



**Scope of Work:**

Access sanitary sewer manhole locations along W. Greenfield Avenue and S 95<sup>th</sup> Street. Place passive vapor sampling devices within. No personnel will enter the manholes. Manholes will be opened for approximately 3-5 minutes. Return approx. one week later to retrieve samplers.

Complete passive soil gas sampling in public rights-of-way near the Badger Lease and Auto Sales site. Work will not be completed in the roadway for safety.

Complete sub-slab vapor and indoor air sampling within residential buildings on S. 95<sup>th</sup> and S. 96<sup>th</sup> Street.

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**Job Task Safety Analysis: (choose the tasks to be performed on-site)**

✓	Job Task Step	Potential Environmental and Personnel Hazards	Critical Actions	PPE Required
<input type="checkbox"/>	Calibrate monitoring equipment (i.e. GEM, PID)	Flammable/toxic calibration gas	Avoid any ignition sources  Calibrate equipment per the manufacturer's recommendations and in a properly ventilated location	Head: None Body: None Foot: None Hand: Nitrile gloves Respiratory: None Hearing: none Eye/Face: None
<input type="checkbox"/>	Demarcate Boring Locations/ Locate utilities/ boring clearance	Slip/trip, vehicular traffic	Be aware of surroundings	Head: None Body: Hi-vis Safety vest Foot: None Hand: None Respiratory: None Hearing: None Eye/Face: None
<input checked="" type="checkbox"/>	Unpack lab equipment, check inventory, review laboratory instructions.	Sample bottles may contain acid preservative.  Any free liquid encountered in a cooler should be considered to be an acid.	Check for leaking containers	Head: None Body: None Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Goggles
<input type="checkbox"/>	Drill borings (hand probe or geoprobe)	Moving machinery, noise, flying particulates, organic vapors, overhead power lines, vehicular traffic	Be aware of machinery, stay in operator's view  PID air monitoring every 15 minutes if VOCs anticipated  Stay upwind of work area  Do not wear loose clothing	Head: Hardhat Body: Hi-vis Safety vest Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: Ear Plugs Eye/Face: Safety Goggles

**HEALTH & SAFETY CHECKLIST- Job No. 2522269.04**

✓	Job Task Step	Potential Environmental and Personnel Hazards	Critical Actions	PPE Required
<input checked="" type="checkbox"/>	Drilling borings (hand drill – for passive soil vapor sampling)	Moving machinery, noise, flying particulates, organic vapors, overhead power lines, vehicular traffic, material handling, ergonomic hazards	Limit repetitive motion activities  Do not wear loose clothing  PID air monitoring every 15 minutes if VOCs anticipated  Stay upwind of work area  Maintain proper posture and utilize appropriate lifting techniques	Head: Hardhat Body: Hi-vis Safety vest Foot: Steel-toe boots Hand: Nitrile gloves, outer leather gloves Respiratory: None Hearing: Ear Plugs Eye/Face: Safety Goggles
<input type="checkbox"/>	Soil Sampling (during drilling)	Moving machinery, noise, flying particulates, organic vapors, vehicular traffic	Be aware of heavy machinery, stay in operator’s view  Do not wear loose clothing	Head: Hardhat Body: Hi-vis Safety vest Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: Ear Plugs Eye/Face: Safety Goggles
<input type="checkbox"/>	Soil vapor sampling from temporary wells	Organic vapors, vehicular traffic	Stay upwind of work area	Head: Hardhat Body: Hi-vis Safety vest Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Goggles
<input type="checkbox"/>	Groundwater sampling from temporary wells	Organic vapors, chemical exposure, direct contact with organic-containing liquid, splash hazard, vehicular traffic, material handling, ergonomic hazards	Be aware of surroundings  Ensure all down-hole equipment is clean before and after use.  Hold liquid level equipment close to body, not at arms length.  Seal sample containers immediately and store properly.	Head: Hardhat Body: Hi-vis Safety vest Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Goggles
<input type="checkbox"/>	Backfill and patch borings	Slip/trip, vehicular traffic, splash hazard	Be aware of surroundings	Head: Hardhat Body: Hi-vis Safety vest Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Goggles

**HEALTH & SAFETY CHECKLIST- Job No. 2522269.04**

✓	Job Task Step	Potential Environmental and Personnel Hazards	Critical Actions	PPE Required
<input type="checkbox"/>	Groundwater or Soil Vapor Sampling from permanent wells	Spiders, slip/trip, chemical exposure, direct contact with organic-containing liquid, splash hazard, overextension, pinch	Be aware of surroundings Stay upwind of work area Avoid spider webs and avoid sticking hands into dark / blind spaces. Maintain proper posture and utilize appropriate lifting techniques Hold liquid level equipment close to body, not at arms length. Ensure all down-hole equipment is clean before and after use. Seal sample containers immediately and label/store properly.	Head: Hardhat Body: Hi-vis Safety vest Foot: Safety-toe boots Hand: Nitrile gloves Respiratory: None Hearing: None Eye/Face: Safety Goggles

**Other Possible Site Hazards:**

Substances Involved (Chemical name)	PEL	IDLH	On Site Concentrations (if known)	Primary Hazards (e.g. toxic on e.g. toxic on inhalation)
CVOCs				Inhalation – take caution near manholes. Not expected to be hazardous.
Other Hazards*			On Site Conditions	Preventative Measures
Vehicle Traffic			Work in the roadway	Lanes will be closed and traffic control implemented. Second staff member to monitor traffic.

\*e.g. recommend for four-wheel-drive vehicle, heavy equipment, unsafe neighborhood, excavations, construction area

- **Weather Conditions?**       Hot (+85°F)     Cold (-32°F, consider wind chill)     Temperate

**Equipment:**

Monitoring Equipment/Personal Protective Equipment not detailed above:

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Emergency Equipment, other than Basic First Aid Kit:

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**Additional Information:**

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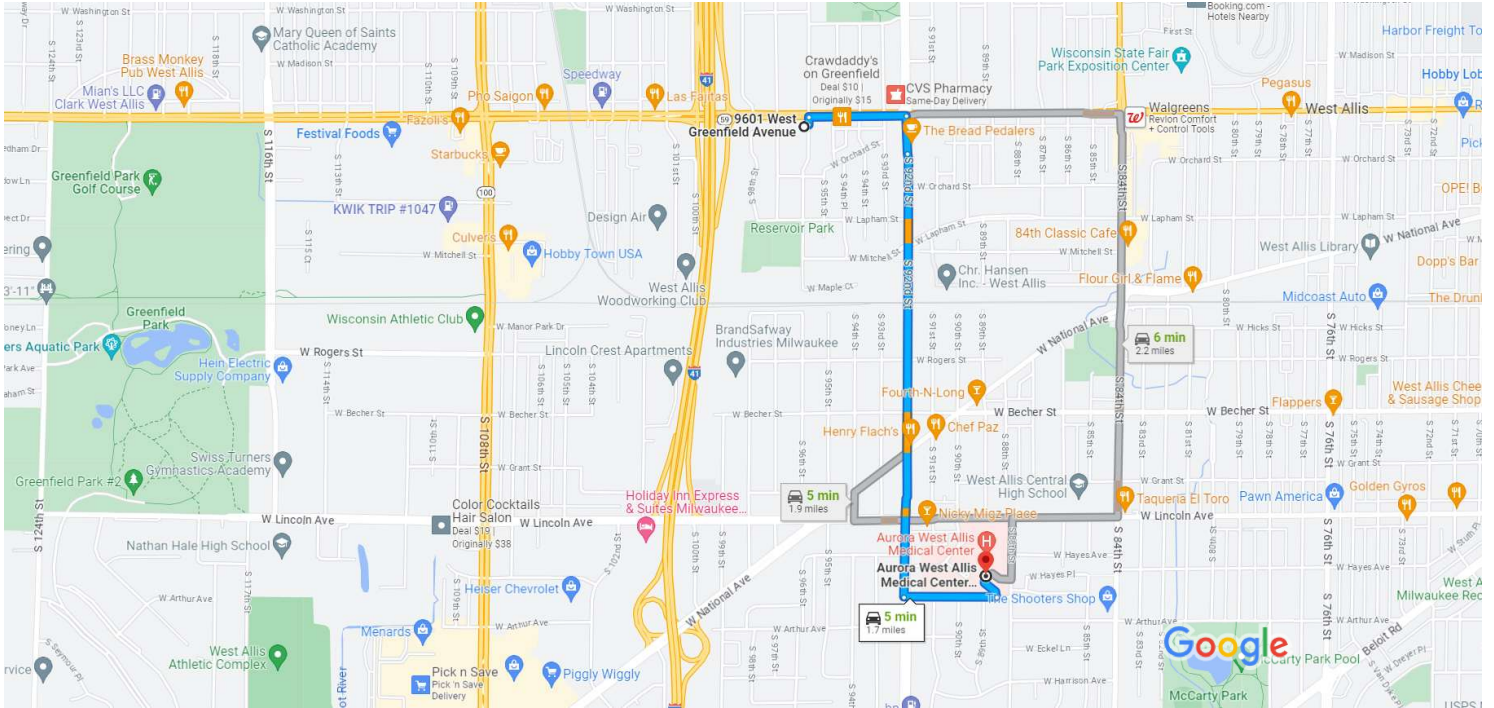
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Completed by: Jacob Krause Date: 7/17/2023


Approved by: Robert Langdon Date: 7/18/2023  
Project Director or Manager


9601 W Greenfield Ave, West Allis, WI 53214 to Aurora Drive 1.7 miles, 5 min  
West Allis Medical Center Emergency Room, 8901 W Lincoln Ave, West Allis, WI 53227

Badger Lease and Auto Sales H&S Plan Hospital Route



Map data ©2023 1000 ft

 via S 92nd St **5 min**  
Fastest route now due to traffic conditions 1.7 miles

 via S 92nd St and W Lincoln Ave **5 min**  
1.9 miles

 via W Greenfield Ave and S 84th St **6 min**  
2.2 miles

### Explore nearby Aurora West Allis Medical Center Emergency Room

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