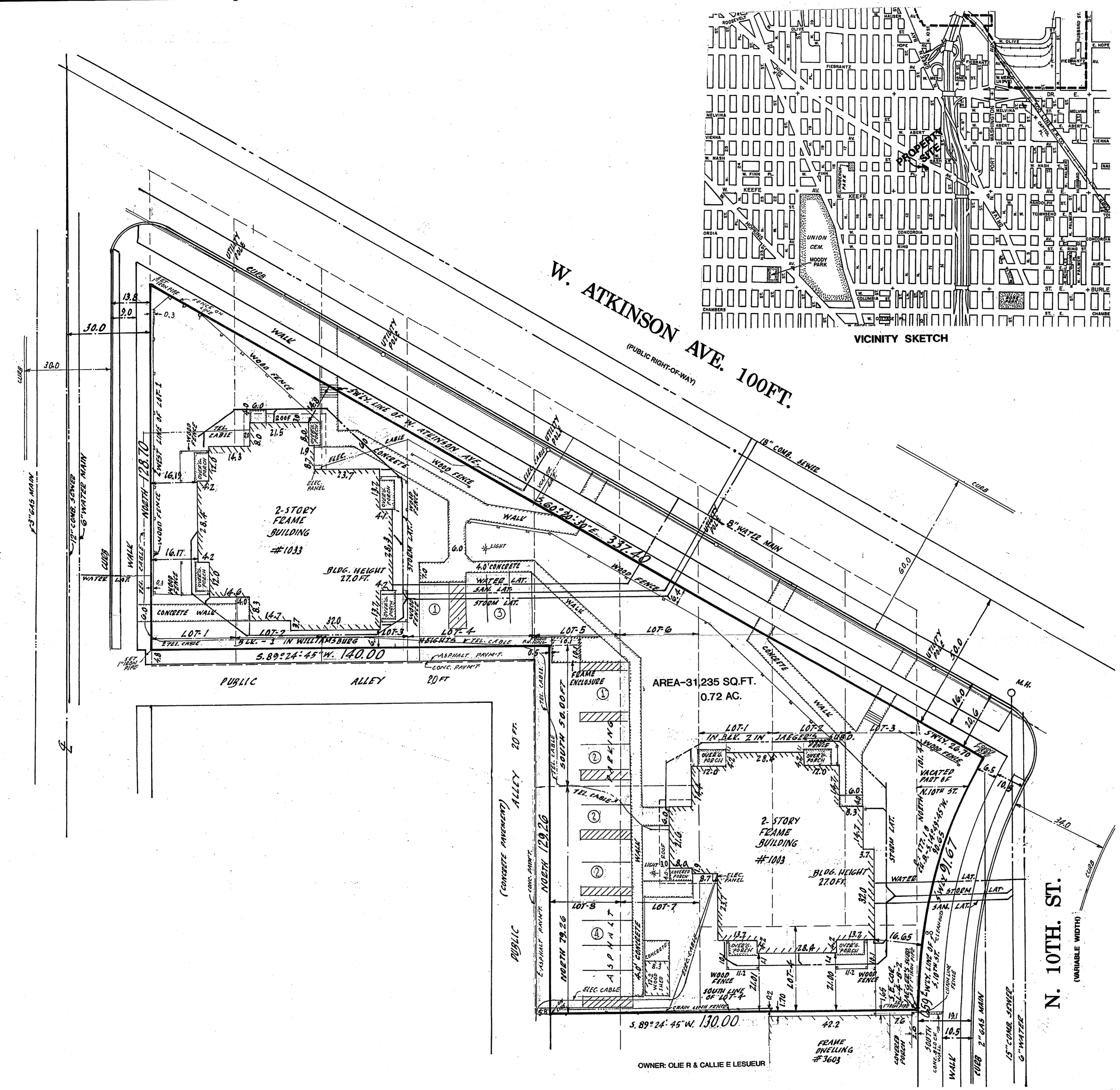
KNOWN AS 1003-1033 W. ATKINSON AVENUE, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

PARCEL D  
 PART OF LOTS 1 TO 8 INCLUSIVE, IN BLOCK 1, IN WILLIAMSBURG HEIGHTS, PART OF LOTS 1, 2, AND 3, ALL OF PART OF LOT 4, IN BLOCK 2, IN JAEGER'S SUBDIVISION, AND VACATED PART OF NORTH 10TH STREET, IN THE NORTHWEST ONE-QUARTER (1/4) OF SECTION EIGHT (8), TOWNSHIP SEVEN (7) NORTH, RANGE TWENTY-TWO (22) EAST, IN THE CITY OF MILWAUKEE, COUNTY OF MILWAUKEE, STATE OF WISCONSIN, MORE PARTICULARLY DESCRIBED AS FOLLOWS:  
 COMMENCING AT THE SOUTHEAST CORNER OF LOT 4 IN BLOCK 2 IN JAEGER'S SUBDIVISION; THENCE SOUTH 89°24'45" WEST ALONG THE SOUTH LINE OF LOT 4 IN BLOCK 2 IN JAEGER'S SUBDIVISION AND ITS WESTERLY EXTENSION 130.00 FEET TO A POINT; THENCE NORTH ON A LINE 129.26 FEET TO A POINT; THENCE SOUTH 89°24'45" WEST ON A LINE 140.00 FEET TO A POINT IN THE WEST LINE OF LOT 1, IN BLOCK 1 IN WILLIAMSBURG HEIGHTS; THENCE NORTH ALONG THE WEST LINE OF LOT 1, IN BLOCK 1, IN WILLIAMSBURG HEIGHTS 128.70 FEET TO A POINT IN THE SOUTHWESTERLY LINE OF WEST ATKINSON AVENUE; THENCE SOUTH 60°20'30" EAST ALONG THE SOUTHWESTERLY LINE OF SAID WEST ATKINSON AVENUE 337.40 FEET TO A POINT IN A CURVED LINE; THENCE SOUTHWESTERLY ALONG THE WESTERLY LINE OF NORTH 10TH STREET ON A CURVED LINE (WHOSE CENTER LIES TO THE SOUTHEAST, HAVING A RADIUS OF 177.10 FEET, WITH A CHORD OF 90.85 FEET, BEARING SOUTH 14°49'54" WEST) A DISTANCE OF 91.67 FEET TO A POINT OF TANGENCY; THENCE SOUTH ALONG THE WEST LINE OF SAID NORTH 10TH STREET 0.59 FEET TO THE POINT OF COMMENCEMENT.

MARCH 23, 2006 CLARE CENTRAL SURVEY NO. 144636-MS



N. 11TH. ST. 60FT.



N. 10TH. ST.  
 (VARIABLE WIDTH)

OWNER: OLIE R & CALLIE E LESUEUR

- BASIS OF BEARINGS**  
 BEARINGS ARE BASED ON THE EAST LINE OF NORTH 11TH STREET WHICH IS ASSUMED TO BEAR NORTH
- TITLE COMMITMENT**  
 THIS SURVEY WAS PREPARED BASED ON TICOR TITLE INSURANCE COMPANY TITLE COMMITMENT NO. ML 11649, EFFECTIVE DATE OF MARCH 8, 2006, WHICH LISTS THE FOLLOWING ITEMS FROM SCHEDULE B-II:  
 1-3Y. NOT SURVEY RELATED  
 3Z. A CERTIFIED COPY OF THE REDEVELOPMENT PROJECT AREA WITHIN THE BOUNDARY OF W. ATKINSON AVENUE AND N. 10TH STREET, AS APPROVED BY THE REDEVELOPMENT AUTHORITY OF THE CITY OF MILWAUKEE AS RECORDED ON JULY 21, 1975, REEL 865, IMAGES 2215 TO 2237 INCLUSIVE, AS DOCUMENT NO. 4931816. SAID PLAN CONSISTS OF A COMBINATION OF THE FOLLOWING ACTIVITIES: ACQUISITION, CLEARANCE, SALE AND REUSE OF PROPERTY, RELOCATION OF FAMILIES, INDIVIDUALS AND BUSINESS; VACATION AND DEDICATION OF PUBLIC RIGHTS-OF-WAY, PUBLIC WORKS, PRIVATE REHABILITATION AND CONTROL RESTRICTIONS. THE ABOVE-DESCRIBED PROPERTY IS WITHIN THE LIMITS OF SUCH PROJECT. AFFECTS SITE BY LOCATION - GENERAL IN NATURE, CANNOT BE PLOTTED  
 3AA-3BB. NOT SURVEY RELATED
- FLOOD NOTE**  
 ACCORDING TO FLOOD INSURANCE RATE MAP OF THE CITY OF MILWAUKEE, COMMUNITY PANEL NO. 550278 0012B, EFFECTIVE DATE OF NOVEMBER 19, 1987, THIS SITE FALLS IN ZONE C (AREAS OF MINIMAL FLOODING)
- PARKING SPACES**  
 THERE ARE 15 REGULAR STRIPED AND NO HANDICAPPED PARKING SPACES MARKED ON THIS SITE.
- NOTES**
  - THERE IS NO OBSERVABLE EVIDENCE OF EARTH MOVING, BUILDING CONSTRUCTION OR BUILDING ADDITIONS WITHIN RECENT MONTHS.
  - THERE ARE NO CHANGES IN STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED, AND AVAILABLE FROM THE CONTROLLING JURISDICTION. NO OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.
  - THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

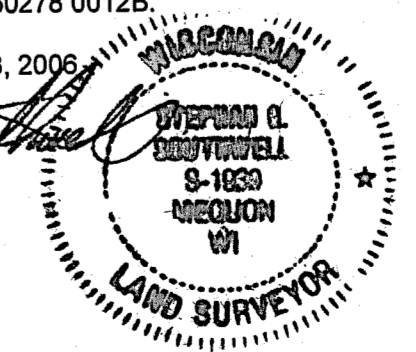
"I HEREBY CERTIFY TO THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD), CAPSTONE REALTY ADVISORS, LLC AND TICOR TITLE INSURANCE COMPANY AND TO THEIR SUCCESSORS AND ASSIGNS, THAT:

I MADE AN ON THE GROUND SURVEY PER RECORD DESCRIPTION OF THE LAND SHOWN HEREON LOCATED IN CITY OF MILWAUKEE ON MARCH 23, 2006, AND THAT IT AND THIS MAP WAS MADE IN ACCORDANCE WITH THE HUD SURVEY INSTRUCTIONS AND REPORT, FORM HUD-2457, AND THE REQUIREMENTS FOR AN URBAN SURVEY, AS DEFINED IN THE MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS DATED 2005.

TO THE BEST OF MY KNOWLEDGE, BELIEF AND INFORMATION, EXCEPT AS SHOWN HEREON: THERE ARE NO ENCROACHMENTS EITHER WAY ACROSS PROPERTY LINES; TITLE LINES AND LINES OF ACTUAL POSSESSION ARE THE SAME; AND THE PREMISES ARE FREE OF ANY 100/500 YEAR RETURN FREQUENCY FLOOD HAZARD, AND SUCH FLOOD FREE CONDITION IS SHOWN ON THE FEDERAL FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 550278 0012B.

DATE OF SURVEY: MARCH 23, 2006

STEPHAN G. SOUTHWELL  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. S-1939



THE UNDERGROUND UTILITY INFORMATION AS SHOWN HEREON IS BASED, IN PART, UPON INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED NOR CERTIFIED TO.  
 (P) INDICATES PIPE SIZES PER RECORD PLANS. OTHER PIPE SIZES ARE ESTIMATED. NO PIPE SIZES SHOULD BE RELIED UPON WITHOUT FURTHER VERIFICATION.

SCALE: 1"=20'

**National Survey & Engineering**  
 A Division of R.A. Smith & Associates, Inc.

262-781-1000  
 Fax 262-797-7373  
 16745 W. Bluemound Road  
 Suite 200  
 Brookfield, WI 53005-5938  
 www.nsaec.com  
 144636AS101D20MS

National Survey & Engineering

1003-1033 W. Atkinson Ave

7-22-8-2-0027