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QUARTERLY GROUNDWATER AND SOIL VAPOR MONITORING/SAMPLING REPORT (4TH QUARTER) and SITE ENVIRONMENTAL CONDITION SUMMARY AND ASSESSMENT

Prepared For Westwood Cleaners (WDNR BRRTS#02-41-552537) 8731 West North Avenue Wauwatosa, Wisconsin 53226

July 2, 2021



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July 2, 2021

Jennifer Dorman, Environmental Program Associate Wisconsin Department of Natural Resources 2300 Martin Luther King Drive Milwaukee, WI 53212

Re: WDNR BRRTS #02-41-552537 Westwood Dry Cleaners 8731 W. North Ave Wauwatosa, WI 53226

Dear Ms. Dorman:

Hydrodynamics Consultants, Inc. (HDC) is pleased to submit this quarterly groundwater and vapor monitoring report (4th Sampling) for your review and approval.

Based on the existing site investigation results and the groundwater/vapor monitoring report (updated with the recent 4th Sampling), Hydrodynamics Consultants, Inc. believes the concentrations of the released drycleaning solvent, tetrachloroethylene (PCE) and its degraded compounds (such as trichloroethylene -TCE, cis-1,2/transdichloroethylene - DCE, and vinyl chloride - VC), have been stable or decreasing, with no apparent migration away from the current locations. The contaminants found in the soil, groundwater, and soil vapor would not impact the environment or human health and safety if they are properly managed. To minimize the risks, HDC proposes to (1) use the building foundation/concrete floor inside the drycleaning plant as an engineered barrier (cap) to exclude direct soil contact exposure, (2) install, operate, and maintain a soil vapor mitigation system (sub-slab depressurization system) to mitigate the vapor intrusion risks, and (3) use groundwater usage restrictions in the potentially groundwater impact areas to exclude the groundwater exposure pathways. The site may be closed with the conditions included in the Geographic Information System (GIS) Registry.

To pursue the conditional site closure, HDC recommends installation of the soil vapor mitigation system proposed in this report in the areas where soil VOC exceedances were reported. Upon the DNR's review and approval of this report, a Workplan for the site closure including the soil gas mitigation system will be prepared and submitted to the DNR for review and approval.

Certifications

I, Mike (Minghua) Wan, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in Wis. Adm. Code."

Mike (Minghua) Wan, PE Maple Testing Services, Inc. D/B/A Hydrodynamics Consultants, Inc. Mike_Wan@HydrodynamicsConsultants.com



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1.0 EXECUTIVE SUMMARY

Hydrodynamics Consultants, Inc. (HDC) has been retained by the owner to complete this additional site investigation at and around the Westwood Cleaners site, located at 8371 West North Ave. Wauwatosa, WI 53226.

In August 19, 2008, HDC performed limited soil boring and testing at the subject property. Four (4) soil borings were advanced to a depth of 16' deep each, and two soil samples were collected from each boring for laboratory analysis of chlorinated volatile organic compounds (cVOCs). The analytical results indicated up to 320,000 ug/Kg of tetrachloroethene (PCE or perc) and up to 3,970 ug/Kg of trichloroethene (TCE) were present in the samples at the site.

Based on the findings, HDC submitted a Site Investigation Work Plan (SIWP). On July 31, 2018, the WDNR received HDC's revised SIWP and approved it on August 7, 2018.

From September 16 to 19, 2018, HDC performed a Site Investigation (SI) at this site. Twelve new soil borings (NSB1-NSB12) were completed to a depth of 16' each. Three representative soil samples were collected from each boring. Low levels of PCE, TCE, and vinyl chloride (VC) were detected from these borings. Six of the soil borings were converted to monitoring wells (MW1 to MW6). These wells were 1"- to 2"-diameter PVC wells constructed to a depth approximately 15' below the ground surface. Five sub-slab soil vapor ports (SV1 - SV5) were installed at this site. One soil vapor sample was collected from each of these ports during the site investigation. Up to 1,200 ug/m³ of PCE and 100 ug/m³ of TCE were found in the soil vapor samples. The highest level of PCE was found in the basement of the adjoining restaurant building at SV2.

From September 19, 2018 to July 13, 2019, groundwater samples were collected from all of the existing monitoring wells on a quarterly basis for a period of one year. The quarterly groundwater sampling results confirmed that up to 4,300 ug/L of PCE, 120 ug/L of TCE, 23 ug/L of cis-1,2-dichloroethene (cDCE), and 20 ug/L of VC were present in MW2, MW5, and MW6. The groundwater table depth is about 7.81' to 10.06' below the groundwater surface. The concentrations of the cVOCs were stable or decreasing.

Since VOC concentrations in groundwater monitoring well MW2, installed near the property line, contained 53 ug/L of PCE in the last monitoring event dated July 13, 2019, further groundwater-impact extent evaluation to the south and southwest of the property was proposed by HDC. The WDNR approved HDC's Change Order #1, Additional Site Investigation Work Plan on February 3, 2020. The Change Order #1 included installation of 3 additional soil borings, 3 monitoring wells, and to complete quarterly soil vapor and groundwater monitoring for a period of one year.

From July 28, 2020 to August 10, 2020, HDC completed the additional site investigation and the first quarterly soil vapor and groundwater sampling at this site.



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On December 8, 2020, HDC preformed the 2nd quarterly sampling at the subject property. The second quarterly sampling event included collecting samples from all the existing monitoring wells (MW1 to MW9) and sub-slab vapor sampling ports (SV1 to SV7).

HDC preformed the 3rd quarterly sampling, on March 26, 2021 at the subject property. The third quarterly sampling event included collecting samples from all the existing monitoring wells (MW1 to MW9) and sub-slab vapor sampling ports (SV1 to SV7).

The 4th quarterly sampling was preformed on June 16, 2021. The fourth quarterly sampling event included collecting samples from all the existing monitoring wells (MW1 to MW9) and sub-slab vapor sampling ports (SV1 to SV7).

This report will summarize the 4th quarterly soil vapor and groundwater sampling results. The previous site investigation and monitoring results are incorporated in this report, especially in the figures. For details of the previous results, please refer to previous reports filed with the Wisconsin DNR.

Based on existing site investigation results and the groundwater/vapor monitoring report (updated with the 4th Sampling), Hydrodynamics Consultants, Inc. believes the concentrations of the released drycleaning solvent, tetrachloroethylene (PCE) and its degraded compounds (such as trichloroethylene -TCE, cis-1,2/trans- dichloroethylene - DCE, and vinyl chloride - VC) have been decreasing or stable, without any sign of impact to the environment or human health and safety. No apparent contaminant migration has been monitored, either. HDC requests that the WDNR consider this case for conditional closure, with the following conditions:

- 1. Groundwater contamination remains at this site, including the subject property at 8735 W. North Avenue, and potentially the adjoining property to the east at 8725 W. North Avenue, and the public alley to the south of the above two properties (See Groundwater Usage Restriction Area in Figure 6). Groundwater well installation or extraction from these properties should be prohibited.
- 2. Residual soil contamination exists that must be properly managed should it be excavated or removed. The existing building concrete floor and foundation must be maintained over the contaminated area as an engineered barrier to prevent any soil contact. The DNR must be notified to approve any change to this barrier. The 40' by 35' Engineered Barrier (cap) Area is illustrated in Figure 6.
- 3. The sub-slab soil vapor contamination is present under the drycleaning plant area. The proposed soil vapor mitigation system, which is a sub-slab depressurization system, must be properly installed to mitigate any indoor vapor intrusion risks. The vapor mitigation system, upon installation, must be kept operational and properly maintained. The sub-slab depressurization system should cover the same 40' by 35' Engineered Barrier Area as illustrated in Figure 6.
- 4. Upon the DNR's approval of the conditional case closure for this site, the monitoring wells and the soil vapor sampling ports should be properly plugged and the surface be restored.
- 5. The site should be included in the Geographic Information System (GIS) Registry upon closure.



2.0 INTRODUCTION

2.1 Location and Project Information

1. Site Owner:

Dong Sin 8371 West North Avenue Wauwatosa, WI 53226

2. Site Address:

8371 West North Avenue Wauwatosa, WI 53226

- 3. Site Location (Figure 1): NE ¼ of the NW ¼ of Section 21, T07N, R21E, Milwaukee County, Wisconsin.
- 4. Environmental Consultant:

Mike Wan, PE, Project Manager Hydrodynamics Consultants, Inc. 5403 Patton Drive, Suite 215 Lisle, IL 60532 Tel. 630-724-0098 Email Mike_Wan@HydrodynamicsConsultants.com

5. WDNR BRRS#:

02-41-552537

6. WDNR Project Manager:

Binyoti Amungwafor Wisconsin Department of Natural Resources 2300 Martin Luther King Drive, Milwaukee, WI 53212 Tel. 414-263-8607 Email: Binyoti.Amingwafor@Wisconsin.gov

2.2 Site Location Map

Please see attached Figure 1, Site Vicinity Map

2.3 Site Physiographical and Geological Information

2.3.1 Topography/Geology

The general topography of land is flat with an elevation of approximately 705 feet above mean sea level (MSL). The local ground surface slopes gently toward the west or southwest.



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No bedrock is encountered in the borings. According to the Glacial Deposit Map compiled by Wisconsin Geological & Natural History Survey in 1976, the site is located on the End Moraine deposit. The thickness of the glacial deposit is between 50' and 100' according to the Glacial Depth to Bedrock Map compiled by L.C. Trotta and R. D. Otter in 1973.

The closest surface water body is the Menomonee River which is approximately 1,600 feet to the west or southwest of the subject property.

The subsurface soil encountered in the soil borings is predominantly clay to silty clay from the surface down to the end of the borings at 16' below the ground surface, with thin lenses of silty fine sand/gravel being present in some borings.

2.3.2 Hydrogeology

The site is located in the City of Wauwatosa where the ground surface is mostly covered with asphalt pavement or concrete. Surface water drains to the municipal storm water system through the manhole sumps in the parking lots and storm water grills along the edges of streets. Surface water may recharge to the groundwater table via infiltration in landscaped areas or open fields where no surface barrier is present. The subject property is mostly covered with asphalt pavement or concrete slabs except for the lawn covered area to the west of the strip mall building. The groundwater study conducted through the monitoring wells at this site discovered that the local groundwater flows generally to the west or southwest, with high hydraulic conductivity as detailed in later sections of this report. The regional groundwater table may slightly slope to the southwest and discharge into the Menomonee River system located about 1,600 ft. southwest of the site. This water surface elevation at Menomonee River channel is about 656' above the mean sea level (or about 49' below the concrete floor at Westwood Cleaners.

2.4 Background Information

The subject property is located on the southeast corner of the intersection of West North Avenue and North Ludington Avenue in the City of Wauwatosa, WI (See Site Vicinity Map, Figure 1).

According to our inquiry, the subject dry-cleaning plant has been operating there since 1985. Drycleaning solvent, tetrachloroethene or perchloroethene (perc or PCE) has been used and stored at this site since 1985. Prior to 1985, no known record indicates that the site had been involved with any hazardous materials. Therefore, PCE and its degraded compounds (such as trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC) (called chlorinated volatile organic compounds, cVOCs) are the only contaminants of concern (COCs) for this site. Based on our observation and inquiries of the owner, the subsurface contamination of PCE may have been from historical spills or incidental releases during the past drycleaning operation. Further PCE release is unlikely because the drycleaning facility has installed secondary containments under the drycleaning machine and attention has been paid to proper storage and handling of the drycleaning generated wastes.



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Hydrodynamics Consultants, Inc. (HDC) completed a preliminary site investigation on August 19, 2008. HDC performed limited soil boring and testing at the subject property to confirm the site conditions. Four (4) soil borings (SB1 to SB4) were advanced to a depth of 16' each boring and two soil samples were collected from each boring for laboratory analysis of volatile organic compounds (VOCs). The analytical results indicated the drycleaning solvent, tetrachloroethene and its degraded products are present at the site. Based on the laboratory analysis from samples collected from these 4 borings, up to 320,000 μ g/Kg of PCE was present in the borings (See Figure 3, Soil cVOC Distribution Map).

A Potential Claim Notification was completed and sent to the Department of Nature Resources (DNR) on August 28, 2008. Jennifer Feyerherm, Grant Manager of the WDNR sent the owner, Mr. Song Sin a letter on July 20, 2016, stating the site is qualified for reimbursement from the Wisconsin Drycleaners Environmental Response Fund (DERF).

Based on the initial site inspection, HDC believed that the contamination was related to unknown incidental spills or releases of perchloroethene near the drycleaning machine and waste drums. Other similar incidents may also have taken place near the back door through which the drycleaning solvent was delivered and waste solvent drums were removed. The drycleaner owner has implemented secondary storage containers under the potential source containers in order to minimize the impact of any incidental releases or spills. It appears that this dry-cleaner operation is in compliance with all the regulatory requirements.

The surrounding properties or store spaces have been used for commercial purposes without known involvement of any hazardous materials, except for petroleum products. Based on the ERRTS databases, a gasoline filling station is present on the northwest corner of the intersection of North Avenue and Ludington Avenue (8806 W North Avenue, WDNR BRRTS#: 03-41-100572). The gasoline station site was conditionally closed with proper GIS Registry. The property at 8901 West North Avenue, on the southwest corner of the intersection of North Avenue (WDNR BRRTS#: 03-41-563748), was also used as a gasoline filling station. Petroleum release was found in that property. No further information was readily available for review.

There is no known risk at this time from the released cVOCs to the public health, safety, welfare, or the environment.



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3.0 QUARTERLY GROUNDWATER AND VAPOR MONITORING (4th) RESULTS

3.1 Quarterly Groundwater Monitoring (4th Quarter)

3.1.1 Quarterly Groundwater Sampling Summary

On June 16, 2021, Hydrodynamics Consultants, Inc. (HDC) crew members (2 technicians and 2 engineers) preformed the 4th round of groundwater sampling from monitoring wells, MW1 to MW9. Please refer to the attached site map (Figure 2) for sampling locations.

During groundwater sampling, the following procedures are adhered to:

- Prior to groundwater sampling, the wells are measured with a water level indicator, and then purged with a designated disposal bailer, 3 times of the well volume or until they are mostly dry.

- When sufficiently recharged, a groundwater sample is retrieved, with a designated PVC bailer equipped with a Teflon ball check valve at the bottom, from the well.

- Each groundwater sample retrieved is dispensed through a small PVC tube inserted in the bottom of the bailer into two 40-ml glass vials containing a HCL preserve.

- The sample containers are closed with Teflon-lined lids.

- After the vials are filled with water samples, we check to see if the vials are free of bubbles by holding the vials upside down. If bubbles are found, a new groundwater sample is collected from the well.

- Upon completion, groundwater samples are immediately stored in an ice-chilled cooler.

Proper decontamination procedures are followed during the groundwater sampling activities. A new PVC bailer is designated for each groundwater monitoring well. A new pair of gloves is used for collecting each groundwater sample. The water table indicator and tools are cleaned with soapy water and rinsed thoroughly before each use.

The Chain of Custody documentation is strictly adhered to during the groundwater sampling activities and during the delivery of the groundwater samples from the field to the laboratory.

During the field sampling activities, a waterproof pen is used to mark each groundwater sample container. The information marked on the sample containers includes, but is not limited to, the sample date and time, the sample identification, the sample locations, and any other applicable data.

All samples are generally picked up by an analytical laboratory the next working day. Before they are picked up, they are stored in a cooler with ice packs. The cooler is stored in our refrigerator, which is set to 4°C. Collected groundwater samples are analyzed by Stat Analytical Corporation which is a laboratory accredited by the WDNR.



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A trip blank (MW-TB), and a duplicate sample from MW6 (MW6-4/4D), and a temperature blank are included with each groundwater sampling event. However, these samples are only analyzed when required.

Trip blanks are submitted for laboratory analysis to assess for potential contamination during handling, shipment, and storage of the investigative samples. Trip blanks are filled by the analytical laboratory with organic-free water and are kept with the investigative water samples throughout the field event. Field duplicate samples are collected for each investigative matrix (soil gas, sub-slab vapor, ambient air, indoor air, groundwater, and/or soil) as associated investigative samples. Field duplicate samples are processed, stored, packaged, and analyzed by the same methods as the other samples.

Decontamination water use is kept to a minimum, and typically 5-10 gallons of rinsate water is generated. The decontamination water is disposed on-site by evaporation over a hard surface.

3.1.2 Quarterly Groundwater (4th) Sampling Results

A total of 11 new groundwater samples (MW1-4/4 to MW9-4/4), including 1 duplicate and 1 trip blank, were analyzed for VOCs in accordance with US EPA Publication SW-846, Method 5035/8260B. The groundwater analytical results obtained are tabulated in Tables 1a and 1b. The groundwater COC distribution in the wells is illustrated in Figure 4. When compared to the Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard and Chapter NR 140 Preventive Action Limits (PALs), the following compounds are deemed as the contaminants of concern based on the new groundwater sampling results.

Tetrachloroethene (PCE): 34 μ g/L of PCE was detected from MW5 with concentrations exceeded the groundwater Enforcement Standard (5 μ g/L) and Preventive Action Limit as defined in the NR 140.

The groundwater sampling results confirmed that the groundwater quality have been impacted by the released PCE and its degraded compounds of TCE, cDCE, and/or VC at this site in MW5. No other contaminant of concern (COCs) was detected in other wells with concentration exceeding the Preventive Action Limits (PALs). The groundwater cVOC plume is illustrated in Figures 4 (horizontal distribution) and 4a (cross section).

3.2 Quarterly Soil Vapor Monitoring (4th Quarter)

3.2.1 Quarterly Sub-Slab Soil Vapor Sampling Summary

On June 16, 2021, Hydrodynamics Consultants, Inc. (HDC) crew members (2 technicians and 2 engineers) preformed the 4th round of vapor sampling from sample ports SV1 to SV7. All the existing soil vapor sampling ports were sampled with samples SV1-4/4 to SV7-4/4. One duplicate sample was collected from SV3 port (SV3-4/4). Please refer to the attached Sub-slab Vapor cVOC Distribution Map (Figure 5) for sampling locations.



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During sampling activity, sub-slab vapor samples are collected, pursuant to Publication RR-800 (January 2018), Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin, and RR986 (Sub-Slab Sampling Procedures), to assess the indoor sub-slab vapor quality. The following procedures are adhered for the vapor sampling:

Sampling Port Water Dam Test:

To ensure there is no air leakage from the air to the sub-slab through the sampling port, a water dam test is used and described as follows:

• The floor around the sampling port is carefully cleaned;

• A 1.5"-diameter and 1.5" tall PVC coupler ring is placed around the sampling port with the sampling outlet tubing extruding about 2" above the ground;

• Modeling clay is used to seal between the bottom of the PVC ring and the concrete floor to create a water dam around the sampling port;

• Bottled water is poured inside the dam and we watched for the water level change. If the water level inside the dam drops, re-seal the port and re-test, until it is stable for about 5 minutes.

Sampling Device and Shut-In Test

The sampling device is a 6-liter Summa canister and attached air flow regulator prepared by a certified lab. The shut-in test for the device provided by the lab is as follows:

- Check to make sure the canister valve (C) is tightly closed, the air flow regulator is tightly connected on the canister, and the air inlet cap on the regulator has a tight fit;
- Quickly open and close the canister valve for ½ turn, and watch to make sure the pressure gauge stays at its preselected pressure (around 30" Hg) without dropping for 30 seconds. If a pressure drop is observed, re-tighten the connections and cap, and re-test it until it is tight.

Sampling Train Assembly

- A 3-way valve (A) that has one inlet and two outlets is tightly connected with a ¹/₄" OD and 1/8" ID Teflon tube on each of the three ends. The 3-way valve can turn on one outlet while turning off the other outlets simultaneously.
- The inlet end of the 3-way valve is connected to a shut off valve which is attached to the sampling tube inserted in the sampling port inside the concrete floor. One of the two outlets on the 3-way valve is connected to the inlet of the Summa canister while the other outlet is connected to a purging pump (with PID instrument) to purge the vapor sampling train and test the subsurface vapor VOCs.

Sampling Train Shut-In Test

- Check to make sure the canister valve (C) is tightly closed;
- Remove inlet cap from the canister and connect the inlet to one of the outlets of the 3-way valve (A);



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- Turn off the vapor sampling port valve (B) and turn on the 3-way valve to allow flow to the canister inlet;
- Quickly open and close the canister valve for ½ turn, and watch to make sure the pressure gauge stays at its preselected pressure (around 30" Hg) without dropping. If a pressure dropping is observed, re-tighten the connections and cap until they are tight without leakage.

Sampling Train Purging and PID Reading

- Turn on the outlet valve connected to the sampling port to allow soil vapor flow from the sub-slab space;
- The 3-way valve is first turned on to the purging pump outlet to purge 3 times the volume of the sampling train (including volume of tubing and the sampling port cavity, up to about 1 liter or 5 minutes) prior to sampling;
- Read the VOC concentrations while purging with the photo-ionization detector;
- Turn the 3-way valve to the canister inlet direction before removing the purging pump.

Sub-slab Soil Vapor Sampling

- Turn the 3-way valve to connect the inlet for the Summa canister to allow soil vapor to be sucked into the pre-vacuumed Summa canister from the sub-slab;
- Paper towels are placed over the sampling train and Isopropyl Alcohol tracer fluid is spread over the towels covering the sampling train during the sampling to ensure no leakage into the sampling train.
- Turn on the Summa canister valve to withdraw soil vapor from the sub-slab space and observe the vacuum pressure drop on the gauge from about -30" Hg to about -5" Hg.
- Turn off the canister valve when the pressure gauge reaches below -5" Hg and replace and tighten the canister cap (the withdrawing process may take about 30 minutes for each sample to fill a 6-liter Summa canister).
- Record the final canister pressure and flow controller number on the canister sample tag, including sample ID and other information.
- The sample is then sent to the laboratory for analysis of VOCs using Method TO-15, including isopropyl alcohol content as its QA/QC parameter.
- The sampling port is sealed and covered for next sampling.

3.2.2 Quarterly Sub-Slab Soil Vapor (4th) Sampling Results

A total of 8 sub-slab vapor samples (SV1-4/4 to SV7-4/4), including 1 duplicate (SV3-4/4D), were collected and analyzed for VOCs using US EPA Method TO-15, in accordance with RR-800, "Addressing Vapor Intrusion at Remediation and Redevelopment Sites in Wisconsin" procedures. The vapor analytical results obtained are tabulated in Tables 2a and 2b. The sub-slab vapor COC distribution is illustrated in Figure 5. HDC compared the analytical results to the US EPA's Indoor Air Vapor Action Levels (VAL) and Sub-Slab Vapor Risk Screening Levels (VRSL), and the following exceedances were present.



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Tetrachloroethene (PCE): up to 30,000 μ g/m³ of PCE was detected from vapor sampling port SV7 exceeding both the residential and commercial Indoor Air Vapor Action Levels, and both the residential and commercial Vapor Risk Screening Levels (VRSL). The VRSL of 5,840 μ g/m³ for PCE is applicable for this site.

Trichloroethene (TCE): up to 350 μ g/m³ of PCE was detected from vapor sampling port SV7 exceeding both the residential and commercial Indoor Air Vapor Action Levels, and both the residential and commercial Vapor Risk Screening Levels (VRSL). The VRSL of 292 μ g/m³ for TCE is applicable for this site.

The sub-slab vapor sampling results confirmed that the sub-slab Vapor Risk Screening Levels have been exceeded at this site in the source areas. The EPA's VRSL for commercial properties are applicable to this site. No VOCs were found in any other vapor sampling ports with concentrations exceeding the Vapor Risk Screening Levels (VRSLs). The soil vapor VOC plume is illustrated in Figure 5 (horizontal distribution), while the vertical soil vapor VOC distribution is shown in Figure 5a.

As part of the soil vapor monitoring process, HDC checked VOC concentrations in manholes at and around the property. The sanitary and storm manholes located in the parking lots and public right of ways around the property were checked with a photo-ionization detector (PID) which is calibrated with 100 ppm equivalent of isobutylene. Floor drains in the building in Westwood Cleaners and Super Cuts, as well as in the neighboring restaurant were also checked with the PID for VOCs. The air in the manholes and drains was measured by inserting the tip of the PID into the manholes and drains and waiting for the VOC readings. Based on our field measurements, no detectable VOC was found.



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4.0 QUARTERLY GROUNDWATER TABLE ELEVATION MONITORING RESULTS

Prior to any groundwater disturbance, on June 16, 2021, we conducted a water-table survey for monitoring wells MW1 through MW9. The top of the well casing of monitoring well MW6 was chosen as a survey reference point and assumed to be 100.00 feet site datum elevation. The relative elevation of the top of well casing for each well was then determined by level shooting, and the distances between wells were directly measured using a wheel measure. The relative water-table elevation survey data can be summarized in Table 3.

A water table contour map for the relative water-table elevations is constructed as shown in Figure 4b. The groundwater flow trend is steadily to the west or southwest at this site. It may discharge to the Menomonee River basin located approximately 1,600' southwest of the site. According to Google Earth map, the water surface elevation at the Menomonee River is about 40' below the water table found at Westwood Cleaners site.

	Relative	Water	Water Table						
Well	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation	Depth	Elevation
Number	of the Top	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)	(ft.)
	of Casing	8/10/20	8/10/20	12/8/20	12/8/20	3/26/21	3/26/21	6/16/21	6/16/21
MW1	98.49	10.12	88.37	10.27	88.22	9.55	88.94	9.95	88.54
MW2	99.12	9.6	89.52	9.9	89.22	9.1	90.02	9.61	89.51
MW3	100.76	9.75	91.01	9.85	90.91	9.15	91.61	9.6	91.16
MW4	98.88	8.95	89.93	9.01	89.87	8.35	90.53	8.85	90.03
MW5	99.95	9.42	90.53	9.81	90.14	9.11	90.84	9.61	90.34
MW6	100	9.68	90.32	9.79	90.21	9.05	90.95	9.48	90.52
MW7	98.85	9.72	89.13	9.91	88.94	9.1	89.75	9.61	89.24
MW8	98.48	9.52	88.96	9.85	88.63	9.15	89.33	9.72	88.76
MW9	98.2	9.59	88.61	9.81	88.39	9.25	88.95	9.82	88.38



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5.0 SITE ENVIRONMENTAL CONDITION SUMMARY AND ASSESSMENT

The following will summarize the general status of the released cVOCs and the migration trend with the residual contaminants in the soil, groundwater, and soil vapor. To exclude the potential exposure pathways and mitigate the environmental risks to the human health, safety, and welfare, or the environment, engineered barrier (cap), vapor mitigation system, and groundwater usage restriction are recommended for this site.

5.1 Groundwater Contamination and Exposure Exclusion

5.1.1 Groundwater Monitoring Results

The groundwater sample analytical results for the 4th quarter are illustrated in Table 1a, while all the historical results are listed in Table 1b. All the historical analytical results are illustrated in Figure 4. Based on the groundwater sampling results, the following groundwater contamination trend can be summarized:

MW1, MW3, MW4, MW7, and MW9

A number of sampling events have been conducted in these wells. No chlorinated volatile organic compound (cVOC) was found with concentration exceeding the Enforcement Standard (ES) defined in NR140 in any sampling events. Based on the sampling results from these wells, the cVOCs are confined within or near the property boundaries.

MW8

Four sampling events were completed from this well, and only trace amount (10 μ g/L) of PCE was reported in the samples collected in August 10, 2020. However, no cVOC was found with concentration exceeding the Enforcement Standard (ES) defined in NR140 in the later sampling events conducted in December 2020, March 2021, and June, 2021.

MW2

Nine (9) sampling events have been completed from this well, and chlorinated volatile organic compounds, including PCE and TCE, were found with concentrations exceeding the Enforcement Standard (ES) defined in NR140 in some sampling events. The highest concentrations in MW2 were 99 μ g/L for PCE and 89 μ g/L for TCE as found on July 2020. However, no VOC was found in the last sampling.

Since MW2 is located close to the property border, additional monitoring wells (MW7, MW8, and MW9) were installed in further down-gradient directions in August 2020 to define the groundwater contamination boundaries. No cVOC concentration was found in the down-gradient wells higher than the Enforcement Standard as defined in NR140 based on the last 3 sampling events conducted in December 2020, March 2021, and June, 2021. Therefore, the cVOC concentrations found from MW2 have been stable or decreasing. The cVOCs contaminants are confined within or near the property boundaries.



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MW5

Ten (10) sampling events have been completed from this well, and chlorinated volatile organic compounds, including PCE, TCE, VC, and chloroform were found with concentrations exceeding the Enforcement Standard (ES) defined in NR140 in all sampling events. The highest concentrations were 4,600 μ g/L for PCE, 180 μ g/L for TCE, 38 μ g/L for VC, and 11 μ g/L for chloroform.

According to the general groundwater flow trend found at this site, the groundwater flow trend has been steady to the west or southwest. Therefore, MW5 is located in the plume source area while monitoring wells MW8, MW9, and MW1 are in the down-gradient directions. No cVOC concentration was found in the down-gradient wells with concentration exceeding the Enforcement Standard as defined in NR140 based on the last 3 sampling events. Therefore, the cVOC concentrations found from MW5 have been stable or decreasing. The groundwater cVOCs are confined within or near the property boundaries.

MW6

Nine (9) sampling events have been completed from this well, and chlorinated volatile organic compounds, including PCE, TCE, and VC were found with concentrations exceeding the Enforcement Standard (ES) defined in NR140 in all sampling events. The highest concentrations were 700 μ g/L for PCE, 52 μ g/L for TCE, 5.7 μ g/L for VC.

According to the general groundwater flow trend found at this site, MW6 is located near the plume source area while monitoring wells MW8, MW9, and MW1 are in the down-gradient directions. No cVOC concentration was found in the down-gradient wells with concentration exceeding the Enforcement Standard as defined in NR140 based on the last 3 sampling events. Therefore, the cVOC concentrations found in MW6 have been stable or decreasing. The groundwater cVOCs are confined within or near the property boundaries.

5.1.2 Groundwater Contamination Exposure Pathway Exclusion

The potentially groundwater impacted areas may include the subject property (8735 W. North Avenue), the adjoining property (8725 W. North Avenue), and the public alley to the south of these two properties, as illustrated in Figure 6. To exclude the groundwater usage risks, Hydrodynamics Consultants, Inc. recommends groundwater usage restrictions be implemented in the potential groundwater contamination areas, as shown in Figure 6.

5.2 Soil Contamination and Exposure Prevention

5.2.1 Soil Contamination Degree and Extent

Fifteen (15) new soil borings (NSB1 to NSB15) and four (4) old soil borings (SB1 to SB4) were placed to define the extent and degree of soil contamination. Based on the site investigation results, there are two soil plumes with cVOC concentrations higher than the Residual



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Contaminant Levels (RCLs) for soil to groundwater and one plume for soil direct contact pathways. The soil contamination extent and degree plumes are illustrated in Figures 3 and 3a.

5.2.2 Soil Contamination Exposure Mitigation

Risk for direct soil contact is present in the subject building inside the drycleaning plant as shown in Figure 6. To prevent a potential direct soil contact pathway, Hydrodynamics Consultants, Inc. recommends use and maintenance of the existing concrete floor/building foundation in the area designated in Figure 6 as an engineered barrier (cap) for the contaminated soil at this site. The designated barrier covers an area of 40' by 35' inside the store building as illustrated in Figure 6.

5.3 Soil Vapor Contamination and Mitigation

5.3.1 Soil Vapor Contamination Monitoring Results

The soil vapor sample analytical results are illustrated in Table 2a and 2b and Figure 5. Based on the sub-slab soil vapor sampling results, the following vapor contamination trend can be summarized:

SV1, SV2, SV3, SV4, SV5, and SV6

Four to five sampling events have been conducted in these soil vapor ports. No chlorinated volatile organic compound (cVOC) was found with concentration exceeding the USEPA's Vapor Risk Screen Levels for commercial properties in any sampling events. Based on the sampling results from these locations, the sub-slab vapor cVOCs are confined within the property boundaries distributed near the drycleaning machine. Although trace amounts (up to 1,900 μ g/m³ of PCE) of cVOCs were reported in the basement (SV2) at the adjoining property at 8725 W. North Avenue, the results are all below the USEPA's VRSLs for commercial properties.

SV7

SV7 is located in the source area next to the drycleaning machine. Four sampling events have been conducted in this soil vapor port. Up to 38,000 μ g/m³ of PCE and 630 μ g/m³ of TCE were found with concentration exceeding the USEPA's Vapor Risk Screen Levels for commercial properties at this location.

Based on the sub-slab vapor sampling results from SV1 to SV7, the sub-slab vapor cVOCs are confined within the property boundaries and originate near the drycleaning machine area, with concentrations higher than VRSLs for commercial properties being defined in Figure 6.

5.3.2 Proposed Soil Vapor Mitigation System

Based on the last 4 quarterly sampling results from this site, the cVOCs are confined around the SV7 area within the property boundaries. Risk for vapor intrusion to the subject building inside the drycleaning plant (see Figure 6) needs to be addressed.



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To exclude the indoor vapor intrusion pathway, HDC proposes installation of a soil vapor mitigation system in the source areas. A sub-slab depressurization (SSD) system is proposed as follows:

- a. A U-shaped trench will be cut in the concrete floor as shown in Figure 6. The trench will be approximately 2' deep by 2" wide by 75' long and filled with crushed stone (CA-7). A 4"-diameter perforated pipe will be buried in the middle of the gravel inside the trench before the concrete floor is restored. The trench will function as suction gallery that will have more than 50 cubic feet of void volume which can greatly enhance system performance.
- b. A 4"-diameter PVC pipe will be used to extend vertically from the perforated pipe to an in-line blower (Model RP265 from RadonAway Company), which is capable of up to 2.1 inches of water column (wc) suction and up to 166 cubic feet air per minute (cfm) flow.
- c. The proposed sub-slab depressurization system must have a measurable vacuum (<-0.003" wc) within the covered area (under the 40' by 35' engineered barrier or cap).
- d. All visible cracks and joints in the slab (including places where pipes exit the slab) and foundation walls will be sealed.
- e. The exhausts pipe outside the building will be extended above the roof (>12') and be placed more than 10' from any doors or windows.

Upon installation of the above SSD system, measurements will be made in the mitigation areas with a manometer to ensure a measurable vacuum (>0.003" wc) is present. Concrete floor penetration holes will be properly sealed after the vacuum measurements.

Figure 6 illustrates the sub-slab depressurization (SSD) system trench location for this site, while Figure 6a is the diagram showing the SSD system cross section.



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6.0 CONCLUSION AND RECOMMENDATIONS

Based on existing site investigation results and the groundwater/vapor monitoring results, Hydrodynamics Consultants, Inc. believes the concentrations of the released drycleaning solvent, tetrachloroethylene (PCE) and its degraded compounds (such as trichloroethylene -TCE, cis-1,2/trans- dichloroethylene - DCE, and vinyl chloride - VC) have been decreasing or stable, without any sign of impact to the environment or human health and safety. Based on the sampling results, HDC requests that the WDNR consider this case for conditional closure, with the following conditions:

- Groundwater contamination remains at this site, including the subject property at 8735
 W. North Avenue, and potentially the adjoining property to the east at 8725 W. North
 Avenue, and the public alley to the south of these two properties (See Groundwater
 Usage Restriction Area in Figure 6). Groundwater well installation or extraction from
 these properties should be prohibited.
- 2.) Residual soil contamination exists that must be properly managed should it be excavated or removed. The existing building concrete floor and foundation must be maintained over the contaminated area as an engineered barrier to prevent any soil contact. The DNR must be notified to approve any change to this barrier. The 40' by 35' Engineered Barrier (cap) Area is illustrated in Figure 6.
- 3.) The sub-slab soil vapor contamination is present under the drycleaning plant area. The proposed soil vapor mitigation system, which is a sub-slab depressurization system, must be properly installed to mitigate any indoor vapor intrusion risks. The vapor mitigation system, upon installation, must be kept operational and properly maintained. The sub-slab depressurization system should cover the same 40' by 35' Engineered Barrier Area as illustrated in Figure 6.
- 4.) Upon the DNR's approval of the conditional case closure for this site, the monitoring wells and the soil vapor sampling ports should be properly plugged and the surface be restored.
- 5.) The site should be included in the Geographic Information System (GIS) Registry upon closure.



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7.0 CONCLUDING REMARKS

The environmental assessment detailed in this report has been performed in accordance with generally accepted methods and practices of the environmental profession. The findings obtained in this project are believed to be reliable to the extent possible for the information gathered and for the scope and intent of the work mutually agreed upon by the client and HDC. HDC does not make any warranty or guarantee, expressly or implied, to conditions that could not be considered in our report, because the conditions were not readily available, hidden, or not disclosed to our inquiries and investigations.

HDC appreciates the opportunity to be of service to you on this project. If you have any questions concerning this report, please feel free to contact my office.

Prepared by:

e (Minghua) Wan, PE

Senior Engineer

Reviewed by

Yong Yu, Ph.D. Senior Project Manager

Maple Testing Services, Inc. D/B/A Hydrodynamics Consultants, Inc.

TABLES

Hydrodynamics Consultants, Inc.

Sample ID:	MW1-4/4	MW2-4/4	MW3-4/4	MW4-4/4	MW5-4/4	MW6-4/4	MW6-4/4D	Groundwater Q	Quality Standards
Date:		•	•	6/16/2021	•	•		NR 140	NR 140
Depth to Water (ft):	9.95	9.61	9.6	8.85	9.61	9.48	9.48	ES	PAL
VOCs	•		•	•	•	•	•	μg/L	μg/L
Acetone	< 20	< 20	< 20	< 20	< 20	< 20	< 20	9000	1800
Benzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.6	0.06
Bromoform	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	4.4	0.44
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	10	1
2-Butanone	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NS	NS
Carbon disulfide	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1000	NS
Carbon tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	NS	NS
Chloroethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	400	80
Chloroform	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	6	0.6
Chloromethane	< 10	< 10	< 10	< 10	< 10	< 10	< 10	30	3
Dibromochloromethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	60	6
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	850	85
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	7	0.7
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	70	7
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	20
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5
cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4	0.04
trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.4	0.04
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	700	140
2-Hexanone	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NS	NS
4-Methyl-2-pentanone	< 20	< 20	< 20	< 20	< 20	< 20	< 20	NS	NS
Methylene chloride	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5
Methyl tert-butyl ether	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	60	12
Styrene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	100	10
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	0.2	0.02
T etrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	34	< 5.0	< 5.0	5	0.5
1 oluene	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	800	160
1,1,1-1 richloroethane	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	200	40
Triablaraathana	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5
Vinyl chloride	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	0.2	0.02
Xylene - total	< 15	< 15	< 15	< 15	< 15	< 15	< 15	2000	400
Ayiche - wiai	×15	× 15	× 15	× 15	× 15	× 15	× 15	2000	400

Table 1a - 4th Quarterly Groundwater VOC Analytical Results

Notes:

NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard

NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit NS = No Standard, J - Analyte detected below reporting limit

All values in ug/L or ppb

Bold fonts/Shaded boxes indicate the levels exceed the NR 140 ES Quality Standards.

Sample ID with " - D" and "TB" refer to duplicate and trip blank, respectively

Sample ID:	MW7-4/4	MW8-4/4	k Groundwater Quality Standards							
Date:		6/16/	/2021	•	NR 140	NR 140				
Depth to Water (ft):	9.61	9.72	9.82	NA	ES	PAL				
VOCs					μg/L	μg/L				
Acetone	< 20	< 20	< 20	< 20	9000	1800				
Benzene	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
Bromodichloromethane	< 5.0	< 5.0	< 5.0	< 5.0	0.6	0.06				
Bromoform	< 1.0	< 1.0	< 1.0	< 1.0	4.4	0.44				
Bromomethane	< 5.0	< 5.0	< 5.0	< 5.0	10	1				
2-Butanone	< 20	< 20	< 20	< 20	NS	NS				
Carbon disulfide	< 10	< 10	< 10	< 10	1000	NS				
Carbon tetrachloride	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
Chlorobenzene	< 5.0	< 5.0	< 5.0	< 5.0	NS	NS				
Chloroethane	< 10	< 10	< 10	< 10	400	80				
Chloroform	< 1.0	< 1.0	< 1.0	< 1.0	6	0.6				
Chloromethane	< 10	< 10	< 10	< 10	30	3				
Dibromochloromethane	< 5.0	< 5.0	< 5.0	< 5.0	60	6				
1,1-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	850	85				
1,2-Dichloroethane	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
1,1-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	7	0.7				
cis-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	70	7				
trans-1,2-Dichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	100	20				
1,2-Dichloropropane	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
cis-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	0.4	0.04				
trans-1,3-Dichloropropene	< 1.0	< 1.0	< 1.0	< 1.0	0.4	0.04				
Ethylbenzene	< 5.0	< 5.0	< 5.0	< 5.0	700	140				
2-Hexanone	< 20	< 20	< 20	< 20	NS	NS				
4-Methyl-2-pentanone	< 20	< 20	< 20	< 20	NS	NS				
Methylene chloride	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
Methyl tert-butyl ether	< 5.0	< 5.0	< 5.0	< 5.0	60	12				
Styrene	< 5.0	< 5.0	< 5.0	< 5.0	100	10				
1,1,2,2-Tetrachloroethane	< 5.0	< 5.0	< 5.0	< 5.0	0.2	0.02				
Tetrachloroethene	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
l oluene	< 5.0	< 5.0	< 5.0	< 5.0	800	160				
1,1,1-1richloroethane	< 5.0	< 5.0	< 5.0	< 5.0	200	40				
1,1,2-1richloroethane	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
Trichloroethene	< 5.0	< 5.0	< 5.0	< 5.0	5	0.5				
Vinyl chloride	< 2.0	< 2.0	< 2.0	< 2.0	0.2	0.02				
Xylene - total	< 15	< 15	< 15	< 15	2000	400				

Table 1a - 4th Quarterly Groundwater VOC Analytical Results

Notes:

NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard

NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit NS = No Standard, J - Analyte detected below reporting limit

All values in ug/L or ppb

Bold fonts/Shaded boxes indicate the levels exceed the NR 140 ES Quality Standards.

Sample ID with " - D" and "TB" refer to duplicate and trip blank, respectively

Table 1b - All Groundwater VOC Analytical Results

TABUI SA ANAI RE	ATION OF MPLE LYTICAL SULTS	vocs↓	Acetone	Benzene	Bromodichloromethane	Bromoform	Bromomethane	2-Butanone	Carbon disulfide	Carbon tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	Dibromochloromethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	2-Hexanone	4-Methyl-2-pentanone	Methylene chloride	Methyl tert-butyl ether	Styrene	1,1,2,2-Tetrachloroethane	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	Vinyl chloride	Xylene - total
.		NR 140 ES	9000	5	0.6	4.4	10	NS	1000	5	NS	400	6	30	60	850	5	7	70	100	5	0.4	0.4	700	NS	NS	5	60	100	0.2	5	800	200	5	5	0.2	2000
Ground	dards →	$(\mu g/L) \rightarrow$ NR 140 PAL	1800	0.5	0.06	0.44	1	NS	NS	0.5	NS	80	0.6	3	6	85	0.5	0.7	7	20	0.5	0.04	0.04	140	NS	NS	0.5	12	10	0.02	0.5	160	40	0.5	0.5	0.02	400
Sample	Denth to	(µg/L) → Sampling Date																																			
тр↓	Water ↓	↓										. 4.0						A	nalytica	I Result	s (μg/L)↓															
	8.72 ft. 9.55 ft.	12/18/2018	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 15
	9.22 ft. 9.35 ft.	03/08/2019 07/13/2019	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10 < 10	< 5	< 10 < 10	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	<1	<1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	< 5	< 5	< 2	< 15
MWI	10.12 ft.	07/28/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	9.55 ft.	03/26/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.3	< 2	< 15
MW1-D	9.95 ft. 8.72 ft.	06/16/2021 09/19/2018	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10 < 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	8.97 ft. 8.35 ft.	09/19/2018	< 20	< 5 < 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5 < 5	< 10 < 10	1.5 J	< 10 < 10	< 5 < 5	< 5	< 5	< 5	6.9 J < 5	< 5 < 5	< 5	< 1.1	< 1.1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	6.3 12	0.85 J < 5	< 5	< 5	< 5	< 2.2	< 15
	8.01 ft.	03/08/2019	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
MW2	9.6 ft.	07/28/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	4.4 J 10	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	<u> </u>	< 5	< 5	< 5	89	< 2	< 15
	9.9 ft. 9.1 ft.	12/08/2020 03/26/2021	< 20	< 5 < 5	< 5 < 5	< 5 < 5	< 10	< 20 < 20	< 10 < 10	< 5	< 5 < 5	< 10 < 10	< 5 < 5	< 10 < 10	< 5 < 5	< 5	< 5 < 5	< 5 < 5	< 5	< 5 < 5	< 5 < 5	< 1	< 1	< 5 < 5	< 20 < 20	< 20 < 20	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	91 73	< 5 < 5	< 5 < 5	< 5	33 25	< 2	< 15
MW2-D	9.61 ft. 8 15 ft	06/16/2021 07/13/2019	< 20 < 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5 4 4 I	< 5	< 5	<1	<1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	10.23 ft.	09/19/2018	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	<5	< 5	< 1.1	< 1.1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 15
	9.75 ft.	03/08/2019	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
MW3	9.65 ft. 9.75 ft.	07/13/2019 07/28/2020	< 20	< 5	< 5 < 5	< 5	< 10	< 20	< 10 < 10	< 5	< 5 < 5	< 10 < 10	< 5 < 5	< 10 < 10	< 5 < 5	< 5	< 5	< 5 < 5	< 5	< 5 < 5	< 5	<1	< 1	< 5	< 20 < 20	< 20 < 20	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5	< 5 < 5	< 2	< 15
	9.85 ft.	12/08/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1	< 2	< 15
	9.6 ft.	06/16/2021	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	8.44 ft. 8.15 ft.	09/19/2018 12/18/2018	< 20	< 5	< 5	< 5	< 10	< 20	0.38 J <10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	<5 < 5	< 5	< 1.1	< 1.1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2.2	< 15
	7.81 ft. 7.9 ft.	03/08/2019 07/13/2019	< 20	< 5 < 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5 < 5	< 10 < 10	< 5	< 10 < 10	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	<1	< 1	< 5	< 20 < 20	< 20	< 5	< 5 < 5	< 5	< 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5	< 5	< 2	< 15
MW4	8.95 ft.	07/28/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	8.35 ft.	03/26/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.3	< 2	< 15
	8.85 ft. 9.61 ft.	06/16/2021 09/19/2018	< 20	< 5	< 5	< 5	< 10	< 20	< 10 0.33 J	< 5	< 5	< 10	< 5	< 10 < 10	< 5	< 5	< 5	< 5	< 5	< 5 4.5 J	< 5	< 1.1	< 1.1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5 160	< 5	< 5	< 5	< 5 70	< 2	< 15
	9.89 ft. 9.55 ft.	12/18/2018 03/08/2019	< 20	< 5	< 5	< 5	< 10	< 20	< 10 < 10	< 5	< 5	< 10 < 10	< 5	< 10 < 10	< 5	< 5	< 5	< 5	29	< 5 < 5	< 5	<1	<1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	66 270	< 5	< 5	< 5	140 75	25	< 15
MW5	9.85 ft.	07/13/2019	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	23	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	4300	< 5	< 5	< 5	120	20	< 15
	9.42 ft. 9.81 ft.	12/08/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	11	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	4600	< 5	< 5	< 5	120	< 2	< 15
	9.11 ft. 9.61 ft.	03/26/2021 06/16/2021	< 100	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 50	< 5	< 5	< 5	34	< 5	< 5	< 5	85 < 5	< 2	< 15
MW5-D	9.55 ft. 9.81 ft.	03/08/2019 12/08/2020	< 20 < 20	< 5 < 5	< 5 < 5	< 5 < 5	< 10	< 20 < 20	< 10 < 10	< 5	< 5 < 5	< 10 < 10	< 5	< 10 < 10	< 5 < 5	< 5	< 5 < 5	< 5 < 5	15	< 5 < 5	< 5 < 5	< 1	< 1	< 5 < 5	< 20 < 20	< 20 < 20	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	260 1700	< 5 < 5	< 5 < 5	< 5	70 120	12 7.8	< 15
	9.76 ft. 9.89 ft	09/19/2018	< 20 < 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	8.6	1.5 J < 5	< 5	< 1.1	< 1.1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	110 69	< 5	< 5	< 5	11 36	3.3	< 15
	9.54 ft.	03/08/2019	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	12	< 5	< 5	<1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	370	< 5	< 5	< 5	52	5.7	< 15
MW6	9.73 ft. 9.68 ft.	07/28/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	7.8	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	550	< 5	< 5	< 5	38	< 2	< 15
	9.79 ft. 9.05 ft.	12/08/2020 03/26/2021	< 20 < 100	< 5	< 5 < 5	< 5 < 5	< 10	< 20	< 10	< 5 < 5	< 5 < 5	< 10 < 10	< 5 < 5	< 10 < 10	< 5 < 5	< 5	< 5 < 5	< 5 < 5	< 5	< 5 < 5	< 5	<1	< 1	< 5 < 5	< 20 < 20	< 20 < 20	< 5 < 50	< 5 < 5	< 5	< 5 < 5	700 690	< 5	< 5 < 5	< 5	39 48	< 2	< 15
	9.48 ft. 9.89 ft.	06/16/2021 12/18/2018	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10 < 10	< 5	< 10 < 10	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	<1	<1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	< 5 78	< 5	< 5	< 5	< 5	< 2	< 15
MW6-D	9.48 ft.	06/16/2021	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
MW7	9.72 ft. 9.91 ft.	12/08/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	1.1	< 2	< 15
	9.1 ft. 9.61 ft.	03/26/2021 06/16/2021	< 20	< 5 < 5	< 5 < 5	< 5	< 10	< 20	< 10	< 5	< 5 < 5	< 10 < 10	< 5	< 10 < 10	< 5 < 5	< 5	< 5	< 5 < 5	< 5	< 5 < 5	< 5	<1	< 1	< 5	< 20	< 20	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 2	< 15
MW7-D	9.72 ft. 9.1 ft.	08/10/2020 03/26/2021	< 20 < 20	< 5	< 5 < 5	< 5	< 10	< 20	< 10	< 5	< 5 < 5	< 10 < 10	< 5	< 10 < 10	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	<1	<1	< 5	< 20 < 20	< 20 < 20	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	< 5	< 5	< 2	< 15
	9.52 ft.	08/10/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	23	< 5	< 5	<1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	10	< 5	< 5	< 5	< 5	< 2	< 15
MW8	9.85 ft. 9.15 ft.	03/26/2020	< 20 < 20	< 5 < 5	< 5	< 5 < 5	< 10	< 20	< 10 < 10	< 5	< 5 < 5	< 10 < 10	< 5	< 10 < 10	< 5	< 5 < 5	< 5	< 5 < 5	< 5	< 5	< 5	<1	<1	< 5	< 20 < 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	< 5	1.1	< 2	< 15
	9.72 ft. 9.59 ft.	06/16/2021 08/10/2020	< 20 < 20	< 5 < 5	< 5 < 5	< 5 < 5	<10 <10	< 20 < 20	< 10 < 10	< 5 < 5	< 5 < 5	< 10 < 10	< 5 < 5	< 10 < 10	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5	< 5 < 5	< 5 < 5	< 1 < 1	< 1 < 1	< 5 < 5	< 20 < 20	< 20 < 20	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5	< 5	< 5	< 2	< 15 < 15
MW9	9.81 ft. 9.25 ft	12/08/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	0.96	< 2	< 15
	9.82 ft.	06/16/2021	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	NA	09/18/2018 12/18/2018	< 20 < 20	< 5 < 5	< 5	< 5 < 5	< 10	< 20	< 10 < 10	< 5	< 5 < 5	< 10 < 10	0.75 J < 5	< 10	< 5 < 5	< 5	< 5 < 5	< 5	< 5	< 5	< 5	< 1.1	< 1.1	< 5	< 20	< 20	< 5 < 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5 < 5	< 5	< 5 < 5	< 2.2	< 15
	NA NA	03/08/2019 07/13/2019	< 20 < 20	< 5 < 5	< 5	< 5 < 5	< 10	< 20	< 10 < 10	< 5	< 5 < 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 5 < 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5 < 5	< 5	< 5	< 5	< 2	< 15
MW-TB	NA NA	07/28/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
	NA	03/26/2020	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	<1	<1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15
L	NA	06/16/2021	< 20	< 5	< 5	< 5	< 10	< 20	< 10	< 5	< 5	< 10	< 5	< 10	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 1	< 1	< 5	< 20	< 20	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 2	< 15

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J - Analyte detected below reporting limit All values in µg/L or ppb Bold fonts/Shaded boxes indicate the levels exceed the NR 140 ES Quality Standards.

Sample ID:	SV1-4/4	SV2-4/4	SV3-4/4	SV4-4/4	SV5-4/4	SV6-4/4	SV7-4/4	SV3-4/4D	Indoor Air Vapor A	ction Levels (VAL)*	Vapor Risk Screen	ing Levels (VRSL)*		
Date:				6/16/	2021				Residential	Commercial	Residential	Commercial		
VOCs									µg/m ³	μg/m ³	μg/m ³	μg/m ³		
1,1,1-Trichloroethane	< 3.9	< 4.0	< 4.4	< 5.3	< 3.3	< 3.3	< 3.5	< 4.0	5210	21900	174000	730000		
1,1,2-Trichloroethane	< 3.9	< 4.0	< 4.4	< 5.3	< 3.3	< 3.3	< 3.5	< 4.0	0.209	0.876	6.95	29.2		
1,1-Dichloroethane	< 2.8	< 2.9	< 3.2	< 3.8	< 2.4	< 2.4	< 2.5	< 2.9	17.5	76.7	585	2560		
1,1-Dichloroethene	< 2.8	< 2.9	< 3.2	< 3.8	< 2.4	< 2.4	< 2.5	< 2.9	209	876	6950	29200		
1,2,4-Trichlorobenzene	< 5.3	< 5.5	< 6.0	< 7.2	< 4.5	< 4.5	< 4.8	< 5.5	2.09	8.76	69.5	292		
1,2-Dibromoethane	< 5.3	< 5.5	< 6.0	< 7.2	< 4.5	< 4.5	< 4.8	< 5.5	0.0468	0.204	1.56	6.81		
1,2-Dichlorobenzene	< 4.3	< 4.4	< 4.8	< 5.8	< 3.6	< 3.6	< 3.8	< 4.4	209	876	6950	29200		
1,2-Dichloroethane	< 2.8	< 2.9	< 3.2	< 3.8	< 2.4	< 2.4	< 2.5	< 2.9	1.08	4.72	36	157		
1,2-Dichloropropane	< 3.2	< 3.3	< 3.6	< 4.3	< 2.7	< 2.7	< 2.9	< 3.3	4.17	17.5	139	584		
1,4-Dichlorobenzene	< 4.3	< 4.4	< 4.8	< 5.8	< 3.6	< 3.6	< 3.8	< 4.4	2.55	11.1	85.1	372		
1,4-Dioxane	< 6.4	< 6.6	< 7.2	< 8.7	< 5.4	< 5.4	< 5.7	< 6.6	5.62	24.5	187	818		
2-Butanone	5.7	6.9	< 6.0	< 7.2	< 4.5	< 4.5	< 4.8	< 5.5	NV	NV	NV	NV		
Acetone	54	73	40	31	36	110	45	47	32200	135000	1070000	4510000		
Benzene	4	4.1	5.1	3.1	3.1	< 1.8	3.4	2.9	3.6	15.7	120	524		
Bromodichloromethane	< 4.6	< 4.8	< 5.2	< 6.2	< 3.9	< 3.9	< 4.1	< 4.8	0.759	3.31	25.3	110		
Bromoform	< 19	< 19	< 21	< 25	< 15	< 16	< 17	< 19	25.5	111	851	3720		
Bromomethane	< 6.8	< 7.0	< 7.6	< 9.1	< 5.7	< 5.7	< 6.0	< 7.0	5.21	21.9	174	730		
Carbon disulfide	< 2.2	3.9	3.1	< 3.0	< 1.9	2	< 2.0	< 2.3	730	3070	24300	102000		
Carbon tetrachloride	< 4.6	< 4.8	< 5.2	< 6.2	< 3.9	< 3.9	< 4.1	< 4.8	4.68	20.4	156	681		
Chlorobenzene	< 3.2	< 3.3	< 3.6	< 4.3	< 2.7	< 2.7	< 2.9	< 3.3	52.1	219	1740	7300		
Chloroform	6.3	15	< 4.0	< 4.8	12	< 3.0	< 3.2	< 3.7	1.22	5.33	40.7	178		
cis-1,2-Dichloroethene	< 2.8	< 2.9	< 3.2	< 3.8	< 2.4	< 2.4	14	< 2.9	NS	NS	NS	NS		
cis-1,3-Dichloropropene	< 3.2	< 3.3	< 3.6	< 4.3	< 2.7	< 2.7	< 2.9	< 3.3	NS	NS	NS	NS		
Dibromochloromethane	< 6.1	< 6.2	< 6.8	< 8.2	< 5.1	< 5.1	< 5.4	< 6.2	NS	NS	NS	NS		
Dichlorodifluoromethane	< 3.6	< 3.7	< 4.0	< 4.8	3.2	< 3.0	< 3.2	< 3.7	104	438	3480	14600		
Ethylbenzene	13	11	15	9.2	9.1	3.4	12	8.1	11.2	49.1	374	1640		
Isopropyl Alcohol	1900	410	450	190	360	200	390	820	209	876	6950	29200		
m,p-Xylene	45	46	63	41	< 38	14	51	35	104	438	3480	14600		
Methyl tert-butyl ether	< 2.5	< 2.6	< 2.8	< 3.4	< 2.1	< 2.1	< 2.2	< 2.6	108	472	3600	15700		
Methylene chloride	< 25	< 25	42	< 33	< 21	< 21	< 22	260	626	2630	20900	87600		
Naphthalene	5	7.5	7.5	7.3	6.2	3.9	9	6.3	0.826	3.61	27.5	120		
o-Xylene	16	16	22	14	13	5.4	18	13	104	438	3480	14600		
Styrene	< 3.2	< 3.3	< 3.6	< 4.3	< 2.7	< 2.7	< 2.9	< 3.3	1040	4380	34800	146000		
Tetrachloroethene	48	68	200	86	97	12	30000	200	41.7	175	1390	5840		
Toluene	59	48	70	38	38	15	47	35	5210	21900	174000	730000		
trans-1,2-Dichloroethene	< 2.8	< 2.9	< 3.2	< 3.8	< 2.4	< 2.4	< 2.5	< 2.9	NS	NS	NS	NS		
trans-1,3-Dichloropropene	< 3.2	< 3.3	< 3.6	< 4.3	< 2.7	< 2.7	< 2.9	< 3.3	NS	NS	NS	NS		
Trichloroethene	< 3.9	< 4.0	4.7	< 5.3	< 3.3	< 3.3	350	4.5	2.09	8.76	69.5	292		
Trichlorofluoromethane	< 3.9	< 4.0	< 4.4	< 5.3	< 3.3	< 3.3	< 3.5	< 4.0	NS	NS	NS	NS		
Vinyl acetate	< 25	< 26	< 28	< 34	< 21	< 21	< 22	< 26	209	876	6950	29200		
Vinyl chloride	< 1.8	< 1.8	< 2.0	< 2.4	< 1.5	< 1.5	< 1.6	< 1.8	1.68	27.9	55.9	929		
Xylenes, Total	62	63	85	56	51	19	69	48	104	438	3480	14600		

Notes:

* US EPA Vapor Intrusion Screening Levels (VISL) Calculator (Default Results)

J - Analyte detected below reporting limit

Bold fonts/Shaded boxes indicate the levels exceed the VRSL (Commercial) Quality Standards.

Table 2b - All Soil Gas VOC Analytical Results

						9										e								эс	9	ine											ne	sene		9			
TABULATION	→	thane	thane	ane	sne	enzen	ane	zene	ane	pane	zene					nethan			0	oride			ethene	proper	nethan	ometha		ol		l ether	ide				au		roethe	roprof		lethan			ł
OF SAMPLE ANALYTICAL	ocs.	loroe	loroe	roetha	roethe	lorob	noethi	roben	roeths	roprol	roben	э	0			loron	E	hane	sulfide	rachlc	zene	g	chloro	chloro	hloron	fluore	ene	Alcoh	9	t-buty	chlor	е			oether		Dichlo	Dichlo	thene	uorom	te	ride	otal
RESULTS	~	-Tricl	-Tricl	Dichle	Dichle	-Tricl	Dibroi	Dichle	Dichle	Dichle	Dichle	Dioxa	itanon	one	cene	nodicl	nofon	nomet	on di	on tet	roben	rofon	,2-Di	,3-Di	omoc	lorod	lbenz	ropyl	Xyler	nyl ter	ylene	othale	/lene	ene	achlor	ene	-1,2-I	-1,3-I	hloroe	lorofl	aceta	l chlc	ne - ti
		1,1,1	1,1,2	1,1-I	1,1-I	1,2,4	1,2-I	1,2-I	1,2-I	1,2-I	1,4-I	1,4-I	2-Bu	Acet	Benz	Bron	Bron	Bron	Carb	Carb	Chlo	Chlo	cis-1	cis-1	Dibr	Dich	Ethy	Isopi	-d'u	Metł	Metł	Napł	0-X)	Styr	Tetra	Tolu	trans	trans	Tricl	Trich	Vinyl	Viny	Xyle
Indoor Air Vapor Action	Residential	5210	0.209	17.5	209	2.09	0.047	209	1.08	4.17	2.55	5.62	NV	32200	3.6	0.759	25.5	5.21	730	4.68	52.1	1.22	NS	NS	NS	104	11.2	209	104	108	626	0.826	104	1040	41.7	5210	NS	NS	2.09	NS	209	1.68	104
Levels (VAL)*	Commercial	21900	0.876	76.7	876	8.76	0.204	876	4.72	17.5	11.1	24.5	NV	135000	1.57	3.31	111	21.9	3070	20.4	219	5.33	NS	NS	NS	438	49.1	876	438	472	2630	3.61	438	4380	175	21900	NS	NS	8.76	NS	876	27.9	438
Vapor Risk Screening Levels	Residential	174000	6.95	585	6950	69.5	1.56	6950	36	139	85.1	187	NV	1070000	120	25.3	851	174	24300	156	1740	40.7	NS	NS	NS	3480	374	6950	3480	3600	20900	27.5	3480	34800	1390	174000	NS	NS	69.5	NS	6950	55.9	3480
(VRSL)*	Commercial	730000	29.2	2560	29200	292	6.81	29200	157	584	372	818	NV	4510000	524	110	3720	730	102000	681	7300	178	NS	NS	NS	14600	1640	29200	14600	15700	87600	120	14600	146000	5840	730000	NS	NS	292	NS	29200	929	14600
Sample ID ↓	Date ↓																				Analyti	ical Res	ılts (µg	g/m³) ↓																			
	09/19/2018	< 3.7	< 3.7	< 2.7	< 2.7	< 5.0	< 5.0	< 4.0	< 2.7	< 3.0	< 4.0	< 6.0	< 5.0	< 16	3.7	< 4.3	< 17	< 6.3	7	< 4.3	< 3.0	< 3.3	< 2.7	< 3.0	< 5.7	< 3.3	10		35	< 2.3	<23	< 0.99	13	15	17	57	< 2.7	< 3.0	< 3.7	< 3.7	< 23	< 1.7	49
SV1	07/28/2020	< 3.4	< 3.4	< 2.5	< 2.5	< 4.6 2.5	< 2.1	< 1.7	< 2.5	< 1.3	< 3.7	< 2.6	< 4.6 2.4	9.6	2.3	< 1.9	< 7.4	< 5.9	6.9	< 2.9	< 1.3	5.1	< 2.5	< 1.3	< 2.4	< 3.1	7.2	4400	29	< 2.2	< 9.9	5.7	46	<13	35 43	29	< 2.5	< 1.3	< 1.6	< 1.6	< 10	< 0.71	40 < 18
511	03/26/2021	< 4.7	< 4.7	< 3.5	< 3.4	< 6.4	< 6.7	< 5.2	< 3.5	< 4.0	< 5.2	< 7.8	< 6.4	44	< 2.8	< 5.8	< 22	< 8.4	< 2.7	< 5.5	< 4.0	5.5	< 3.4	< 3.9	< 7.4	< 4.3	6.2	520	26	< 3.1	<30	8.9	10	< 3.7	33	24	< 3.4	< 3.9	< 4.7	< 4.9	< 31	< 2.2	37
	06/16/2021	< 3.9	< 3.9	< 2.8	< 2.8	< 5.3	< 5.3	< 4.3	< 2.8	< 3.2	< 4.3	< 6.4	5.7	54	4	< 4.6	< 19	< 6.8	< 2.2	< 4.6	< 3.2	6.3	< 2.8	< 3.2	< 6.1	< 3.6	13	1900	45	< 2.5	<25	5	16	< 3.2	48	59	< 2.8	< 3.2	< 3.9	< 3.9	< 25	< 1.8	62
	09/19/2018	< 4.0	< 4.0	< 2.9	< 2.9	< 5.5	< 5.5	< 4.4	< 2.9	< 3.3	< 4.4	< 6.6	6.5	< 18	5.2	< 4.8	< 19	< 7.0	15	< 4.8	< 3.3	8.4	< 2.9	< 3.3	< 6.2	< 3.7	12		40	< 2.6	< 25	< 1.1	13	15	1200	62	< 2.9	< 3.3	100	< 4.0	< 26	< 2.8	54
SV2	12/08/2020	< 8.5	< 1.6	< 6.2	< 6.2	~ 12	< 12	< 9.2	< 6.2	< 1.5	< 9.2	< 14	< 2.5	180	8.8	< 10	< 40	< 15	<1.0	< 10	< 0.9	< 1.7	< 0.2	< 1.5	< 1.3	< /./	< 6.9	460	~13	< 1.2	< 11	3.6	< 6.9 2.8	< 0.9	32	5.6	< 0.2	< 1.5	×1.8	< 1.8	< 12	< 0.73	< 20
	03/26/2021	< 4.7	< 4.7	< 3.5	< 3.4	< 6.4	< 6.7	< 5.2	< 3.5	< 4.0	< 5.2	< 7.8	< 6.4	< 21	< 2.8	<5.8	< 22	< 8.4	< 2.7	< 5.5	< 4.0	8.7	< 3.4	< 3.9	< 7.4	< 4.3	< 3.8	130	8.3	< 3.1	< 30	< 4.5	< 3.8	< 3.7	520	6.9	< 3.4	< 3.9	7	< 4.9	< 31	< 2.2	12
	06/16/2021	< 4.0	< 4.0	< 2.9	< 2.9	< 5.5	< 5.5	< 4.4	< 2.9	< 3.3	< 4.4	< 6.6	6.9	73	4.1	< 4.8	< 19	< 7.0	3.9	< 4.8	< 3.3	15	< 2.9	< 3.3	< 6.2	< 3.7	11	410	46	< 2.6	< 25	7.5	16	< 3.3	68	48	< 2.9	< 3.3	< 4.0	< 4.0	< 26	< 1.8	63
SV2-D	12/08/2020	< 2.4	< 2.4	< 1.7	< 1.7	< 3.3	< 3.3	< 2.6	< 1.7	< 2.0	< 2.6	< 3.9	< 3.3	13	< 1.3	< 2.8	< 11	< 4.1	< 1.4	< 2.8	< 2.0	< 2.2	< 1.7	< 2.0	< 3.7	4.2	4.5	45	21	< 1.5	< 15	3.6	7.7	< 2.0	79	17	< 1.7	< 2.0	< 2.4	< 2.4	< 15	< 1.1	29
	07/28/2020	< 8.4	< 8.4	< 6.1	< 6.1	<11	< 11	< 9.2	< 6.1	< 6.9	< 9.2	< 14	<11	45	< 4.6	< 9.9	< 40	< 14	< 4.8	< 9.9	< 6.9	< 7.6	< 6.1	< 6.9	< 13	< 7.6	< 6.9	850	< 13	< 5.3	< 53	< 7.6	< 6.9	< 6.9	790	< 6.1	< 6.1	< 6.9	4.2	< 8.4	< 53	< 3.8	< 20
SV3	12/08/2020	< 1.9	< 1.9	< 1.4	< 1.4	< 2.6	< 2.6	< 3.1	< 1.4	< 1.6	< 2.1	< 3.1	9.6	30	1.7	< 2.2	< 9.0	< 3.3	1.8	< 2.2	< 1.6	1.9	< 1.4	< 1.6	< 2.9	4.1	7.7	410	37	< 1.2	< 12	4	13	< 1.6	130	31	< 1.4	< 1.6	2	< 1.9	<12	< 0.86	50
	03/26/2021	< 4.0	< 4.0	< 3.0	< 2.9	< 5.5	< 5.7	< 4.4	< 3.0	< 3.4	< 4.4	< 6.6	< 5.4	51	< 2.7	< 4.9	< 19	< 7.2	< 2.3	< 4.6	< 3.4	< 3.6	< 2.9	< 3.3	< 6.3	< 3.6	5.8	1700	24	< 2.7	< 26	< 3.9	9	< 3.1	120	21	< 2.9	< 3.3	< 4.0	< 4.1	< 26	< 1.9	33
	06/16/2021	< 4.4	< 4.4	< 3.2	< 3.2	< 6.0	< 6.0	< 4.8	< 3.2	< 3.6	< 4.8	< 7.2	< 6.0	40 25 J	5.1	< 5.2	< 21	< 7.6	3.1	< 5.2	< 3.6	< 4.0	< 3.2	< 3.6	< 6.8	< 4.0	15	450	63 8 C I	< 2.8	42	7.5	22	< 3.6	200	70	< 3.2	< 3.6	4.7	< 4.4	< 28	< 2.0	85
SV3-D	06/16/2018	< 4.0	< 4.0	< 2.9	< 2.9	< 5.5	< 5.5	< 4.4	< 2.9	< 3.3	< 4.4	< 6.6	< 5.5	23 J 47	2.91	< 4.8	< 19	< 7.0	< 2.3	< 4.8	< 3.3	< 3.7	< 2.9	< 3.3	< 6.2	< 3.7	2.2 J 8.1	900 820	8.0 J 35	< 2.6	260	6.3	3.0 J	< 3.3	200	35	< 2.9	< 3.3	3.0 J	< 4.0	< 26	< 1.8	48
	09/19/2018	< 4.1	< 4.1	< 3.0	< 3.0	< 5.6	< 5.6	< 4.4	< 3.0	< 3.3	< 4.4	< 6.7	< 5.6	130	< 2.2	< 4.8	< 19	< 7.0	5.5	< 4.8	< 3.3	< 3.7	< 3.0	< 3.3	< 6.3	< 3.7	4.7		17	< 2.6	< 26	< 1.1	6.9	8.5	52	21	< 3.0	< 3.3	< 4.1	< 4.1	< 26	< 1.9	24
	07/28/2020	< 8.5	< 8.5	< 6.2	< 6.2	< 12	< 12	< 9.3	< 6.2	< 7.0	< 9.3	< 14	< 12	160	< 4.7	< 10	< 40	< 15	8	< 10	< 7	< 7.8	< 6.2	< 7	< 13	< 7.8	8.8	5500	35	< 5.4	< 54	9.4	13	13	460	32	< 6.2	< 7	< 8.5	< 8.5	< 54	< 3.9	49
SV4	12/08/2020	< 1.9	< 1.9	< 1.4	< 1.4	< 2.7	< 2.7	< 2.1	< 1.4	< 1.6	< 2.1	< 3.2	3.6	10	< 1.1	< 2.3	< 9.2	< 3.4	< 1.1	< 2.3	< 1.6	2.4	< 1.4	< 1.6	< 3.0	4	3.4	130	16	< 1.2	< 12	4.4	6.7	< 1.6	160	10	< 1.4	< 1.6	< 1.9	< 1.9	< 12	< 0.88	22
	05/26/2021	< 5.3	< 5.3	< 3.8	< 3.8	< 7.2	< 7.2	< 5.8	< 3.8	< 4.3	< 5.8	< 8.7	< 7.2	31	3.1	< 6.2	< 25	< 9.1	< 3.0	< 6.2	< 4.3	< 4.8	< 3.8	< 4.3	< 8.2	< 4.0	9.2	190	41	< 3.4	< 33	7.3	13	< 4.3	20 86	38	< 3.8	< 4.3	< 5.3	< 5.3	< 34	< 2.4	47
	09/19/2018	< 7.7	< 7.7	< 5.6	< 5.6	< 11	< 11	< 8.4	< 5.6	< 6.3	< 8.4	< 13	< 11	120	4.3	< 9.1	< 36	< 13	5.9	< 9.1	< 6.3	< 7.0	< 5.6	< 6.3	< 12	< 7.0	11		36	< 4.9	< 48	< 2.1	14	13	63	50	< 5.6	< 6.3	< 7.7	< 7.7	< 49	< 3.5	49
	07/28/2020	< 3.4	< 3.4	< 2.5	< 2.5	< 4.7	< 4.7	< 3.8	< 2.5	< 2.8	< 3.8	< 5.6	6.8	190	< 1.9	< 4.1	< 16	< 6	4.3	< 4.1	< 2.8	< 4	< 2.5	< 2.8	< 5.3	< 3.1	4.2	4700	18	< 2.2	< 22	3.3	6.8	4.3	93	21	< 2.5	< 2.8	< 3.4	< 3.4	< 22	< 1.6	25
SV5	12/08/2020	< 2.1	< 2.1	< 1.5	< 1.5	< 2.9	< 2.9	< 2.3	< 1.5	< 1.7	< 2.3	< 3.4	3.2	14	< 1.1	< 2.5	< 10	< 3.6	< 1.2	< 2.5	< 1.7	< 1.9	< 1.5	< 1.7	< 3.3	4.3	3.3	150	14	< 1.3	< 13	4	5.6	< 1.7	170	11	< 1.5	< 1.7	< 2.1	< 2.1	< 13	< 0.96	19
	05/26/2021	< 3.3	< 3.3	< 2.4	< 2.4	< 4.5	< 4.5	< 3.6	< 2.4	< 2.7	< 3.6	< 5.4	< 4.5	36	3.1	< 3.9	< 15	< 5.7	< 1.9	< 3.9	< 2.7	12	< 2.4	< 2.7	< 5.1	3.2	9.1	360	< 38	< 2.1	< 29	6.2	12	< 2.7	88 97	38	< 2.4	< 2.7	< 3.3	< 3.3	< 21	<1.5	42
	07/28/2020	< 3.9	< 3.9	< 2.8	< 2.8	< 5.3	< 5.3	< 4.2	< 2.8	< 3.2	< 4.2	< 6.4	< 5.3	200	< 2.1	< 4.6	< 18	< 6.7	2.4	< 4.6	< 3.2	< 3.5	< 2.8	< 3.2	< 6	< 3.5	6	4500	25	< 2.5	< 24	5.2	9.2	10	160	23	< 2.8	< 3.2	< 3.9	< 3.9	< 25	< 1.8	34
SV6	12/08/2020	< 2.2	< 2.2	< 1.6	< 1.6	< 3.0	< 3.0	< 2.4	< 1.6	< 1.8	< 2.4	< 3.6	3.7	15	< 1.2	< 2.6	< 10	< 3.8	1.8	< 2.6	< 1.8	< 2.0	< 1.6	< 1.8	< 3.4	3.6	5.9	120	28	< 1.4	< 14	3.8	10	< 1.8	150	23	< 1.6	< 1.8	2.4	< 2.2	< 14	< 0.99	39
	03/26/2021	< 4.5	< 4.5	< 3.3	< 3.3	< 6.1	< 6.3	< 4.9	< 3.3	< 3.8	< 4.9	< 7.4	< 6.0	33	< 2.6	< 5.5	< 21	< 8.0	< 2.6	< 5.2	< 3.8	< 4.0	< 3.3	< 3.7	< 7.0	< 4.1	6.4	590	28	< 3.0	< 28	5.4	11	< 3.5	61	23	< 3.3	<3.7	< 4.4	< 4.6	< 29	< 2.1	39
	07/28/2020	< 3.3	< 5.5	< 31	< 2.4	< 4.5	< 58	< 3.6	< 31	< 35	< 3.6	< 5.4	< 4.5	< 190	< 1.8	< 50	< 16	< 7.4	< 24	< 5.9	< 35	< 3.0	< 31	< 35	< 5.1	< 3.0	< 35	4500	14 < 66	< 2.1	< 21	< 39	< 35	< 35	37000	< 31	< 31	< 35	< 3.3 500	< 43	< 21	< 1.5	< 100
c1/7	12/08/2020	< 1.7	< 1.7	< 1.3	< 1.3	< 2.3	< 2.3	< 1.9	< 1.3	< 1.4	< 1.9	< 2.8	< 2.3	9.2	< 0.94	6	< 8.1	< 3.0	< 0.98	< 2.0	< 1.4	5.5	6.6	< 1.4	< 2.7	4.3	< 1.4	69	< 2.7	< 1.1	< 11	2.4	< 1.4	<1.4	9300	1.5	< 1.3	<1.4	190	< 1.7	<11	< 0.78	< 4.1
51/	03/26/2021	< 3.7	< 3.7	< 2.7	< 2.7	< 5.0	< 5.2	< 4.1	< 2.7	< 3.1	< 4.1	< 6.1	< 5.0	45	< 2.2	6.8	<17	< 6.6	< 2.1	< 4.3	< 3.1	7.9	6.8	< 3.1	< 5.8	< 3.3	3.4	770	16	< 2.4	27	3.9	5.9	< 2.9	6800	16	< 2.7	< 3.1	160	< 3.8	< 24	< 1.7	22
 	06/16/2021	< 3.5	< 3.5	< 2.5	< 2.5	< 4.8	< 4.8	< 3.8	< 2.5	< 2.9	< 3.8	< 5.7	< 4.8	45	3.4	< 4.1	< 17	< 6.0	< 2.0	< 4.1	< 2.9	< 3.2	14	< 2.9	< 5.4	< 3.2	12	390	51	< 2.2	< 22	9	18	< 2.9	30000	47	< 2.5	< 2.9	350	< 3.5	< 22	< 1.6	69
SV7-D	07/28/2020	< 4.5	< 4.5	< 3.4	< 3.3	< 6.1	< 6.3	< 5.0	< 3.4	< 3.8	< 5.0	< 7.5	< 6.1	410	< 2.6	< 55	< 220	< 81 < 8.0	< 2.6	< 5.2	< 3.8	< 43	< 54 6.4	< 3.8	< 7.1	< 4.1	< 3.6	29000	< 7.2	< 3.0	< 290	< 4.3	< 3.6	< 3.5	7300	4.4	< 3.3	< 3.8	160	< 4/	< 300	< 2.1	~ 110
Notes:	33/20/2021									2.0	2.0				,						2.0			2.0						2.0													
* US EPA Vapor In	trusion Screenir	ig Levels	(VISL) C	alculato	r (Defaul	lt Result	s)																																				
J - Analyte detected	below reporting	g limit				1.0.5																																					
Boid fonts/Shaded b	poxes indicate th	e ievels e	xceed the	e vrsl (Comme	rcial) Qu	aanty Sta	indards.																																			

FIGURES

Hydrodynamics Consultants, Inc.























APPENDIX I SAMPLE CHAIN-OF-CUSTODY AND LABORATORY ANALYTICAL RESULTS

Hydrodynamics Consultants, Inc.

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

June 24, 2021

Hydrodynamics Consultants, Inc. 5403 Patton Drive Lisle, IL 60532

Telephone: (630) 724-0098 Fax: (800) 881-2051

Analytical Report for STAT Work Order: 21060592 Revision 0

RE: Westwood Cleaners, 8731 W. North Avenue, Wauwatosa, WI

Dear Hydrodynamics Consultants, Inc.:

STAT Analysis received 8 samples for the referenced project on 6/17/2021 2:10:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAP standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Justice Kwateng Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client:	Hydrodynamics Consultants, Inc.	
Project:	Westwood Cleaners, 8731 W. North Avenue, Wauwato	Work Order Sample Summary
Work Order:	21060592 Revision 0	

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
21060592-001A	SV1-4/4		6/16/2021 11:10:00 AM	6/17/2021
21060592-002A	SV2-4/4		6/16/2021 11:35:00 AM	6/17/2021
21060592-003A	SV3-4/4		6/16/2021 12:18:00 PM	6/17/2021
21060592-004A	SV4-4/4		6/16/2021 12:50:00 PM	6/17/2021
21060592-005A	SV5-4/4		6/16/2021 11:20:00 AM	6/17/2021
21060592-006A	SV6-4/4		6/16/2021 1:05:00 PM	6/17/2021
21060592-007A	SV7-4/4		6/16/2021 12:35:00 PM	6/17/2021
21060592-008A	SV3-4/4D		6/16/2021 12:50:00 PM	6/17/2021



Date: June 24, 2021

CLIENT:	Hydrodynamics Consultants, Inc.	
Project:	Westwood Cleaners, 8731 W. North Avenue, Wauwatosa, W	CASE NARRATIVE
Work Order:	21060592 Revision 0	

TO-15 results that are reported in mg/m³ are calculated based on a temperature of 25°C, atmospheric pressure of 760 mm Hg, and the molecular weight of the analyte.

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0

Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Jualifier	Units	DF	Date Analyzed
Lab ID:	21060592-001						
Project:	Westwood Cleaners, 8731	W. North Ave	enue, Wau		Matrix:	Air	
Work Order:	21060592 Revision 0			Collec	tion Date:	6/16/2021	11:10:00 AM
Client:	Hydrodynamics Consultant	ts, Inc.		Client Sa	ample ID:	SV1-4/4	

Volatile Organic Compounds in Air by GC/	IS TO-15		Prep [Date: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0039	mg/m³	2	6/17/2021
1,1,2-Trichloroethane	ND	0.0039	mg/m³	2	6/17/2021
1,1-Dichloroethane	ND	0.0028	mg/m³	2	6/17/2021
1,1-Dichloroethene	ND	0.0028	mg/m³	2	6/17/2021
1,2,4-Trichlorobenzene	ND	0.0053	mg/m³	2	6/17/2021
1,2-Dibromoethane	ND	0.0053	mg/m³	2	6/17/2021
1,2-Dichlorobenzene	ND	0.0043	mg/m³	2	6/17/2021
1,2-Dichloroethane	ND	0.0028	mg/m³	2	6/17/2021
1,2-Dichloropropane	ND	0.0032	mg/m³	2	6/17/2021
1,4-Dichlorobenzene	ND	0.0043	mg/m³	2	6/17/2021
1,4-Dioxane	ND	0.0064	mg/m³	2	6/17/2021
2-Butanone	0.0057	0.0053	mg/m³	2	6/17/2021
Acetone	0.054	0.017	* mg/m³	2	6/17/2021
Benzene	0.0040	0.0021	mg/m³	2	6/17/2021
Bromodichloromethane	ND	0.0046	mg/m³	2	6/17/2021
Bromoform	ND	0.019	mg/m³	2	6/17/2021
Bromomethane	ND	0.0068	mg/m³	2	6/17/2021
Carbon disulfide	ND	0.0022	mg/m³	2	6/17/2021
Carbon tetrachloride	ND	0.0046	mg/m³	2	6/17/2021
Chlorobenzene	ND	0.0032	mg/m³	2	6/17/2021
Chloroform	0.0063	0.0036	mg/m³	2	6/17/2021
cis-1,2-Dichloroethene	ND	0.0028	mg/m³	2	6/17/2021
cis-1,3-Dichloropropene	ND	0.0032	mg/m³	2	6/17/2021
Dibromochloromethane	ND	0.0061	mg/m³	2	6/17/2021
Dichlorodifluoromethane	ND	0.0036	mg/m³	2	6/17/2021
Ethylbenzene	0.013	0.0032	mg/m³	2	6/17/2021
Isopropyl Alcohol	1.9	0.11	mg/m³	25	6/17/2021
m,p-Xylene	0.045	0.0061	mg/m³	2	6/17/2021
Methyl tert-butyl ether	ND	0.0025	mg/m³	2	6/17/2021
Methylene chloride	ND	0.025	mg/m³	2	6/17/2021
Naphthalene	0.0050	0.0036	mg/m³	2	6/17/2021
o-Xylene	0.016	0.0032	mg/m³	2	6/17/2021
Styrene	ND	0.0032	mg/m³	2	6/17/2021
Tetrachloroethene	0.048	0.0050	mg/m³	2	6/17/2021
Toluene	0.059	0.0028	mg/m³	2	6/17/2021
trans-1,2-Dichloroethene	ND	0.0028	mg/m³	2	6/17/2021
trans-1,3-Dichloropropene	ND	0.0032	mg/m³	2	6/17/2021
Trichloroethene	ND	0.0039	mg/m³	2	6/17/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, In 21060592 Revision 0 Westwood Cleaners, 8731 W. 21060592-001	nc. North Avenue	e, Wai	Client Sa Collect u	ample ID: tion Date: Matrix:	SV1-4/4 6/16/2021 Air	11:10:00 AM
Analyses	R	esult	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15 Prep Date: 6/17/2021 Analyst: MAS							

Volutile Organie Competities in All by Come	10 10		1100		
Trichlorofluoromethane	ND	0.0039	mg/m³	2	6/17/2021
Vinyl acetate	ND	0.025	mg/m³	2	6/17/2021
Vinyl chloride	ND	0.0018	mg/m³	2	6/17/2021
Xylenes, Total	0.062	0.0093	mg/m³	2	6/17/2021

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Qualifier	Units	DF	Date Analyzed	
Lab ID:	21060592-002							
Project:	Westwood Cleaners, 8731	W. North Avenue	e, Wau		Matrix:	Air		
Work Order:	21060592 Revision 0			Collection Date:		6/16/2021	1 11:35:00 AM	
Client:	Hydrodynamics Consultan	ts, Inc.		Client S	ample ID:	SV2-4/4		

Volatile Organic Compounds in Air by GC/I	MS TO-15		Prep D	ate: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0040	mg/m³	2	6/17/2021
1,1,2-Trichloroethane	ND	0.0040	mg/m³	2	6/17/2021
1,1-Dichloroethane	ND	0.0029	mg/m³	2	6/17/2021
1,1-Dichloroethene	ND	0.0029	mg/m³	2	6/17/2021
1,2,4-Trichlorobenzene	ND	0.0055	mg/m³	2	6/17/2021
1,2-Dibromoethane	ND	0.0055	mg/m³	2	6/17/2021
1,2-Dichlorobenzene	ND	0.0044	mg/m³	2	6/17/2021
1,2-Dichloroethane	ND	0.0029	mg/m³	2	6/17/2021
1,2-Dichloropropane	ND	0.0033	mg/m³	2	6/17/2021
1,4-Dichlorobenzene	ND	0.0044	mg/m³	2	6/17/2021
1,4-Dioxane	ND	0.0066	mg/m³	2	6/17/2021
2-Butanone	0.0069	0.0055	mg/m³	2	6/17/2021
Acetone	0.073	0.018	* mg/m³	2	6/17/2021
Benzene	0.0041	0.0022	mg/m³	2	6/17/2021
Bromodichloromethane	ND	0.0048	mg/m³	2	6/17/2021
Bromoform	ND	0.019	mg/m³	2	6/17/2021
Bromomethane	ND	0.0070	mg/m³	2	6/17/2021
Carbon disulfide	0.0039	0.0023	mg/m³	2	6/17/2021
Carbon tetrachloride	ND	0.0048	mg/m³	2	6/17/2021
Chlorobenzene	ND	0.0033	mg/m³	2	6/17/2021
Chloroform	0.015	0.0037	mg/m³	2	6/17/2021
cis-1,2-Dichloroethene	ND	0.0029	mg/m³	2	6/17/2021
cis-1,3-Dichloropropene	ND	0.0033	mg/m³	2	6/17/2021
Dibromochloromethane	ND	0.0062	mg/m³	2	6/17/2021
Dichlorodifluoromethane	ND	0.0037	mg/m³	2	6/17/2021
Ethylbenzene	0.011	0.0033	mg/m³	2	6/17/2021
Isopropyl Alcohol	0.41	0.0092	mg/m³	2	6/17/2021
m,p-Xylene	0.046	0.0062	mg/m³	2	6/17/2021
Methyl tert-butyl ether	ND	0.0026	mg/m³	2	6/17/2021
Methylene chloride	ND	0.025	mg/m³	2	6/17/2021
Naphthalene	0.0075	0.0037	mg/m³	2	6/17/2021
o-Xylene	0.017	0.0033	mg/m³	2	6/17/2021
Styrene	ND	0.0033	mg/m³	2	6/17/2021
Tetrachloroethene	0.068	0.0051	mg/m³	2	6/17/2021
Toluene	0.048	0.0029	mg/m³	2	6/17/2021
trans-1,2-Dichloroethene	ND	0.0029	mg/m³	2	6/17/2021
trans-1,3-Dichloropropene	ND	0.0033	mg/m³	2	6/17/2021
Trichloroethene	ND	0.0040	mg/m³	2	6/17/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, 21060592 Revision 0 Westwood Cleaners, 8731 W 21060592-002	Inc. . North Avenue	e, Wau	Client Sa Collec	ample ID: tion Date: Matrix:	SV2-4/4 6/16/2021 11 Air	:35:00 AM
Analyses]	Result	RL (Qualifier	Units	DF	Date Analyzed
Volatile Organic	Compounds in Air by GC/MS	6 TO-15			Prep D	ate: 6/17/202	Analyst: MAS

1	rolatile Organic Compounds in Air by GC/WS	10-15		гіер і		Analyst. WAS
	Trichlorofluoromethane	ND	0.0040	mg/m³	2	6/17/2021
	Vinyl acetate	ND	0.026	mg/m³	2	6/17/2021
	Vinyl chloride	ND	0.0018	mg/m³	2	6/17/2021
	Xylenes, Total	0.063	0.0095	mg/m³	2	6/17/2021

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Qualifier	Units	DF	Date Analyzed
Lab ID:	21060592-003						
Project:	Westwood Cleaners, 8731	W. North Avenue	e, Wau		Matrix:	Air	
Work Order:	21060592 Revision 0			Collec	tion Date:	6/16/2021	12:18:00 PM
Client:	Hydrodynamics Consultan	ts, Inc.		Client S	ample ID:	SV3-4/4	

Volatile Organic Compounds in Air by GC/M	S TO-15			Pre	p Date: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0044		mg/m³	2	6/17/2021
1,1,2-Trichloroethane	ND	0.0044		mg/m³	2	6/17/2021
1,1-Dichloroethane	ND	0.0032		mg/m³	2	6/17/2021
1,1-Dichloroethene	ND	0.0032		mg/m³	2	6/17/2021
1,2,4-Trichlorobenzene	ND	0.0060		mg/m³	2	6/17/2021
1,2-Dibromoethane	ND	0.0060		mg/m³	2	6/17/2021
1,2-Dichlorobenzene	ND	0.0048		mg/m³	2	6/17/2021
1,2-Dichloroethane	ND	0.0032		mg/m³	2	6/17/2021
1,2-Dichloropropane	ND	0.0036		mg/m³	2	6/17/2021
1,4-Dichlorobenzene	ND	0.0048		mg/m³	2	6/17/2021
1,4-Dioxane	ND	0.0072		mg/m³	2	6/17/2021
2-Butanone	ND	0.0060		mg/m³	2	6/17/2021
Acetone	0.040	0.019	*	mg/m³	2	6/17/2021
Benzene	0.0051	0.0024		mg/m³	2	6/17/2021
Bromodichloromethane	ND	0.0052		mg/m³	2	6/17/2021
Bromoform	ND	0.021		mg/m³	2	6/17/2021
Bromomethane	ND	0.0076		mg/m³	2	6/17/2021
Carbon disulfide	0.0031	0.0025		mg/m³	2	6/17/2021
Carbon tetrachloride	ND	0.0052		mg/m³	2	6/17/2021
Chlorobenzene	ND	0.0036		mg/m³	2	6/17/2021
Chloroform	ND	0.0040		mg/m³	2	6/17/2021
cis-1,2-Dichloroethene	ND	0.0032		mg/m³	2	6/17/2021
cis-1,3-Dichloropropene	ND	0.0036		mg/m³	2	6/17/2021
Dibromochloromethane	ND	0.0068		mg/m³	2	6/17/2021
Dichlorodifluoromethane	ND	0.0040		mg/m³	2	6/17/2021
Ethylbenzene	0.015	0.0036		mg/m³	2	6/17/2021
Isopropyl Alcohol	0.45	0.12		mg/m³	25	6/17/2021
m,p-Xylene	0.063	0.0068		mg/m³	2	6/17/2021
Methyl tert-butyl ether	ND	0.0028		mg/m³	2	6/17/2021
Methylene chloride	0.042	0.027		mg/m³	2	6/17/2021
Naphthalene	0.0075	0.0040		mg/m³	2	6/17/2021
o-Xylene	0.022	0.0036		mg/m³	2	6/17/2021
Styrene	ND	0.0036		mg/m³	2	6/17/2021
Tetrachloroethene	0.20	0.0056		mg/m³	2	6/17/2021
Toluene	0.070	0.0032		mg/m³	2	6/17/2021
trans-1,2-Dichloroethene	ND	0.0032		mg/m³	2	6/17/2021
trans-1,3-Dichloropropene	ND	0.0036		mg/m³	2	6/17/2021
Trichloroethene	0.0047	0.0044		mg/m³	2	6/17/2021

Qualifiers: J - A

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	RL ()ualifier	Units	DF	Date Analyzed
Lab ID:	21060592-003				muti ix.	7 111	
Project:	Westwood Cleaners, 873	1 W. North Ave	enue, Wau	conce	Matrix.	Air	21 12.10.00 1 10
Work Order:	21060592 Revision 0			Client Sample ID: Collection Date:		SV3-4/4	4 21 12·18·00 PM
Client:	Hydrodynamics Consulta	ints Inc					

	•				-
Trichlorofluoromethane	ND	0.0044	mg/m³	2	6/17/2021
Vinyl acetate	ND	0.028	mg/m³	2	6/17/2021
Vinyl chloride	ND	0.0020	mg/m³	2	6/17/2021
Xylenes, Total	0.085	0.010	mg/m³	2	6/17/2021

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Qualifier	Units	DF	Date Analyzed
Lab ID:	21060592-004						
Project:	Westwood Cleaners, 8731	W. North Avenue	e, Wau		Matrix:	Air	
Work Order:	21060592 Revision 0			Collec	tion Date:	6/16/2021	12:50:00 PM
Client:	Hydrodynamics Consultan	ts, Inc.		Client S	ample ID:	SV4-4/4	

Volatile Organic Compounds in Air by GC/N	IS TO-15		Pre	ep Date: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0053	mg/m³	2	6/18/2021
1,1,2-Trichloroethane	ND	0.0053	mg/m³	2	6/18/2021
1,1-Dichloroethane	ND	0.0038	mg/m³	2	6/18/2021
1,1-Dichloroethene	ND	0.0038	mg/m³	2	6/18/2021
1,2,4-Trichlorobenzene	ND	0.0072	mg/m³	2	6/18/2021
1,2-Dibromoethane	ND	0.0072	mg/m³	2	6/18/2021
1,2-Dichlorobenzene	ND	0.0058	mg/m³	2	6/18/2021
1,2-Dichloroethane	ND	0.0038	mg/m³	2	6/18/2021
1,2-Dichloropropane	ND	0.0043	mg/m³	2	6/18/2021
1,4-Dichlorobenzene	ND	0.0058	mg/m³	2	6/18/2021
1,4-Dioxane	ND	0.0087	mg/m³	2	6/18/2021
2-Butanone	ND	0.0072	mg/m³	2	6/18/2021
Acetone	0.031	0.023	* mg/m³	2	6/18/2021
Benzene	0.0031	0.0029	mg/m³	2	6/18/2021
Bromodichloromethane	ND	0.0062	mg/m³	2	6/18/2021
Bromoform	ND	0.025	mg/m³	2	6/18/2021
Bromomethane	ND	0.0091	mg/m³	2	6/18/2021
Carbon disulfide	ND	0.0030	mg/m³	2	6/18/2021
Carbon tetrachloride	ND	0.0062	mg/m³	2	6/18/2021
Chlorobenzene	ND	0.0043	mg/m³	2	6/18/2021
Chloroform	ND	0.0048	mg/m³	2	6/18/2021
cis-1,2-Dichloroethene	ND	0.0038	mg/m³	2	6/18/2021
cis-1,3-Dichloropropene	ND	0.0043	mg/m³	2	6/18/2021
Dibromochloromethane	ND	0.0082	mg/m³	2	6/18/2021
Dichlorodifluoromethane	ND	0.0048	mg/m³	2	6/18/2021
Ethylbenzene	0.0092	0.0043	mg/m³	2	6/18/2021
Isopropyl Alcohol	0.19	0.012	mg/m³	2	6/18/2021
m,p-Xylene	0.041	0.0082	mg/m³	2	6/18/2021
Methyl tert-butyl ether	ND	0.0034	mg/m³	2	6/18/2021
Methylene chloride	ND	0.033	mg/m³	2	6/18/2021
Naphthalene	0.0073	0.0048	mg/m³	2	6/18/2021
o-Xylene	0.014	0.0043	mg/m³	2	6/18/2021
Styrene	ND	0.0043	mg/m³	2	6/18/2021
Tetrachloroethene	0.086	0.0067	mg/m³	2	6/18/2021
Toluene	0.038	0.0038	mg/m³	2	6/18/2021
trans-1,2-Dichloroethene	ND	0.0038	mg/m³	2	6/18/2021
trans-1,3-Dichloropropene	ND	0.0043	mg/m³	2	6/18/2021
Trichloroethene	ND	0.0053	mg/m³	2	6/18/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- HT Sample received past holding time
- * Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Vinyl acetate

Vinyl chloride

Xylenes, Total

ANALYTICAL RESULTS

6/18/2021

6/18/2021

6/18/2021

2

2

2

mg/m³

mg/m³

mg/m³

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, I 21060592 Revision 0 Westwood Cleaners, 8731 W. 21060592-004	nc. North Ave	enue, Wa	Client S Collec	ample ID: tion Date: Matrix:	SV4-4/4 6/16/2021 12 Air	:50:00 PM
Analyses	R	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organio	c Compounds in Air by GC/MS ethane	TO-15 ND	0.0053		Prep D ma/m ³	ate: 6/17/2021	Analyst: MAS 6/18/2021

0.034

0.0024

0.012

ND

ND

0.056

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Qualifier	Units	DF	Date Analyzed
Lab ID:	21060592-005						
Project:	Westwood Cleaners, 8731	W. North Avenue	e, Wau		Matrix:	Air	
Work Order:	21060592 Revision 0			Collec	tion Date:	6/16/2021	11:20:00 AM
Client:	Hydrodynamics Consultant	ts, Inc.		Client S	ample ID:	SV5-4/4	

Volatile Organic Compounds in Air by GC/	MS TO-15		Prep Date: 6/17/	2021 Analyst: MAS
1,1,1-Trichloroethane	ND	0.0033	mg/m³ 2	6/18/2021
1,1,2-Trichloroethane	ND	0.0033	mg/m³ 2	6/18/2021
1,1-Dichloroethane	ND	0.0024	mg/m³ 2	6/18/2021
1,1-Dichloroethene	ND	0.0024	mg/m³ 2	6/18/2021
1,2,4-Trichlorobenzene	ND	0.0045	mg/m³ 2	6/18/2021
1,2-Dibromoethane	ND	0.0045	mg/m³ 2	6/18/2021
1,2-Dichlorobenzene	ND	0.0036	mg/m³ 2	6/18/2021
1,2-Dichloroethane	ND	0.0024	mg/m³ 2	6/18/2021
1,2-Dichloropropane	ND	0.0027	mg/m³ 2	6/18/2021
1,4-Dichlorobenzene	ND	0.0036	mg/m³ 2	6/18/2021
1,4-Dioxane	ND	0.0054	mg/m³ 2	6/18/2021
2-Butanone	ND	0.0045	mg/m³ 2	6/18/2021
Acetone	0.036	0.014	* mg/m³ 2	6/18/2021
Benzene	0.0031	0.0018	mg/m³ 2	6/18/2021
Bromodichloromethane	ND	0.0039	mg/m³ 2	6/18/2021
Bromoform	ND	0.015	mg/m³ 2	6/18/2021
Bromomethane	ND	0.0057	mg/m³ 2	6/18/2021
Carbon disulfide	ND	0.0019	mg/m³ 2	6/18/2021
Carbon tetrachloride	ND	0.0039	mg/m³ 2	6/18/2021
Chlorobenzene	ND	0.0027	mg/m³ 2	6/18/2021
Chloroform	0.012	0.0030	mg/m³ 2	6/18/2021
cis-1,2-Dichloroethene	ND	0.0024	mg/m³ 2	6/18/2021
cis-1,3-Dichloropropene	ND	0.0027	mg/m³ 2	6/18/2021
Dibromochloromethane	ND	0.0051	mg/m³ 2	6/18/2021
Dichlorodifluoromethane	0.0032	0.0030	mg/m³ 2	6/18/2021
Ethylbenzene	0.0091	0.0027	mg/m³ 2	6/18/2021
Isopropyl Alcohol	0.36	0.093	mg/m³ 25	6/18/2021
m,p-Xylene	0.038	0.0051	mg/m³ 2	6/18/2021
Methyl tert-butyl ether	ND	0.0021	mg/m³ 2	6/18/2021
Methylene chloride	ND	0.021	mg/m³ 2	6/18/2021
Naphthalene	0.0062	0.0030	mg/m³ 2	6/18/2021
o-Xylene	0.013	0.0027	mg/m³ 2	6/18/2021
Styrene	ND	0.0027	mg/m³ 2	6/18/2021
Tetrachloroethene	0.097	0.0042	mg/m³ 2	6/18/2021
Toluene	0.038	0.0024	mg/m³ 2	6/18/2021
trans-1,2-Dichloroethene	ND	0.0024	mg/m³ 2	6/18/2021
trans-1,3-Dichloropropene	ND	0.0027	mg/m³ 2	6/18/2021
Trichloroethene	ND	0.0033	mg/m³ 2	6/18/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- HT Sample received past holding time
- * Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Vinyl acetate

Vinyl chloride

Xylenes, Total

ANALYTICAL RESULTS

6/18/2021

6/18/2021

6/18/2021

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, Inc. 21060592 Revision 0 Westwood Cleaners, 8731 W. North Avenue, Wau 21060592-005				ample ID: tion Date: Matrix:	SV5-4/4 6/16/2021 11 Air	:20:00 AM
Analyses	R	lesult	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Trichlorofluoromet	Compounds in Air by GC/MS	TO-15 ND	0.0033		Prep D mg/m ³	ate: 6/17/2021 2	Analyst: MAS 6/18/2021

0.021

0.0015

0.0077

mg/m³

mg/m³

mg/m³

2

2

2

ND

ND

0.051

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Jualifier	Units	DF	Date Analyzed
Lab ID:	21060592-006						
Project:	Westwood Cleaners, 8731	W. North Aven	nue, Wau		Matrix:	Air	
Work Order: 21060592 Revision 0		Collection Date:		6/16/2021 1:05:00 PM			
Client:	Hydrodynamics Consultan	ts, Inc.		Client S	ample ID:	SV6-4/4	

Volatile Organic Compounds in Air by GC/M	IS TO-15			Pre	o Date: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0033		mg/m ³	2	6/18/2021
1,1,2-Trichloroethane	ND	0.0033		mg/m³	2	6/18/2021
1,1-Dichloroethane	ND	0.0024		mg/m³	2	6/18/2021
1,1-Dichloroethene	ND	0.0024		mg/m³	2	6/18/2021
1,2,4-Trichlorobenzene	ND	0.0045		mg/m³	2	6/18/2021
1,2-Dibromoethane	ND	0.0045		mg/m³	2	6/18/2021
1,2-Dichlorobenzene	ND	0.0036		mg/m³	2	6/18/2021
1,2-Dichloroethane	ND	0.0024		mg/m³	2	6/18/2021
1,2-Dichloropropane	ND	0.0027		mg/m³	2	6/18/2021
1,4-Dichlorobenzene	ND	0.0036		mg/m³	2	6/18/2021
1,4-Dioxane	ND	0.0054		mg/m³	2	6/18/2021
2-Butanone	ND	0.0045		mg/m³	2	6/18/2021
Acetone	0.11	0.014	*	mg/m³	2	6/18/2021
Benzene	ND	0.0018		mg/m³	2	6/18/2021
Bromodichloromethane	ND	0.0039		mg/m³	2	6/18/2021
Bromoform	ND	0.016		mg/m³	2	6/18/2021
Bromomethane	ND	0.0057		mg/m³	2	6/18/2021
Carbon disulfide	0.0020	0.0019		mg/m³	2	6/18/2021
Carbon tetrachloride	ND	0.0039		mg/m³	2	6/18/2021
Chlorobenzene	ND	0.0027		mg/m³	2	6/18/2021
Chloroform	ND	0.0030		mg/m³	2	6/18/2021
cis-1,2-Dichloroethene	ND	0.0024		mg/m³	2	6/18/2021
cis-1,3-Dichloropropene	ND	0.0027		mg/m³	2	6/18/2021
Dibromochloromethane	ND	0.0051		mg/m³	2	6/18/2021
Dichlorodifluoromethane	ND	0.0030		mg/m³	2	6/18/2021
Ethylbenzene	0.0034	0.0027		mg/m³	2	6/18/2021
Isopropyl Alcohol	0.20	0.0075		mg/m³	2	6/18/2021
m,p-Xylene	0.014	0.0051		mg/m³	2	6/18/2021
Methyl tert-butyl ether	ND	0.0021		mg/m³	2	6/18/2021
Methylene chloride	ND	0.021		mg/m³	2	6/18/2021
Naphthalene	0.0039	0.0030		mg/m³	2	6/18/2021
o-Xylene	0.0054	0.0027		mg/m³	2	6/18/2021
Styrene	ND	0.0027		mg/m³	2	6/18/2021
Tetrachloroethene	0.012	0.0042		mg/m³	2	6/18/2021
Toluene	0.015	0.0024		mg/m³	2	6/18/2021
trans-1,2-Dichloroethene	ND	0.0024		mg/m³	2	6/18/2021
trans-1,3-Dichloropropene	ND	0.0027		mg/m³	2	6/18/2021
Trichloroethene	ND	0.0033		mg/m³	2	6/18/2021

Qualifiers:

ND - Not Detected at the Reporting Limit

- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- HT Sample received past holding time
- * Non-accredited parameter

- RL Reporting / Quantitation Limit for the analysis
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Vinyl acetate

Vinyl chloride

Xylenes, Total

ANALYTICAL RESULTS

6/18/2021

6/18/2021

6/18/2021

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, Inc.Client Sample II21060592Revision 0Collection DateWestwood Cleaners, 8731 W. North Avenue, WauMatri21060592-006Matri				ample ID: tion Date: Matrix:	SV6-4/4 6/16/2021 1:0 Air	95:00 PM
Analyses	R	esult	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Trichlorofluorome	Compounds in Air by GC/MS thane	TO-15 ND	0.0033		Prep D mg/m ³	ate: 6/17/2021 2	Analyst: MAS 6/18/2021

0.021

0.0015

0.0078

mg/m³

mg/m³

mg/m³

2

2

2

ND

ND

0.019

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Qualifier	Units	DF	Date Analyzed
Lab ID:	21060592-007						
Project:	Westwood Cleaners, 8731	W. North Avenue	e, Wau		Matrix:	Air	
Work Order:	21060592 Revision 0			Collec	tion Date:	6/16/2021	12:35:00 PM
Client:	Hydrodynamics Consultan	ts, Inc.		Client S	ample ID:	SV7-4/4	

Volatile Organic Compounds in Air by GC/M	IS TO-15		Prep	Date: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0035	mg/m³	2	6/18/2021
1,1,2-Trichloroethane	ND	0.0035	mg/m³	2	6/18/2021
1,1-Dichloroethane	ND	0.0025	mg/m³	2	6/18/2021
1,1-Dichloroethene	ND	0.0025	mg/m³	2	6/18/2021
1,2,4-Trichlorobenzene	ND	0.0048	mg/m³	2	6/18/2021
1,2-Dibromoethane	ND	0.0048	mg/m³	2	6/18/2021
1,2-Dichlorobenzene	ND	0.0038	mg/m³	2	6/18/2021
1,2-Dichloroethane	ND	0.0025	mg/m³	2	6/18/2021
1,2-Dichloropropane	ND	0.0029	mg/m³	2	6/18/2021
1,4-Dichlorobenzene	ND	0.0038	mg/m³	2	6/18/2021
1,4-Dioxane	ND	0.0057	mg/m³	2	6/18/2021
2-Butanone	ND	0.0048	mg/m³	2	6/18/2021
Acetone	0.045	0.015	* mg/m³	2	6/18/2021
Benzene	0.0034	0.0019	mg/m³	2	6/18/2021
Bromodichloromethane	ND	0.0041	mg/m³	2	6/18/2021
Bromoform	ND	0.017	mg/m³	2	6/18/2021
Bromomethane	ND	0.0060	mg/m³	2	6/18/2021
Carbon disulfide	ND	0.0020	mg/m³	2	6/18/2021
Carbon tetrachloride	ND	0.0041	mg/m³	2	6/18/2021
Chlorobenzene	ND	0.0029	mg/m³	2	6/18/2021
Chloroform	ND	0.0032	mg/m³	2	6/18/2021
cis-1,2-Dichloroethene	0.014	0.0025	mg/m³	2	6/18/2021
cis-1,3-Dichloropropene	ND	0.0029	mg/m³	2	6/18/2021
Dibromochloromethane	ND	0.0054	mg/m³	2	6/18/2021
Dichlorodifluoromethane	ND	0.0032	mg/m³	2	6/18/2021
Ethylbenzene	0.012	0.0029	mg/m³	2	6/18/2021
Isopropyl Alcohol	0.39	0.099	mg/m³	25	6/18/2021
m,p-Xylene	0.051	0.0054	mg/m³	2	6/18/2021
Methyl tert-butyl ether	ND	0.0022	mg/m³	2	6/18/2021
Methylene chloride	ND	0.022	mg/m³	2	6/18/2021
Naphthalene	0.0090	0.0032	mg/m³	2	6/18/2021
o-Xylene	0.018	0.0029	mg/m³	2	6/18/2021
Styrene	ND	0.0029	mg/m³	2	6/18/2021
Tetrachloroethene	30	1.1	mg/m³	500	6/18/2021
Toluene	0.047	0.0025	mg/m³	2	6/18/2021
trans-1,2-Dichloroethene	ND	0.0025	mg/m³	2	6/18/2021
trans-1,3-Dichloropropene	ND	0.0029	mg/m³	2	6/18/2021
Trichloroethene	0.35	0.0035	mg/m³	2	6/18/2021

Qualifiers: J - J

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- HT Sample received past holding time
- * Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Vinyl acetate

Vinyl chloride

ANALYTICAL RESULTS

6/18/2021

6/18/2021

2

2

mg/m³

mg/m³

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, Inc. 21060592 Revision 0 Westwood Cleaners, 8731 W. North Avenue, Wau 21060592-007			Client S Collec	Collection Date: 6/16/2021 12:35:00 PM Matrix: Air		
Analyses	R	lesult	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Trichlorofluorome	Compounds in Air by GC/MS	TO-15 ND	0.0035		Prep D mg/m³	ate: 6/17/2021 2	Analyst: MAS 6/18/2021

Xylenes, Total	0.069	0.0083	mg/m³	2	6/18/2021

0.022

0.0016

ND

ND

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

ANALYTICAL RESULTS

Analyses		Result	RL (Qualifier	Units	DF	Date Analyzed
Lab ID:	21060592-008						
Project:	Westwood Cleaners, 8731	W. North Avenue	e, Wau		Matrix:	Air	
Work Order:	21060592 Revision 0			Collec	tion Date:	6/16/2021	12:50:00 PM
Client:	Hydrodynamics Consultant	ts, Inc.		Client S	ample ID:	SV3-4/4D	

Volatile Organic Compounds in Air by GC/	IS TO-15		Prep	Date: 6/17/2021	Analyst: MAS
1,1,1-Trichloroethane	ND	0.0040	mg/m³	2	6/18/2021
1,1,2-Trichloroethane	ND	0.0040	mg/m³	2	6/18/2021
1,1-Dichloroethane	ND	0.0029	mg/m³	2	6/18/2021
1,1-Dichloroethene	ND	0.0029	mg/m³	2	6/18/2021
1,2,4-Trichlorobenzene	ND	0.0055	mg/m³	2	6/18/2021
1,2-Dibromoethane	ND	0.0055	mg/m³	2	6/18/2021
1,2-Dichlorobenzene	ND	0.0044	mg/m³	2	6/18/2021
1,2-Dichloroethane	ND	0.0029	mg/m³	2	6/18/2021
1,2-Dichloropropane	ND	0.0033	mg/m³	2	6/18/2021
1,4-Dichlorobenzene	ND	0.0044	mg/m³	2	6/18/2021
1,4-Dioxane	ND	0.0066	mg/m³	2	6/18/2021
2-Butanone	ND	0.0055	mg/m³	2	6/18/2021
Acetone	0.047	0.018	* mg/m³	2	6/18/2021
Benzene	0.0029	0.0022	mg/m³	2	6/18/2021
Bromodichloromethane	ND	0.0048	mg/m³	2	6/18/2021
Bromoform	ND	0.019	mg/m³	2	6/18/2021
Bromomethane	ND	0.0070	mg/m³	2	6/18/2021
Carbon disulfide	ND	0.0023	mg/m³	2	6/18/2021
Carbon tetrachloride	ND	0.0048	mg/m³	2	6/18/2021
Chlorobenzene	ND	0.0033	mg/m³	2	6/18/2021
Chloroform	ND	0.0037	mg/m³	2	6/18/2021
cis-1,2-Dichloroethene	ND	0.0029	mg/m³	2	6/18/2021
cis-1,3-Dichloropropene	ND	0.0033	mg/m³	2	6/18/2021
Dibromochloromethane	ND	0.0062	mg/m³	2	6/18/2021
Dichlorodifluoromethane	ND	0.0037	mg/m³	2	6/18/2021
Ethylbenzene	0.0081	0.0033	mg/m³	2	6/18/2021
Isopropyl Alcohol	0.82	0.11	mg/m³	25	6/18/2021
m,p-Xylene	0.035	0.0062	mg/m³	2	6/18/2021
Methyl tert-butyl ether	ND	0.0026	mg/m³	2	6/18/2021
Methylene chloride	0.26	0.025	mg/m³	2	6/18/2021
Naphthalene	0.0063	0.0037	mg/m³	2	6/18/2021
o-Xylene	0.013	0.0033	mg/m³	2	6/18/2021
Styrene	ND	0.0033	mg/m³	2	6/18/2021
Tetrachloroethene	0.20	0.0051	mg/m³	2	6/18/2021
Toluene	0.035	0.0029	mg/m³	2	6/18/2021
trans-1,2-Dichloroethene	ND	0.0029	mg/m³	2	6/18/2021
trans-1,3-Dichloropropene	ND	0.0033	mg/m³	2	6/18/2021
Trichloroethene	0.0045	0.0040	mg/m³	2	6/18/2021

Qualifiers: J - J

- ND Not Detected at the Reporting Limit
- J Analyte detected below quantitation limits
- B Analyte detected in the associated Method Blank
- HT Sample received past holding time
- * Non-accredited parameter

- RL Reporting / Quantitation Limit for the analysis
- S Spike Recovery outside accepted recovery limits
- R RPD outside accepted recovery limits
- E Value above quantitation range
- H Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Vinyl acetate

Vinyl chloride

Xylenes, Total

ANALYTICAL RESULTS

6/18/2021

6/18/2021

6/18/2021

2

2

2

mg/m³

mg/m³

mg/m³

Client: Work Order: Project: Lab ID:	Hydrodynamics Consultants, I 21060592 Revision 0 Westwood Cleaners, 8731 W. 21060592-008	nc. North Ave	nue, Wa	Client S Collec	ample ID: tion Date: Matrix:	SV3-4/4D 6/16/2021 12 Air	:50:00 PM
Analyses	R	esult	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Trichlorofluorome	Compounds in Air by GC/MS	TO-15 ND	0.0040		Prep D mg/m ³	ate: 6/17/2021 2	Analyst: MAS 6/18/2021

0.026

0.0018

0.0095

ND

ND

0.048

	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
Qualifiers:	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation 2201 West Campbell Park Drive. Chicago. Illinois 60612-3547 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: <u>STATinfo@STATAnalysis.com</u> A1HA accredited 10248. NVLAP accredited 101202-0

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Company: Hydrodynamics Cor	nsultant, Inc							P.O.	No.:									
Project Number:			Client	Trac	king	No.:								$\left \right $				$\left \right $
Project Name: Westwood Cleaners								Quot	e No.:			\langle	\backslash	\backslash				$\langle \ \rangle$
Location/Address: 8731 W. North	Avenue, Wa	uwatosa,	M							<u> </u>		\backslash		\backslash				
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cccived By: (Signature)		D	tte/Time	ľ.	a	12 0	C	- Cont	viner OK			Yes	No		2	10605	26	
celingquished By: (Signature)	al Car	Da	ite/Time	121	0	141		- Samp	es Leakin;	-		Yes	No		Preservation	n Code:		1
teceived By: (Signature)	25	Da	ite/Time: 🖌	1111	1 4	14:11	0	- Refri	cerated (T	emp: HW	. C	Yes	°Z		A = None	B = HNO	C = NaOH	
celingquished By: (Signature)	2	Da	ite/Time:	-	4	-		- Samp	le Labels	Match Samp	le ID	Yes	No.		$D = H_2 SO_4$	E = HCI	F = 5035/EnCol	re.

Sample Receipt Checklist

Client Name HYDRODYNAMICS		Date and Time	e Received:	6/17/2021 2:10:00 PM
Work Order Number 21060592		Received by:	EAA	
Checklist completed by: Signature G. Date	117/21	Reviewed by:	J. A Initials	6/22/2021 Date/
Carrier name	STAT Analysis			
Shipping container/cooler in good condition?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗹	
Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹	ан а
Chain of custody present?	Yes 🗹	No 🗌		
Chain of custody signed when relinquished and received?	Yes 🗸	No 🗌		
Chain of custody agrees with sample labels/containers?	Yes 🗹	No 🗌		
Samples in proper container/bottle?	Yes 🗹	No 🗌		
Sample containers intact?	Yes 🔽	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗸	No 🗌		· · · ·
All samples received within holding time?	Yes 🖌	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗌	Temperature	Ambient °C
Water - VOA vials have zero headspace? No VOA vials subm	nitted	Yes 📓	No 🔳	
Water - Samples pH checked?	Yes 🔳	No	Checked by:	
Water - Samples properly preserved?	Yes	No	pH Adjusted?	
Any No response must be detailed in the comments section below.				
Comments:				
				· · · · · · · · · · · · · · · · · · ·
Client / Person contacted: Date contacted:		Contac	cted by:	
Response:				

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

June 24, 2021

Hydrodynamics Consultants, Inc. 5403 Patton Drive Lisle, IL 60532

Telephone: (630) 724-0098 Fax: (800) 881-2051

Analytical Report for STAT Work Order: 21060594 Revision 0

RE: Westwood Cleaners, 8731 West North Ave., Wauwatosa, WI 53226

Dear Hydrodynamics Consultants, Inc.:

STAT Analysis received 11 samples for the referenced project on 6/17/2021 2:10:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements specifed in WI DNR Chapter NR 149 (Certification Number 399099910). Analyses were performed in accordance with methods as referenced on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. A listing of accredited methods/parameters can also be provided.

For sample results requiring adjustment for dilutions, the detection and reporting limits are adjusted for the corresponding dilution factor. Analytical results expressed on a dry weight basis have units of mg/Kg-dry or μ g/Kg-dry on the analytical report. Corresponding reporting limits are adjusted for dry weight.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Justice Kwateng

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples as received and tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

11/4	nouynamics Consultants, mc.	
Project: Wes	stwood Cleaners, 8731 West North Ave., Wauwatos	Work Order Sample Summary
Work Order: 210	60594 Revision 0	

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
21060594-001A	MW 1-4/4		6/16/2021 11:30:00 AM	6/17/2021
21060594-002A	MW 2-4/4		6/16/2021 11:37:00 AM	6/17/2021
21060594-003A	MW 3-4/4		6/16/2021 11:44:00 AM	6/17/2021
21060594-004A	MW 4-4/4		6/16/2021 11:50:00 AM	6/17/2021
21060594-005A	MW 5-4/4		6/16/2021 11:56:00 AM	6/17/2021
21060594-006A	MW 6-4/4		6/16/2021 12:03:00 PM	6/17/2021
21060594-007A	MW 6-4/4-D		6/16/2021 12:06:00 PM	6/17/2021
21060594-008A	MW 7-4/4		6/16/2021 12:13:00 PM	6/17/2021
21060594-009A	MW 8-4/4		6/16/2021 12:20:00 PM	6/17/2021
21060594-010A	MW 9-4/4		6/16/2021 12:28:00 PM	6/17/2021
21060594-011A	Trip Blank		6/16/2021 8:35:00 AM	6/17/2021

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-001				IVI		QUEOU	3
Project:	Westwood Cleaners, 8731	West North	n Ave., Wauv	vato	Conection	Date: $0/$		11.30.00 AM
Work Order:	21060594 Revision 0				Collection	Doto: 6/	16/2021	11.20.00 AM
CLIENT:	Hydrodynamics Consultants	s, Inc.			Client Som	ь т , м	\mathbf{W} 1 A/A	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: ERP	
Acetone	ND	0.020	0.0031	mg/L	1	6/22/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/22/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/22/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/22/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/22/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/22/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/22/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/22/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/22/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/22/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/22/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/22/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/22/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/22/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-002				101	latrix: A	QUEUU	5
Project:	Westwood Cleaners, 8731 W	Vest North	n Ave., Wau	wato	Conection	Dale: 0/	$\frac{10}{2021}$	11:57:00 AM
Work Order:	21060594 Revision 0				Collection	Doto: 6/	W 2-4/4	11.27.00 AM
CLIENT:	Hydrodynamics Consultants	, Inc.			Client Some	ь т , м	W 2 A/A	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: ERP	
Acetone	ND	0.020	0.0031	mg/L	1	6/22/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/22/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/22/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/22/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/22/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/22/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/22/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/22/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/22/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/22/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/22/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/22/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/22/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/22/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-003				101	atrix: A	QUEUU;	3
Project:	Westwood Cleaners, 8731	West North	n Ave., Wauv	vato	Conection	Date: $0/$		11.44.00 AM
Work Order:	21060594 Revision 0				Collection	Doto: $6/$	16/2021	11.44.00 AM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Some	lo ID• M	W 3 1/1	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: ERP
Acetone	ND	0.020	0.0031	mg/L	1	6/22/2021
Benzene	ND	0.0050	0.0002	mg/L	1	6/22/2021
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
Bromoform	ND	0.0010	0.0003	mg/L	1	6/22/2021
Bromomethane	ND	0.0050	0.002	mg/L	1	6/22/2021
2-Butanone	ND	0.020	0.0016	mg/L	1	6/22/2021
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/22/2021
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/22/2021
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/22/2021
Chloroethane	ND	0.010	0.0005	mg/L	1	6/22/2021
Chloroform	ND	0.0010	0.0001	mg/L	1	6/22/2021
Chloromethane	ND	0.010	0.0003	mg/L	1	6/22/2021
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/22/2021
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/22/2021
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/22/2021
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/22/2021
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/22/2021
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/22/2021
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/22/2021
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/22/2021
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/22/2021
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/22/2021
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/22/2021
Styrene	ND	0.0050	0.0003	mg/L	1	6/22/2021
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021
Toluene	ND	0.0050	0.0004	mg/L	1	6/22/2021
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/22/2021
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/22/2021

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-004				IVI		QUEUU	3
Project:	Westwood Cleaners, 8731	West North	n Ave., Wauv	vato	Conection	Date: 0/		11.30.00 AM
Work Order:	21060594 Revision 0					Dete: $6/$	(16/2021	11.50.00 AM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Some	ь D , M	$\mathbf{W} \mathbf{A} \mathbf{A} \mathbf{A}$	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: ERP
Acetone	ND	0.020	0.0031	mg/L	1	6/22/2021
Benzene	ND	0.0050	0.0002	mg/L	1	6/22/2021
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
Bromoform	ND	0.0010	0.0003	mg/L	1	6/22/2021
Bromomethane	ND	0.0050	0.002	mg/L	1	6/22/2021
2-Butanone	ND	0.020	0.0016	mg/L	1	6/22/2021
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/22/2021
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/22/2021
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/22/2021
Chloroethane	ND	0.010	0.0005	mg/L	1	6/22/2021
Chloroform	ND	0.0010	0.0001	mg/L	1	6/22/2021
Chloromethane	ND	0.010	0.0003	mg/L	1	6/22/2021
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/22/2021
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/22/2021
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/22/2021
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/22/2021
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/22/2021
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/22/2021
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/22/2021
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/22/2021
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/22/2021
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/22/2021
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/22/2021
Styrene	ND	0.0050	0.0003	mg/L	1	6/22/2021
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021
Toluene	ND	0.0050	0.0004	mg/L	1	6/22/2021
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/22/2021
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/22/2021

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-005				IVI	aurix: A	QUEUU	3
Project:	Westwood Cleaners, 8731 V	West North	n Ave., Wauv	vato	Conection	Date: $0/$		11.30.00 AM
Work Order:	21060594 Revision 0				Collection	Dete: $6/$	16/2021	11.56.00 AM
CLIENT:	Hydrodynamics Consultants	s, Inc.			Client Somn	lo ID+ M	TW 5 1/1	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: ERP	
Acetone	ND	0.020	0.0031	mg/L	1	6/22/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/22/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/22/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/22/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/22/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/22/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/22/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/22/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/22/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/22/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/22/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/22/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Tetrachloroethene	0.034	0.0050	0.0003	mg/L	1	6/22/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/22/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/22/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-006				IVI	aurix: A	QUEUU	3
Project:	Westwood Cleaners, 8731	West North	n Ave., Wauv	vato	Conection	Date: 0/		12.03.00 FW
Work Order:	21060594 Revision 0				Collection	$\mathbf{D}_{0} \mathbf{D}_{0} \mathbf{D}_{0} \mathbf{D}_{0} \mathbf{D}_{0}$	/16/2021	12.03.00 PM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Somn	lo ID+ M	$\mathbf{W} \in \Lambda/\Lambda$	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: ERP	
Acetone	ND	0.020	0.0031	mg/L	1	6/22/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/22/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/22/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/22/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/22/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/22/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/22/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/22/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/22/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/22/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/22/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/22/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/22/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/22/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/22/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/22/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/22/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/22/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/22/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/22/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/22/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-007				IVI	atrix: A	QUEUU	3
Project:	Westwood Cleaners, 8731 West North Ave., Wauwato				Matrine AOUEOUS			
Work Order:	21060594 Revision 0				Collection	Doto: 6	1 • • • • • • • • • • • • • • • • • • •	-D 12.06.00 DM
CLIENT:	Hydrodynamics Consultants		Client Somm		TW 6 A/A	D		

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: CBG	
Acetone		0.020	0.0031	mg/L	1	6/23/2021	
Benzene		0.0050	0.0002	mg/L	1	6/23/2021	
Bromodichloromethane		0.0050	0.0002	mg/L	1	6/23/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/23/2021	
Bromomethane		0.0050	0.002	mg/L	1	6/23/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/23/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/23/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/23/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/23/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/23/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/23/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/23/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/23/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/23/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/23/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/23/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded
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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-008				IVI	latrix: A	QUEUU	3
Project:	Westwood Cleaners, 8731	vato	Motrin: AOUEOUS			12.13.00 FIVI		
Work Order:	21060594 Revision 0				Collection	Dete: 6/	16/2021	12.12.00 DM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Some	ь т. м	W 7 4/4	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: CBG	
Acetone	ND	0.020	0.0031	mg/L	1	6/23/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/23/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/23/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/23/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/23/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/23/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/23/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/23/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/23/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/23/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/23/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/23/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/23/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/23/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-009				IVI	atrix: A	QUEUU	3
Project:	Westwood Cleaners, 8731	vato	Conection	Date: 0/		12.20.00 FIVI		
Work Order:	21060594 Revision 0					Doto: $6/$	16/2021	12.20.00 PM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Som	ь т , м	W Q A/A	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: CBG	
Acetone	ND	0.020	0.0031	mg/L	1	6/23/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/23/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/23/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/23/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/23/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/23/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/23/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/23/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/23/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/23/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/23/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/23/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/23/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/23/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-010				IVI		QUEUU	3
Project:	Westwood Cleaners, 8731	Conection	Date: $0/$		12.20.00 PW			
Work Order:	21060594 Revision 0				Collection	Doto: 6/	16/2021	12.28.00 DM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Som	ь т , м		

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: CBG	
Acetone	ND	0.020	0.0031	mg/L	1	6/23/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/23/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/23/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/23/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/23/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/23/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/23/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/23/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/23/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/23/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/23/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/23/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/23/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/23/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766 Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com Accreditations: WI DNR 399099910; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0

Date Reported:June 24, 2021Date Printed:June 24, 2021

Analyses		Result	LOQ	LOD	Qualifier	Units	DF	Date Analyzed
Lab ID:	21060594-011				10.	latrix: A	QUEOU:	5
Project:	Westwood Cleaners, 8731	West North	h Ave., Wau	wato	Conection	$\mathbf{Date: } 0 1$	$\frac{10}{2021}$	8:55:00 AM
Work Order:	21060594 Revision 0				Collection	Dete: $6/1$	16/2021	9.25.00 AM
CLIENT:	Hydrodynamics Consultant	s, Inc.			Client Some		in Blank	

Volatile Organic Compounds by GC/MS		SW8260B	(SW5030B)	Prep Date:		Analyst: CBG	
Acetone	ND	0.020	0.0031	mg/L	1	6/23/2021	
Benzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromodichloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Bromoform	ND	0.0010	0.0003	mg/L	1	6/23/2021	
Bromomethane	ND	0.0050	0.002	mg/L	1	6/23/2021	
2-Butanone	ND	0.020	0.0016	mg/L	1	6/23/2021	
Carbon disulfide	ND	0.010	0.0003	mg/L	1	6/23/2021	
Carbon tetrachloride	ND	0.0050	0.001	mg/L	1	6/23/2021	
Chlorobenzene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Chloroethane	ND	0.010	0.0005	mg/L	1	6/23/2021	
Chloroform	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Chloromethane	ND	0.010	0.0003	mg/L	1	6/23/2021	
Dibromochloromethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,2-Dichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1-Dichloroethene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
cis-1,2-Dichloroethene	ND	0.0050	0.0002	mg/L	1	6/23/2021	
trans-1,2-Dichloroethene	ND	0.0050	0.0005	mg/L	1	6/23/2021	
1,2-Dichloropropane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
cis-1,3-Dichloropropene	ND	0.0010	0.0002	mg/L	1	6/23/2021	
trans-1,3-Dichloropropene	ND	0.0010	0.0001	mg/L	1	6/23/2021	
Ethylbenzene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
2-Hexanone	ND	0.020	0.0002	mg/L	1	6/23/2021	
4-Methyl-2-pentanone	ND	0.020	0.0007	mg/L	1	6/23/2021	
Methylene chloride	ND	0.0050	0.0002	mg/L	1	6/23/2021	
Methyl tert-butyl ether	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Styrene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
1,1,2,2-Tetrachloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Tetrachloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Toluene	ND	0.0050	0.0004	mg/L	1	6/23/2021	
1,1,1-Trichloroethane	ND	0.0050	0.0002	mg/L	1	6/23/2021	
1,1,2-Trichloroethane	ND	0.0050	0.0001	mg/L	1	6/23/2021	
Trichloroethene	ND	0.0050	0.0003	mg/L	1	6/23/2021	
Vinyl chloride	ND	0.0020	0.0003	mg/L	1	6/23/2021	
Xylenes, Total	ND	0.015	0.001	mg/L	1	6/23/2021	

	ND - Not Detected at the LOD	LOD/LOQ - Limit of Detection / Limit Of Qantitation for the analysis
Qualifiers:	J - Analyte detected below LOQ	S - Spike Recovery outside accepted recovery limits
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	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation 2201 West Campbell Park Drive. Chicago, Illinois 60612-3547 Phone: (312) 733-0551 Fax: (312) 733-2386 e-mail address: <u>STATinfo@STATAnalysis.com</u> A1HA accredited 10248, NVLAP accredited 101202-0

				CHA	IN OF	CUSTODY RECORI		No:		Pa	lge: 1	of 1
Company: Hydro	odynamics Con	sultant, In	ں ن			P.O. No.:						
Project Number:		Clien	t Track	ting No	0.:	-	-					
Project Name:	Westwood Cle	aners			_	Quote No.:	-	\langle			$\langle \rangle$	
Location/Address: 8731 We	st North Ave., \	Vauwatos	ia, WI	53226		, T						
Sampler(s):	Yinong Ha	E					-					
Report To: Yong Y	'n	Phone	(9) (9)	30) 72	4-0098						\langle	Turn Around
QC Level: 1 2 3	4	Fax:	(8)	00) 88	1-2051			\sum				NINOW UNIT
Regulatory Program: NPEDS/MWRI	D RCRA SDW/	A SRP TA	CO Ot	her:								Results Needed:
Client Sample Number/Description:	Date Tim Taken Take	e ₽ Matrix	.qmoD	Grab.	No. o Contain	ars 10C3		$\backslash \rangle$		Rem	arks	am pm
MW 1-4/4	6/16/21 11:3	8		×	с S							
MW 2-4/4	6/16/21 11:3	M 7		×	33	×						100
MW 3-4/4	6/16/21 11:4	4 V		×	3 3 3	×						
MW 4-4/4	6/16/21 11:5	N 0		×	ss 3	×						805
MW 5-4/4	6/16/21 11:5	8 9		×	3 3 3	×						11
MW 6-4/4	6/16/21 12:0	× ع		×	с S	×						202
MW 6-4/4-D	6/16/21 12:0	× 9		×	3 3	×						000
MW 7-4/4	6/16/21 12:1	м ЭЭ		×	с S	×						1000
MW 8-4/4	6/16/21 12:2	۸ ٥		×	с S	×						000
MW 9-4/4	6/16/21 12:2	8		×	с S	×						6,0
TRIP BLANK	6/16/21 8:3	N		ΥΨ	s S	×						010
												- 1 >
Keinigquished By: (Signature)		ate/Time: 6,		7		Laboratory Use:	Sai	mple Ver	ification:	Work Order	No.:	
Received By: (Signature)		ate/Time:		2	90	- Container OK	Y	es	No	210	, 605 6	14
Relingquished By: (Signature)		ate/Time:	11/2	1/4	Ŋ	- Sampes Leaking	Y	es	No	Preservation Co	ode:	
Received By: (Signature)	d L D	ate/Time: 6	11/2	1 14	-110	- Refrigerated (Temp: 3.	7°C) Y	S.	No	A = None B	= HNO	= NaOH
Relingquished By: (Signature)	D	ate/Time:				- Sample Labels Match Sa	ample ID Y	es	No.	$D = H_sO_4 E$	= HCI F :	= 5035/EnCore

Sample Receipt Checklist

Client Name HYDRODYNAMICS		Date and Tin	ne Received:	6/17/2021 2:10:00 PM
Work Order Number 21060594		Received by:	EAA	
Checklist completed by: 46 b Signature Date	117/21	Reviewed by	Initials	6/17/2021 Date
Matrix: Carrier name	STAT Analysis			
Shipping container/cooler in good condition?	Yes 🖌	No 🗌	Not Present	
Custody seals intact on shippping container/cooler?	Yes	No 🗌	Not Present 🗹	
Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?	Yes 🖌	Νο		
Chain of custody signed when relinquished and received?	Yes 🗹	No 🗌		· · · · ·
Chain of custody agrees with sample labels/containers?	Yes 🗹	No 🗌		
Samples in proper container/bottle?	Yes 🔽	No 🗌		
Sample containers intact?	Yes 🗹	No 🗌		
Sufficient sample volume for indicated test?	Yes 🗹	No 🗌		
All samples received within holding time?	Yes 🗹	No 🗌		
Container or Temp Blank temperature in compliance?	Yes 🗹	No 🗌	Temperature	e 3.7 °C
Water - VOA vials have zero headspace? No VOA vials subn	nitted	Yes 🗸	No	
Water - Samples pH checked?	Yes 🔳	No 🔳	Checked by:	
Water - Samples properly preserved?	Yes 🔳	No 📖	pH Adjusted?	
Any No response must be detailed in the comments section below.			-	
Comments:				
				· · · ·
Client / Person Date contacted:		Conta	cted by:	
Response:				
				· ····