

Notice: Use this form to request a **written response (on agency letterhead)** from the Department of Natural Resources (DNR) regarding technical assistance, a post-closure change to a site, a specialized agreement or liability clarification for Property with known or suspected environmental contamination. A fee will be required as is authorized by s. 292.55, Wis. Stats., and NR 749, Wis. Adm. Code., unless noted in the instructions below. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31 - 19.39, Wis. Stats.].

Definitions

"Property" refers to the subject Property that is perceived to have been or has been impacted by the discharge of hazardous substances.

"Liability Clarification" refers to a written determination by the Department provided in response to a request made on this form. The response clarifies whether a person is or may become liable for the environmental contamination of a Property, as provided in s. 292.55, Wis. Stats.

"Technical Assistance" refers to the Department's assistance or comments on the planning and implementation of an environmental investigation or environmental cleanup on a Property in response to a request made on this form as provided in s. 292.55, Wis. Stats.

"Post-closure modification" refers to changes to Property boundaries and/or continuing obligations for Properties or sites that received closure letters for which continuing obligations have been applied or where contamination remains. Many, but not all, of these sites are included on the GIS Registry layer of RR Sites Map to provide public notice of residual contamination and continuing obligations.

Select the Correct Form

This form should be used to request the following from the DNR:

- Technical Assistance
- Liability Clarification
- Post-Closure Modifications
- Specialized Agreements (tax cancellation, negotiated agreements, etc.)

Do not use this form if one of the following applies:

- Request for an **off-site liability exemption or clarification** for Property that has been or is perceived to be contaminated by one or more hazardous substances that originated on another Property containing the source of the contamination. Use DNR's Off-Site Liability Exemption and Liability Clarification Application Form 4400-201.
- Submittal of an Environmental Assessment for the **Lender Liability Exemption**, s 292.21, Wis. Stats., **if no response or review by DNR is requested**. Use the Lender Liability Exemption Environmental Assessment Tracking Form 4400-196.
- Request for an **exemption to develop on a historic fill site** or licensed landfill. Use DNR's Form 4400-226 or 4400-226A.
- **Request for closure** for Property where the investigation and cleanup actions are completed. Use DNR's Case Closure - GIS Registry Form 4400-202.

All forms, publications and additional information are available on the internet at: dnr.wi.gov/topic/Brownfields/Pubs.html.

Instructions

1. Complete sections 1, 2, 6 and 7 for all requests. Be sure to provide adequate and complete information.
2. Select the type of assistance requested: Section 3 for technical assistance or post-closure modifications, Section 4 for a written determination or clarification of environmental liabilities; or Section 5 for a specialized agreement.
3. Include the fee payment that is listed in Section 3, 4, or 5, unless you are a "Voluntary Party" enrolled in the Voluntary Party Liability Exemption Program **and** the questions in Section 2 direct otherwise. Information on to whom and where to send the fee is found in Section 8 of this form.
4. Send the completed request, supporting materials and the fee to the appropriate DNR regional office where the Property is located. See the map on the last page of this form. A paper copy of the signed form and all reports and supporting materials shall be sent with an **electronic copy of the form and supporting materials** on a compact disk. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>

The time required for DNR's determination varies depending on the complexity of the site, and the clarity and completeness of the request and supporting documentation.

Technical Assistance, Environmental Liability Clarification or Post-Closure Modification Request

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Section 1. Contact and Recipient Information

Requester Information

This is the person requesting technical assistance or a post-closure modification review, that his or her liability be clarified or a specialized agreement and is identified as the requester in Section 7. DNR will address its response letter to this person.

Last Name Jurzenas	First Joe	MI	Organization/ Business Name Mojo Franklin St LLC
Mailing Address 530 Franklin Street			City Oconomowoc
			State WI
			ZIP Code 53066
Phone # (include area code) (262) 751-4707	Fax # (include area code)	Email jjurzenas@briohn.com	

The requester listed above: (select all that apply)

- Is currently the owner
 Is considering selling the Property
 Is renting or leasing the Property
 Is considering acquiring the Property
 Is a lender with a mortgagee interest in the Property
 Other. Explain the status of the Property with respect to the applicant:

Contact Information (to be contacted with questions about this request)

Select if same as requester

Contact Last Name Fellenz	First Linda	MI J	Organization/ Business Name LF Green Development, LLC
Mailing Address 5600 W. Brown Deer Road, Suite 104			City Milwaukee
			State WI
			ZIP Code 53223
Phone # (include area code) (414) 254-4813	Fax # (include area code)	Email lfellenz@lfgreendevlopment.com	

Environmental Consultant (if applicable)

Contact Last Name Juno	First Katherine	MI M	Organization/ Business Name LF Green Development, LLC
Mailing Address 5600 W. Brown Deer Road, Suite 104			City Milwaukee
			State WI
			ZIP Code 53223
Phone # (include area code) (262) 719-4501	Fax # (include area code)	Email katejuno@lfgreendevlopment.com	

Section 2. Property Information

Property Name Quick Cleaners (Former)	FID No. (if known) 268189680
BRRTS No. (if known) 02-68-280310	Parcel Identification Number OCOC0560254
Street Address 530 Franklin Street	City Oconomowoc
State WI	ZIP Code 53066
County Waukesha	Municipality where the Property is located <input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village of Oconomowoc
Property is composed of: <input checked="" type="radio"/> Single tax parcel <input type="radio"/> Multiple tax parcels	Property Size Acres 1

**Technical Assistance, Environmental Liability
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1. Is a response needed by a specific date? (e.g., Property closing date) Note: Most requests are completed within 60 days. Please plan accordingly.

No Yes

Date requested by: 06/11/2021

Reason: Requester wishes to proceed with the work as soon as the work plan is approved.

2. Is the "Requester" enrolled as a Voluntary Party in the Voluntary Party Liability Exemption (VPLE) program?

- No. **Include the fee that is required for your request in Section 3, 4 or 5.**
 Yes. **Do not include a separate fee.** This request will be billed separately through the VPLE Program.

Fill out the information in Section 3, 4 or 5 which corresponds with the type of request:

**Section 3. Technical Assistance or Post-Closure Modifications;
Section 4. Liability Clarification; or Section 5. Specialized Agreement.**

Section 3. Request for Technical Assistance or Post-Closure Modification

Select the type of technical assistance requested: [Numbers in brackets are for WI DNR Use]

- No Further Action Letter (NFA) (Immediate Actions) - NR 708.09, [183] - **Include a fee of \$350.** Use for a written response to an immediate action after a discharge of a hazardous substance occurs. Generally, these are for a one-time spill event.
- Review of Site Investigation Work Plan - NR 716.09, [135] - **Include a fee of \$700.**
- Review of Site Investigation Report - NR 716.15, [137] - **Include a fee of \$1050.**
- Approval of a Site-Specific Soil Cleanup Standard - NR 720.10 or 12, [67] - **Include a fee of \$1050.**
- Review of a Remedial Action Options Report - NR 722.13, [143] - **Include a fee of \$1050.**
- Review of a Remedial Action Design Report - NR 724.09, [148] - **Include a fee of \$1050.**
- Review of a Remedial Action Documentation Report - NR 724.15, [152] - **Include a fee of \$350**
- Review of a Long-term Monitoring Plan - NR 724.17, [25] - **Include a fee of \$425.**
- Review of an Operation and Maintenance Plan - NR 724.13, [192] - **Include a fee of \$425.**

Other Technical Assistance - s. 292.55, Wis. Stats. [97] (For request to build on an abandoned landfill use Form 4400-226)

- Schedule a Technical Assistance Meeting - **Include a fee of \$700.**
- Hazardous Waste Determination - **Include a fee of \$700.**
- Other Technical Assistance - **Include a fee of \$700.** Explain your request in an attachment.

Post-Closure Modifications - NR 727, [181]

- Post-Closure Modifications: Modification to Property boundaries and/or continuing obligations of a closed site or Property; sites may be on the GIS Registry. This also includes removal of a site or Property from the GIS Registry. **Include a fee of \$1050, and:**
 - Include a fee of \$300 for sites with residual soil contamination; and
 - Include a fee of \$350 for sites with residual groundwater contamination, monitoring wells or for vapor intrusion continuing obligations.

Attach a description of the changes you are proposing, and documentation as to why the changes are needed (if the change to a Property, site or continuing obligation will result in revised maps, maintenance plans or photographs, those documents may be submitted later in the approval process, on a case-by-case basis).

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Skip Sections 4 and 5 if the technical assistance you are requesting is listed above and complete Sections 6 and 7 of this form.

Section 5. Request for a Specialized Agreement

Select the type of agreement needed. Include the appropriate draft agreements and supporting materials. Complete Sections 6 and 7 of this form. More information and model draft agreements are available at: dnr.wi.gov/topic/Brownfields/lgu.html#tabx4.

- Tax cancellation agreement - s. 75.105(2)(d), Wis. Stats. [654]
❖ **Include a fee of \$700, and the information listed below:**
(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description.
- Agreement for assignment of tax foreclosure judgement - s.75.106, Wis. Stats. [666]
❖ **Include a fee of \$700, and the information listed below:**
(1) Phase I and II Environmental Site Assessment Reports,
(2) a copy of the Property deed with the correct legal description.
- Negotiated agreement - Enforceable contract for non-emergency remediation - s. 292.11(7)(d) and (e), Wis. Stats. [630]
❖ **Include a fee of \$1400, and the information listed below:**
(1) a draft schedule for remediation; and,
(2) the name, mailing address, phone and email for each party to the agreement.

Section 6. Other Information Submitted

Identify all materials that are included with this request.

Send both a paper copy of the signed form and all reports and supporting materials, and an electronic copy of the form and all reports, including Environmental Site Assessment Reports, and supporting materials on a compact disk.

Include one copy of any document from any state agency files that you want the Department to review as part of this request. The person submitting this request is responsible for contacting other state agencies to obtain appropriate reports or information.

- Phase I Environmental Site Assessment Report - Date: _____
- Phase II Environmental Site Assessment Report - Date: _____
- Legal Description of Property (required for all liability requests and specialized agreements)
- Map of the Property (required for all liability requests and specialized agreements)
- Analytical results of the following sampled media: Select all that apply and include date of collection.
- Groundwater Soil Sediment Other medium - Describe: _____
- Date of Collection: _____
- A copy of the closure letter and submittal materials
- Draft tax cancellation agreement
- Draft agreement for assignment of tax foreclosure judgment
- Other report(s) or information - Describe: PCM Work Plan dated 5/7/21

For Property with newly identified discharges of hazardous substances only: Has a notification of a discharge of a hazardous substance been sent to the DNR as required by s. NR 706.05(1)(b), Wis. Adm. Code?

- Yes - Date (if known): _____
- No

Note: The Notification for Hazardous Substance Discharge (non-emergency) form is available at:

dnr.wi.gov/files/PDF/forms/4400/4400-225.pdf.

Section 7. Certification by the Person who completed this form

- I am the person submitting this request (requester)
- I prepared this request for: Mojo Franklin St LLC
Requester Name

I certify that I am familiar with the information submitted on this request, and that the information on and included with this request is true, accurate and complete to the best of my knowledge. I also certify I have the legal authority and the applicant's permission to make this request.

**Technical Assistance, Environmental Liability
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Katherine M. June
Signature

5/7/21
Date Signed

Professional Geologist
Title

(262) 719-4501
Telephone Number (include area code)

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Section 8. DNR Contacts and Addresses for Request Submittals

Send or deliver one paper copy and one electronic copy on a compact disk of the completed request, supporting materials, and fee to the region where the property is located to the address below. Contact a [DNR regional brownfields specialist](#) with any questions about this form or a specific situation involving a contaminated property. For electronic document submittal requirements see: <http://dnr.wi.gov/files/PDF/pubs/rr/RR690.pdf>.

DNR NORTHERN REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 223 E Steinfest Rd Antigo, WI 54409

DNR NORTHEAST REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 2984 Shawano Avenue
 Green Bay WI 54313

DNR SOUTH CENTRAL REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 3911 Fish Hatchery Road
 Fitchburg WI 53711

DNR SOUTHEAST REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 2300 North Martin Luther King Drive
 Milwaukee WI 53212

DNR WEST CENTRAL REGION
 Attn: RR Program Assistant
 Department of Natural Resources
 1300 Clairemont Ave.
 Eau Claire WI 54702



Note: These are the Remediation and Redevelopment Program's designated regions. Other DNR program regional boundaries may be different.

DNR Use Only			
Date Received	Date Assigned	BRRTS Activity Code	BRRTS No. (if used)
DNR Reviewer		Comments	
Fee Enclosed? <input type="radio"/> Yes <input type="radio"/> No	Fee Amount \$	Date Additional Information Requested	Date Requested for DNR Response Letter
Date Approved	Final Determination		



May 7, 2021

Mr. David Hanson
Waste Management Specialist, Bureau for Remediation and Redevelopment
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King, Jr. Dr.
Milwaukee, WI 53212

RE: Proposed Work Plan and Post-Closure Modification Request
Quick Cleaners (Former) 530 Franklin Street, Oconomowoc, WI 53066
DNR BRRTS Activity #02-68-280310; FID #268189680

Dear David:

LF Green Development, LLC is submitting this request for technical assistance with respect to continuing obligations at closure for the above referenced Site identified as BRRTS # 02-68-280310. The June 14, 2017 closure letter from the Wisconsin Department of Natural Resources (WDNR) specified continuing obligations and adherence to a maintenance plan for the site. Mojo Franklin St LLC (Mojo) purchased the Property in 2019. On behalf of Mojo, LF Green is requesting review of this work plan to assess the vapor pathway and approval of a Post-Closure Modification (PCM). A fee in the amount of \$1,050 accompanies this work plan. GIS fees will be paid upon completion of the PCM.

The building that occupies the Property is zoned for mixed use (commercial and residential) and includes two upper residential units in the northeast portion of the structure and lower commercial units. Mojo desires to occupy the residential tenant spaces, which require only cosmetic upgrades and no structural alterations. WDNR has stated that the conditions of closure and continuing obligations required were based on the Property being used as a storage facility or commercial use. Specifically, the closure conditions require that a vapor assessment must be conducted before any use changes to residential.

Existing Building Conditions

The Property is occupied by one approximately 13,721 SQ FT split-level structure. The southeastern portion of the structure is two stories and includes two upper residential spaces. The northern and southwestern portions of the building are single-story. The single-story commercial units are currently occupied and include a commercial woodworking tenant in the northern unit and artisan/hobbyist in the southwest unit. The first-floor commercial units' heating and ventilation system is separate from the residential units. The building does not have basements or crawl spaces. Parking and drive areas are located on the east and west sides.

Sub-slab vapor sampling was not performed on the Property during the site investigation. As indicated in the closure request, a vapor mitigation system was recommended as part of the clean-up and approved. The active vapor mitigation system was installed within the Site structure in 2013 in accordance with the requirements of NR 724.13(2), Wisconsin Administrative Code, in relation to the groundwater exceedances of chlorinated compounds (vinyl chloride) present on the west side of the structure.

October 2020 Sub-Slab Sampling

LF Green conducted sub-slab vapor sampling in October 2020 to evaluate current conditions. A summary of vapor sampling results is included in the attached Table 1, Attachment A. The laboratory analytical report is included in attachment B. Sub-slab vapor samples were collected in three locations within the building, two within the existing commercial space and one beneath the residential space. The samples were collected approximately two hours after shutting off the fans of the vapor mitigation system using Cox-Colvin vapor pins. Sample collection methodology is included as Attachment C. Results indicated that no residential vapor risk screening levels (VRSLs) were exceeded in any of the samples collected.

Proposed Post-Closure Modifications to Continuing Obligations

At this time, Mojo Franklin St LLC intends to continue to maintain the vapor mitigation system, which was installed at the Site without commissioning as currently specified in the RR800 Guidance. In our telephone conversations, WDNR and LF Green discussed a scope of work to determine the effectiveness of the system and its effectiveness relative to Residential Vapor Action Levels (VALs) for indoor air quality. The objectives of this scope of work include determining the following:

- The radius of influence of the existing vapor mitigation system
- Effectiveness of the system relative to indoor air quality and residential occupancy
- Evaluate the need for system modifications, if any, to protect human health relative to residential occupancy.

Proposed Vapor Pathway Evaluation

The proposed scope of work to evaluate the vapor pathway includes the following elements:

- Evaluate the interior of the existing structure to determine locations of interior footings, cold air and heating returns, sumps, floor drains, and floor conditions (cracks, fissures, etc.), all of which may influence sub-slab vapor migration, interior air flow, and vapor migration within the building.
- Record the use of potential VOC-containing materials by the current occupants of the two commercial spaces, such as adhesives, solvents, paints, etc. If possible, we will direct these tenants to limit their use of these materials at least 24 hours prior to the indoor air sampling.
- Turning the vapor mitigation system off for a minimum of two weeks and then collect four indoor air samples at the following locations:
 - Northern upper residential unit bathroom
 - Interior southeast
 - Interior southwest
 - Interior of the northern commercial space that formerly housed the dry-cleaning machines
- Determine the extent of influence of the existing SSDS by measuring the pressure field extension (PFE) in accordance with the Appendix D commissioning guidelines concurrently with the indoor air sampling.
- Report findings to WDNR, including methodology, figures, laboratory data, and recommendations.

Mr. David Hanson

May 7, 2021

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Indoor Air Sampling Methods

Summa canisters will be used to draw air into the canister under the influence of the canister's vacuum. This sample is a direct measure of the indoor air concentration near the sampling device during the sampling period. Each canister will be fitted with a flow controller that provides a 24-hour time-weighted average concentration. Canisters will be placed in a secure, undisturbed area at a height to simulate breathing space. Contaminants reported by the laboratory will be limited to the following contaminants of concern which may be related to past use of dry-cleaning solvents:

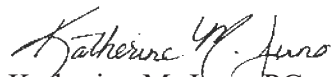
1,1,1-Trichloroethane	Chloroethane
1,1,2,2-Tetrachloroethane	Chloromethane
1,1,2-Trichloroethane	cis-1,2-Dichloroethene
1,1-Dichloroethane	Tetrachloroethene
1,1-Dichloroethene	trans-1,2-Dichloroethene
1,2-Dichloroethane	Trichloroethene
Bromodichloromethane	Vinyl chloride

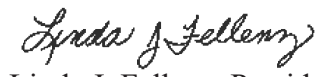
Results of the first indoor air sampling event will be compared to Vapor Action Levels (VALs) for each of the individual compounds. The Residential VALs will be compared to the results obtained from the two proposed residential units, and the Small Commercial VALs will be compared to the results obtained from the two commercial spaces. **If the results of the first sampling event show that Residential VALs are not exceeded in the proposed residential units, Mojo will notify WDNR of the results of the first indoor air and system commissioning results and occupy the residential units.** A second indoor air sampling event will be completed after reviewing the results of the first sampling event. The second indoor air sampling event will be completed following the review by WDNR. The results from the second round of sampling will then be provided to WDNR along with GIS fees, revised maps, a maintenance plan, and photographs for approval and final PCM.

Thank you for your continued assistance with this project. If you have any questions or comments, please feel free to contact us.

Sincerely,

LF Green Development, LLC


Katherine M. Juno, PG
katejuno@lfgreendevlopment.com
(262) 719-4501


Linda J. Fellenz, President
lfellenz@lfgreendevlopment.com
(414) 254-4813

Attachments

- Attachment A: Table 1 –Vapor Analytical Data
- Attachment B: Sub-Slab Vapor Analytical Laboratory Reports
- Attachment C: Vapor Sampling Methodology

Copies: Mr. Joe Jursenas, Mojo Franklin St LLC
Mr. Joe Martinez, WDNR



ATTACHMENT A

TABLE 1 VAPOR ANALYTICAL DATA

Table 1 Vapor Analytical Data

Quick Cleaners (Former)
 530 Franklin Street
 Oconomowoc, WI 53066
 DNR BRRTS Activity #02-68-280310; FID #268189680

Sample Identification				Sub-Slab Vapor Risk Screening Level Large Commercial/Industrial Building	Sub-Slab Vapor Risk Screening Level <i>Small Commercial Building</i>	Non-Residential Vapor Action Level Indoor Air ¹	Sub-Slab Vapor Risk Screening Level <i>Residential Building</i>	Residential Vapor Action Level Indoor Air ¹
Laboratory ID	20100816-001	20100816-002	20100816-003					
Sample ID	VP-1 60315	VP-2 60371	VP-3 60227					
Date Collected	10/23/2020 11:25	10/23/2020 11:40	10/23/2020 12:19					
Analyte				Attenuation Factor ² 0.01	Attenuation Factor ² 0.03		Attenuation Factor ² 0.03	
1,1,1-Trichloroethane	< 3.5	< 3.3	< 3.5	2,200,000	730,000	22,000	170,000	5,200
1,1,1,2,2-Tetrachloroethane	< 4.4	< 4.1	< 4.4	210	70	2.1	16	0.48
1,1,1,2-Trichloroethane	< 3.5	< 3.3	< 3.5	88	29	0.88	7	0.21
1,1-Dichloroethane	< 2.6	< 2.4	< 2.6	7,700	2,600	77	600	18
1,1-Dichloroethene	< 2.6	< 2.4	< 2.5	88,000	29,000	880	7,000	210
1,2,4-Trichlorobenzene	< 4.8	< 4.4	< 4.7	900	300	9	67	2
1,2,4-Trimethylbenzene	9.2	19	15	26,000	8,700	260	2,100	63
1,2-Dibromoethane	< 5.0	< 4.6	< 4.9	20	7	0.20	2	0.05
1,2-Dichlorobenzene	< 3.9	< 3.6	< 3.8	87,600	29,200	876	6,967	209
1,2-Dichloroethane	< 2.6	< 2.4	2.7	470	160	4.7	37	1.1
1,2-Dichloropropane	< 3.0	< 2.8	< 2.9	1,800	600	18	133	4
1,3,5-Trimethylbenzene	< 3.2	4.4	4.7	26,000	8,700	260	2,100	63
1,3-Butadiene	< 1.4	< 1.3	< 1.4	410	137	4	31	0.94
1,4-Dichlorobenzene	< 3.9	< 3.6	< 3.8	1,100	367	11	100	3
1,4-Dioxane	< 5.8	< 5.4	< 5.7	2,500	833	25	200	6
2-Butanone (MEK)	< 4.8	130	16	2,200,000	733,333	22,000	173,000	5,200
4-Ethyltoluene	4.1	5.7	6.4	--	--	--	--	--
Acetone	26	510	110	14,000,000	4,700,000	140,000	1,067,000	32,000
Benzene	7.1	3.2	13	1,600	530	16	120	3.6
Carbon disulfide	< 2.0	< 1.9	5.9	310,000	103,000	3,100	24,000	730
Carbon Tetrachloride	< 4.1	< 3.8	< 4.0	2,000	670	20	160	5
Chlorobenzene	< 3.0	< 2.7	< 2.9	21,900	7,300	219	1,733	52
Chloroethane	< 1.7	< 1.6	< 1.7	4,400,000	--	44,000	--	--
Chloromethane	< 3.3	< 3.1	< 3.3	39,000	13,000	390	3,100	94
cis-1,2-Dichloroethene	< 2.6	16	< 2.5	--	--	--	--	--
Cyclohexane	5.5	2.6	10	2,600,000	858,000	26,000	210,000	6,300
Dibromochloromethane	< 5.5	< 5.1	< 5.4	--	--	--	--	--
Dichlorodifluoromethane	3.5	< 3.0	6.1	44,000	15,000	440	3,300	100
Ethyl Acetate	< 5.8	64	15	31,000	10,333	310	2,433	73
Ethylbenzene	13	19	23	4900	1600	49	370	11
n-Heptane	12	8.8	47	180,000	60,000	1,800	14,000	420
Hexachlorobutadiene	< 6.9	< 6.4	< 6.8	600	200	6	43	1.3
n-Hexane	13	5.7	17	310,000	103,000	3,100	24,000	730
Isopropyl Alcohol	< 7.9	95	260	87,600	29,200	876	6,700	209
m&p-Xylene	43	76	79	44,000	15,000	440	3,300	100
Naphthalene	< 3.4	< 3.1	< 3.3	360	120	3.6	28	0.83
o-Xylene	12	21	26	44,000	15,000	440	3,300	100
Propene	< 11	12	29	1,300,000	433,000	13,000	103,000	3,100
Styrene	< 2.7	< 2.5	< 2.7	440,000	147,000	4,400	37,000	1,100
Tetrachloroethene (PCE)	16	280	26	18,000	6,000	180	1,400	42
Tetrahydrofuran	< 4.8	< 4.4	< 4.7	876,000	292,000	8,760	70,000	2,100
Toluene	53	69	130	2,200,000	730,000	22,000	170,000	5,200
trans -1,2-Dichloroethene	< 2.6	< 2.4	< 2.5	--	--	--	--	--
Trichloroethene	< 3.5	47	< 3.4	880	290	8.8	70	2.1
Vinyl Chloride	< 1.6	< 1.5	< 1.6	2,800	930	28	57	1.7
Xylenes, Total	55	97	100	44,000	15,000	440	3,300	100

Notes:

-- : No Standard Established (j) = Estimated concentration at or above the limit of detection (LOD) and below the limit of quantitation (LOQ)
 Results are shown in ug/m3 = micrograms per cubic meter VRSL = Vapor Risk Screening Levels
 Sample results in excess of Large Commercial/Industrial Building VRSLs are shown in *bold* Sample results in excess of Residential Building VRSLs are shown in *italics font*.
⁽¹⁾ Vapor Action Levels (VAL) are based on a hazard index of 1 or a life-time excess cancer risk of 10⁻⁵, per WDNR Pub-RR-800 .
 WDNR Quick-Look-up Table, from the EPA RSL calculator, updated November 2017
⁽²⁾ Attenuation factor of 0.03 to 0.01 are applied based on sample type (shallow soil gas samples) and structure type, per WDNR Pub-RR-800.

ATTACHMENT B

VAPOR ANALYTICAL LABORATORY REPORTS



Analysis Corporation

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

November 02, 2020

L.F. Green Development, LLC
5600 W Brown Deer Rd.
Milwaukee, WI 53223
Telephone: (414) 254-4813
Fax:

Analytical Report for STAT Work Order: 20100816 Revision 0

RE: 530 Franklin St.

Dear L.F. Green Development, LLC:

STAT Analysis received 3 samples for the referenced project on 10/26/2020 12:52:00 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,



Craig Chawla
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: L.F. Green Development, LLC
Project: 530 Franklin St.
Work Order: 20100816 Revision 0

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
20100816-001A	VP-1 60315		10/23/2020 11:25:00 AM	10/26/2020
20100816-002A	VP-2 60371		10/23/2020 11:40:00 AM	10/26/2020
20100816-003A	VP-3 60227		10/23/2020 12:19:00 PM	10/26/2020

CLIENT: L.F. Green Development, LLC
Project: 530 Franklin St.
Work Order: 20100816 Revision 0

CASE NARRATIVE

TO-15 results that are reported in $\mu\text{g}/\text{m}^3$ are calculated based on a temperature of 25°C , atmospheric pressure of 760 mm Hg, and the molecular weight of the analyte.

The TO-15 Continuing Calibration Verification (CCV) had recovery outside of control limits for Dichlorodifluoromethane (135% recovery, QC Limits 70-130%).

The TO-15 Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) analyzed 10/26/2020 had recovery of Dichlorodifluoromethane outside of control limits (142%/138% (LCS/LCSD) recovery, QC limits 70-130%).

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Report Date: November 02, 2020

ANALYTICAL RESULTS

Print Date: November 02, 2020

Client: L.F. Green Development, LLC

Client Sample ID: VP-1 60315

Work Order: 20100816 Revision 0

Tag Number:

Project: 530 Franklin St.

Collection Date: 10/23/2020 11:25:00 AM

Lab ID: 20100816-001A

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS		TO-15				Prep Date: 10/26/2020 Analyst: MAS
1,1,1-Trichloroethane	ND	3.5		µg/m ³	2	10/27/2020
1,1,2,2-Tetrachloroethane	ND	4.4		µg/m ³	2	10/27/2020
1,1,2-Trichloroethane	ND	3.5		µg/m ³	2	10/27/2020
1,1-Dichloroethane	ND	2.6		µg/m ³	2	10/27/2020
1,1-Dichloroethene	ND	2.6		µg/m ³	2	10/27/2020
1,2,4-Trichlorobenzene	ND	4.8		µg/m ³	2	10/27/2020
1,2,4-Trimethylbenzene	9.2	3.2		µg/m ³	2	10/27/2020
1,2-Dibromoethane	ND	5.0		µg/m ³	2	10/27/2020
1,2-Dichlorobenzene	ND	3.9		µg/m ³	2	10/27/2020
1,2-Dichloroethane	ND	2.6		µg/m ³	2	10/27/2020
1,2-Dichloropropane	ND	3.0		µg/m ³	2	10/27/2020
1,3,5-Trimethylbenzene	ND	3.2		µg/m ³	2	10/27/2020
1,3-Butadiene	ND	1.4		µg/m ³	2	10/27/2020
1,3-Dichlorobenzene	ND	3.9		µg/m ³	2	10/27/2020
1,4-Dichlorobenzene	ND	3.9		µg/m ³	2	10/27/2020
1,4-Dioxane	ND	5.8		µg/m ³	2	10/27/2020
2-Butanone	ND	4.8		µg/m ³	2	10/27/2020
2-Hexanone	ND	13		µg/m ³	2	10/27/2020
4-Ethyltoluene	4.1	3.2		µg/m ³	2	10/27/2020
4-Methyl-2-pentanone	ND	13		µg/m ³	2	10/27/2020
Acetone	26	15	*	µg/m ³	2	10/27/2020
Benzene	7.1	2.1		µg/m ³	2	10/27/2020
Benzyl chloride	ND	8.3		µg/m ³	2	10/27/2020
Bromodichloromethane	ND	4.3		µg/m ³	2	10/27/2020
Bromoform	ND	17		µg/m ³	2	10/27/2020
Bromomethane	ND	6.3		µg/m ³	2	10/27/2020
Carbon disulfide	ND	2.0		µg/m ³	2	10/27/2020
Carbon tetrachloride	ND	4.1		µg/m ³	2	10/27/2020
Chlorobenzene	ND	3.0		µg/m ³	2	10/27/2020
Chloroethane	ND	1.7		µg/m ³	2	10/27/2020
Chloroform	ND	3.1		µg/m ³	2	10/27/2020
Chloromethane	ND	3.3		µg/m ³	2	10/27/2020
cis-1,2-Dichloroethene	ND	2.6		µg/m ³	2	10/27/2020
cis-1,3-Dichloropropene	ND	2.9		µg/m ³	2	10/27/2020
Cyclohexane	5.5	2.2		µg/m ³	2	10/27/2020
Dibromochloromethane	ND	5.5		µg/m ³	2	10/27/2020
Dichlorodifluoromethane	3.5	3.2		µg/m ³	2	10/27/2020
Ethyl acetate	ND	5.8		µg/m ³	2	10/27/2020

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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Report Date: November 02, 2020

ANALYTICAL RESULTS

Print Date: November 02, 2020

Client: L.F. Green Development, LLC

Client Sample ID: VP-1 60315

Work Order: 20100816 Revision 0

Tag Number:

Project: 530 Franklin St.

Collection Date: 10/23/2020 11:25:00 AM

Lab ID: 20100816-001A

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	TO-15					
					Prep Date: 10/26/2020	Analyst: MAS
Ethylbenzene	13	2.8		µg/m ³	2	10/27/2020
Freon-113	ND	4.9		µg/m ³	2	10/27/2020
Freon-114	ND	23		µg/m ³	2	10/27/2020
Heptane	12	2.6		µg/m ³	2	10/27/2020
Hexachlorobutadiene	ND	6.9		µg/m ³	2	10/27/2020
Hexane	13	5.7		µg/m ³	2	10/27/2020
Isopropyl Alcohol	ND	7.9		µg/m ³	2	10/27/2020
m,p-Xylene	43	5.6		µg/m ³	2	10/27/2020
Methyl tert-butyl ether	ND	2.3		µg/m ³	2	10/27/2020
Methylene chloride	ND	22		µg/m ³	2	10/27/2020
Naphthalene	ND	3.4		µg/m ³	2	10/27/2020
o-Xylene	12	2.8		µg/m ³	2	10/27/2020
Propene	ND	11		µg/m ³	2	10/27/2020
Styrene	ND	2.7		µg/m ³	2	10/27/2020
Tetrachloroethene	16	4.4		µg/m ³	2	10/27/2020
Tetrahydrofuran	ND	4.8		µg/m ³	2	10/27/2020
Toluene	53	2.4		µg/m ³	2	10/27/2020
trans-1,2-Dichloroethene	ND	2.6		µg/m ³	2	10/27/2020
trans-1,3-Dichloropropene	ND	2.9		µg/m ³	2	10/27/2020
Trichloroethene	ND	3.5		µg/m ³	2	10/27/2020
Trichlorofluoromethane	ND	3.6		µg/m ³	2	10/27/2020
Vinyl acetate	ND	23		µg/m ³	2	10/27/2020
Vinyl chloride	ND	1.6		µg/m ³	2	10/27/2020
Xylenes, Total	55	8.4		µg/m ³	2	10/27/2020

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	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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Report Date: November 02, 2020

ANALYTICAL RESULTS

Print Date: November 02, 2020

Client: L.F. Green Development, LLC

Client Sample ID: VP-2 60371

Work Order: 20100816 Revision 0

Tag Number:

Project: 530 Franklin St.

Collection Date: 10/23/2020 11:40:00 AM

Lab ID: 20100816-002A

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS TO-15					Prep Date: 10/26/2020	Analyst: MAS
1,1,1-Trichloroethane	ND	3.3		µg/m ³	2	10/27/2020
1,1,2,2-Tetrachloroethane	ND	4.1		µg/m ³	2	10/27/2020
1,1,2-Trichloroethane	ND	3.3		µg/m ³	2	10/27/2020
1,1-Dichloroethane	ND	2.4		µg/m ³	2	10/27/2020
1,1-Dichloroethene	ND	2.4		µg/m ³	2	10/27/2020
1,2,4-Trichlorobenzene	ND	4.4		µg/m ³	2	10/27/2020
1,2,4-Trimethylbenzene	19	2.9		µg/m ³	2	10/27/2020
1,2-Dibromoethane	ND	4.6		µg/m ³	2	10/27/2020
1,2-Dichlorobenzene	ND	3.6		µg/m ³	2	10/27/2020
1,2-Dichloroethane	ND	2.4		µg/m ³	2	10/27/2020
1,2-Dichloropropane	ND	2.8		µg/m ³	2	10/27/2020
1,3,5-Trimethylbenzene	4.4	2.9		µg/m ³	2	10/27/2020
1,3-Butadiene	ND	1.3		µg/m ³	2	10/27/2020
1,3-Dichlorobenzene	ND	3.6		µg/m ³	2	10/27/2020
1,4-Dichlorobenzene	ND	3.6		µg/m ³	2	10/27/2020
1,4-Dioxane	ND	5.4		µg/m ³	2	10/27/2020
2-Butanone	130	4.4		µg/m ³	2	10/27/2020
2-Hexanone	ND	12		µg/m ³	2	10/27/2020
4-Ethyltoluene	5.7	2.9		µg/m ³	2	10/27/2020
4-Methyl-2-pentanone	ND	12		µg/m ³	2	10/27/2020
Acetone	510	180	*	µg/m ³	25	10/27/2020
Benzene	3.2	1.9		µg/m ³	2	10/27/2020
Benzyl chloride	ND	7.7		µg/m ³	2	10/27/2020
Bromodichloromethane	ND	4.0		µg/m ³	2	10/27/2020
Bromoform	ND	15		µg/m ³	2	10/27/2020
Bromomethane	ND	5.8		µg/m ³	2	10/27/2020
Carbon disulfide	ND	1.9		µg/m ³	2	10/27/2020
Carbon tetrachloride	ND	3.8		µg/m ³	2	10/27/2020
Chlorobenzene	ND	2.7		µg/m ³	2	10/27/2020
Chloroethane	ND	1.6		µg/m ³	2	10/27/2020
Chloroform	ND	2.9		µg/m ³	2	10/27/2020
Chloromethane	ND	3.1		µg/m ³	2	10/27/2020
cis-1,2-Dichloroethene	16	2.4		µg/m ³	2	10/27/2020
cis-1,3-Dichloropropene	ND	2.7		µg/m ³	2	10/27/2020
Cyclohexane	2.6	2.1		µg/m ³	2	10/27/2020
Dibromochloromethane	ND	5.1		µg/m ³	2	10/27/2020
Dichlorodifluoromethane	ND	3.0		µg/m ³	2	10/27/2020
Ethyl acetate	64	5.4		µg/m ³	2	10/27/2020

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

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R - RPD outside accepted recovery limits

HT - Sample received past holding time

E - Value above quantitation range

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ANALYTICAL RESULTS

Print Date: November 02, 2020

Client: L.F. Green Development, LLC

Client Sample ID: VP-2 60371

Work Order: 20100816 Revision 0

Tag Number:

Project: 530 Franklin St.

Collection Date: 10/23/2020 11:40:00 AM

Lab ID: 20100816-002A

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	TO-15					
					Prep Date: 10/26/2020	Analyst: MAS
Ethylbenzene	19	2.6		µg/m ³	2	10/27/2020
Freon-113	ND	4.6		µg/m ³	2	10/27/2020
Freon-114	ND	21		µg/m ³	2	10/27/2020
Heptane	8.8	2.4		µg/m ³	2	10/27/2020
Hexachlorobutadiene	ND	6.4		µg/m ³	2	10/27/2020
Hexane	5.7	5.3		µg/m ³	2	10/27/2020
Isopropyl Alcohol	95	7.3		µg/m ³	2	10/27/2020
m,p-Xylene	76	5.2		µg/m ³	2	10/27/2020
Methyl tert-butyl ether	ND	2.2		µg/m ³	2	10/27/2020
Methylene chloride	ND	21		µg/m ³	2	10/27/2020
Naphthalene	ND	3.1		µg/m ³	2	10/27/2020
o-Xylene	21	2.6		µg/m ³	2	10/27/2020
Propene	12	10		µg/m ³	2	10/27/2020
Styrene	ND	2.5		µg/m ³	2	10/27/2020
Tetrachloroethene	280	4.0		µg/m ³	2	10/27/2020
Tetrahydrofuran	ND	4.4		µg/m ³	2	10/27/2020
Toluene	69	2.3		µg/m ³	2	10/27/2020
trans-1,2-Dichloroethene	ND	2.4		µg/m ³	2	10/27/2020
trans-1,3-Dichloropropene	ND	2.7		µg/m ³	2	10/27/2020
Trichloroethene	47	3.2		µg/m ³	2	10/27/2020
Trichlorofluoromethane	ND	3.4		µg/m ³	2	10/27/2020
Vinyl acetate	ND	21		µg/m ³	2	10/27/2020
Vinyl chloride	ND	1.5		µg/m ³	2	10/27/2020
Xylenes, Total	97	7.8		µg/m ³	2	10/27/2020

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
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ANALYTICAL RESULTS

Print Date: November 02, 2020

Client: L.F. Green Development, LLC

Client Sample ID: VP-3 60227

Work Order: 20100816 Revision 0

Tag Number:

Project: 530 Franklin St.

Collection Date: 10/23/2020 12:19:00 PM

Lab ID: 20100816-003A

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS		TO-15				Prep Date: 10/26/2020 Analyst: MAS
1,1,1-Trichloroethane	ND	3.5		µg/m ³	2	10/27/2020
1,1,2,2-Tetrachloroethane	ND	4.4		µg/m ³	2	10/27/2020
1,1,2-Trichloroethane	ND	3.5		µg/m ³	2	10/27/2020
1,1-Dichloroethane	ND	2.6		µg/m ³	2	10/27/2020
1,1-Dichloroethene	ND	2.5		µg/m ³	2	10/27/2020
1,2,4-Trichlorobenzene	ND	4.7		µg/m ³	2	10/27/2020
1,2,4-Trimethylbenzene	15	3.1		µg/m ³	2	10/27/2020
1,2-Dibromoethane	ND	4.9		µg/m ³	2	10/27/2020
1,2-Dichlorobenzene	ND	3.8		µg/m ³	2	10/27/2020
1,2-Dichloroethane	2.7	2.6		µg/m ³	2	10/27/2020
1,2-Dichloropropane	ND	2.9		µg/m ³	2	10/27/2020
1,3,5-Trimethylbenzene	4.7	3.1		µg/m ³	2	10/27/2020
1,3-Butadiene	ND	1.4		µg/m ³	2	10/27/2020
1,3-Dichlorobenzene	ND	3.8		µg/m ³	2	10/27/2020
1,4-Dichlorobenzene	ND	3.8		µg/m ³	2	10/27/2020
1,4-Dioxane	ND	5.7		µg/m ³	2	10/27/2020
2-Butanone	16	4.7		µg/m ³	2	10/27/2020
2-Hexanone	ND	13		µg/m ³	2	10/27/2020
4-Ethyltoluene	6.4	3.1		µg/m ³	2	10/27/2020
4-Methyl-2-pentanone	ND	13		µg/m ³	2	10/27/2020
Acetone	110	15	*	µg/m ³	2	10/27/2020
Benzene	13	2.0		µg/m ³	2	10/27/2020
Benzyl chloride	ND	8.2		µg/m ³	2	10/27/2020
Bromodichloromethane	ND	4.3		µg/m ³	2	10/27/2020
Bromoform	ND	16		µg/m ³	2	10/27/2020
Bromomethane	ND	6.2		µg/m ³	2	10/27/2020
Carbon disulfide	5.9	2.0		µg/m ³	2	10/27/2020
Carbon tetrachloride	ND	4.0		µg/m ³	2	10/27/2020
Chlorobenzene	ND	2.9		µg/m ³	2	10/27/2020
Chloroethane	ND	1.7		µg/m ³	2	10/27/2020
Chloroform	ND	3.1		µg/m ³	2	10/27/2020
Chloromethane	ND	3.3		µg/m ³	2	10/27/2020
cis-1,2-Dichloroethene	ND	2.5		µg/m ³	2	10/27/2020
cis-1,3-Dichloropropene	ND	2.9		µg/m ³	2	10/27/2020
Cyclohexane	10	2.2		µg/m ³	2	10/27/2020
Dibromochloromethane	ND	5.4		µg/m ³	2	10/27/2020
Dichlorodifluoromethane	6.1	3.1		µg/m ³	2	10/27/2020
Ethyl acetate	15	5.7		µg/m ³	2	10/27/2020

Qualifiers:
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Report Date: November 02, 2020

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Print Date: November 02, 2020

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Client Sample ID: VP-3 60227

Work Order: 20100816 Revision 0

Tag Number:

Project: 530 Franklin St.

Collection Date: 10/23/2020 12:19:00 PM

Lab ID: 20100816-003A

Matrix: Air

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds in Air by GC/MS	TO-15					
					Prep Date: 10/26/2020	Analyst: MAS
Ethylbenzene	23	2.8		µg/m ³	2	10/27/2020
Freon-113	ND	4.9		µg/m ³	2	10/27/2020
Freon-114	ND	22		µg/m ³	2	10/27/2020
Heptane	47	2.6		µg/m ³	2	10/27/2020
Hexachlorobutadiene	ND	6.8		µg/m ³	2	10/27/2020
Hexane	17	5.6		µg/m ³	2	10/27/2020
Isopropyl Alcohol	260	7.8		µg/m ³	2	10/27/2020
m,p-Xylene	79	5.5		µg/m ³	2	10/27/2020
Methyl tert-butyl ether	ND	2.3		µg/m ³	2	10/27/2020
Methylene chloride	ND	22		µg/m ³	2	10/27/2020
Naphthalene	ND	3.3		µg/m ³	2	10/27/2020
o-Xylene	26	2.8		µg/m ³	2	10/27/2020
Propene	29	11		µg/m ³	2	10/27/2020
Styrene	ND	2.7		µg/m ³	2	10/27/2020
Tetrachloroethene	26	4.3		µg/m ³	2	10/27/2020
Tetrahydrofuran	ND	4.7		µg/m ³	2	10/27/2020
Toluene	130	2.4		µg/m ³	2	10/27/2020
trans-1,2-Dichloroethene	ND	2.5		µg/m ³	2	10/27/2020
trans-1,3-Dichloropropene	ND	2.9		µg/m ³	2	10/27/2020
Trichloroethene	ND	3.4		µg/m ³	2	10/27/2020
Trichlorofluoromethane	ND	3.6		µg/m ³	2	10/27/2020
Vinyl acetate	ND	22		µg/m ³	2	10/27/2020
Vinyl chloride	ND	1.6		µg/m ³	2	10/27/2020
Xylenes, Total	100	8.3		µg/m ³	2	10/27/2020

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

Sample Receipt Checklist

Client Name **LF GREEN DEVELOPMENT**

Date and Time Received: **10/26/2020 12:52:00 PM**

Work Order Number **20100816**

Received by: **EAA**

Checklist completed by: EL 10/26/20
Signature Date

Reviewed by: GZ 10/27/20
Initials Date

Matrix: _____ Carrier name: UPS

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- 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? Yes No No VOA vials submitted 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: _____ Contacted by: _____

Response: _____

ATTACHMENT C

VAPOR SAMPLING METHODOLOGY

Methods for Vapor Sampling

The methods for the vapor intrusion sampling were as follows:

- Equipment included:
 - Hammer drill to drill 1 ½” hole for vapor pin;
 - Smaller drill for 5/8” hole;
 - Wet/dry vacuum;
 - Assorted tubing for sample collection;
 - Wrenches to attach canister and vapor pins;
 - Vapor pin assembly
 - Vacuum meter;
 - PPE (eyewear, gloves, etc.)
- Determine vapor pin location;
- Drill the 1 ½” hole 1 ¾” deep;
- Vacuum drill cuttings from hole;
- Drill only deep enough for the vapor pin to fit in with flush mounting in floor;
- Using guide, drill the 5/8 hole through the slab;
- Insert the vapor pin with the cap on the pin to prevent any vapors from escaping through the pin. The vapor pin has a Teflon seal around the pin to seal it as it is installed. Once you have it in place it is tested by filling the hole with water to make sure no water migrates into the sub-slab; this verifies the integrity of the seal.
- The canister was prepared by noting the canister number, starting pressure, time and date, and other information on the chain of custody provided with the canister by the lab;
- The tubing assembly was attached to the canister and a vacuum gauge is used to make sure the assembly holds pressure;
- Then the canister was attached to the vapor pin and the vacuum gauge is again used to verify the pressure is maintained;
- The canister was then opened, and the time is noted;
- The canisters were allowed to remain open approximately 30 minutes and then closed;
- The time was again noted,
- The pressure was recorded on the chain of custody;
- The tubing was removed, and the cap was be placed on the vapor pin for future use if needed and a flush mount steel cap was be placed on the entire setup.
- The canisters were shipped to the lab for analysis under chain of custody procedures.