FORMER DURASPEC ELECTROPLATING FACILITY

QUEENS COUNTY

JAMAICA, NEW YORK

2024-2025 PERIODIC REVIEW REPORT

Reporting Period December 12, 2023 to December 12, 2024

NYSDEC Site Number: 241204

Prepared for:

Hastings Capital, LLC

100 Field Street

West Babylon, NY 11704

Prepared by:

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TOUCHSTONE
ENVIRONMENTAL GEOLOGY P.C.
INNOVATIVE AFFORDABLE ENVIRONMENTAL SOLUTIONS

2024-2025 Periodic Review Report
Former Duraspec Electroplating Facility
87-83 139th Street
Jamaica, New York

1.0 EXECUTIVE SUMMARY

The following Periodic Review Report (PRR) has been prepared by Touchstone Environmental Geology, PC (Touchstone) on behalf of Hastings Capital, LLC. This report was prepared in accordance with the NYSDEC's PRR General Guidance document and a NYSDEC Order On Consent R2-20170622-235. A PRR Certification Form is included in Appendix A.

A. Nature and Extent of Contamination

Historically, the contaminated media at the former Durspec Electroplating Facility (the Site) included soil, soil vapor and groundwater.

- The primary contaminants in the soil were the metals cadmium, chromium, copper and nickel.
- The primary contaminant of concern in the soil vapor was trichloroethene (TCE).
- The groundwater historically contained detections of ethylbenzene and several semi-volatile organic compounds in the upgradient site well. The downgradient well has not display exceedances of the metals and VOCs detected in the soil and soil vapor.

B. Effectiveness of Remedial Program

The remedial program has been effective.

- The majority of the soil impacted by these metals was excavated and removed from the property as part of the renovation activities. The entire property is capped with pavement or a concrete slab.
- The active SSD system is maintaining negative pressure below the slap. Indoor air sample results do not exceed the NYSDOH matrices values for PCE or TCE.
- The samples collected and analyzed over the past three sampling rounds from the site's downgradient well do not indicate that groundwater below the site has been negatively impacted by the past activities at Duraspec (Ref. 2).

C. Compliance

The Site is in compliance with the SMP.

The active sub-slab depressurization (SSD) system will not be discontinued unless prior written approval is granted by the NYSDEC and the NYSDOH. For further details regarding operation

and maintenance of the SSD system, please refer to the Site Management Plan (SMP) dated May 2019 (Ref. 1). A composite cover system and SSD system were installed underneath the building on the Site.

D. Recommendations

Annual inspections and indoor air sampling during the heating season should continue in accordance with the SMP.

2.0 SITE OVERVIEW

A. Site Location, Surrounding Area and Nature & Extent of Contamination Prior to Site Remediation

The Site is located in Jamaica, Queens, NY and currently encompasses a 90-foot by 55-foot property developed with a two-story industrial/commercial building and basement level with an associated driveway along the northern portion of the property. The NYC Tax Map designates the Site as Queens County; Block: 9685; Lot: 50. The neighborhood surrounding the subject property consists of a highly urbanized area of Jamaica with adjacent properties generally consisting of commercial use along Hillside Avenue toward the north and residential use toward the south (Figure 1). The tenants of the building on the Site are Narrow Security and Next Level Design & Décor. Indoor air samples were taken inside the building on both the first floor and in the basement.

Prior to redevelopment, the soils below the plating areas were impacted with the metals cadmium, chromium, copper and nickel to a depth of approximately 11 feet below sidewalk grade. Chromium, copper, and nickel were detected in concentrations exceeding the Commercial Soil Cleanup Objectives (SCOs) and Cadmium was detected in concentrations exceeding the Industrial SCOs.

Soil vapor below the building slab contained TCE at a concentration of 82.8 ug/m^3.

Benzene, Ethylbenzene, Toluene and Xylene (BTEX) type compounds and several Polynuclear Aromatic Hydrocarbons (PAHs) were detected in the upgradient well at the site. These were not detected in the site's downgradient well and are believed to have originated from auto repair facilities or filling stations located to the north along Hillside Avenue.

Several naturally occurring metals such as iron, manganese and sodium were detected in the upgradient well and, to a lesser degree, in the downgradient well. Cadmium and chromium were detected above groundwater standards in the site's upgradient well but were not detected above the groundwater standard in Site's the downgradient well. Generally, the concentrations of metals in the groundwater displayed a decreasing or stable trend over a three-year period following the approval of the SMP.

B. Chronology of Remedial Program

The following narrative provides a remedial history timeline and a brief summary of the available project records to document key investigative and remedial milestones for the Site.

Facility Decommissioning

Duraspec operated an electroplating facility and was a hazardous waste generator under EPA ID NYD012379798. They ceased operation during the summer of 2015. Prior to closing, metal parts

were electroplated with cadmium, copper, and zinc. In previous years, Duraspec also plated parts with chromium, gold, nickel, and silver. Metallic parts were prepared for plating using alkaline cleaners, acid etching solutions, and/or stripping solutions (depending on the process at the time) and rinsed. Once the metallic parts were prepared, the parts were electroplated in process solutions that contained the required metals in solution followed by a parts rinse. Parts were cleaned and plated in tanks located in different sections of the plant. This includes Plating Area 1 which was used for plating metal parts with chromium & nickel and Plating Area 2 which was used to plate metal parts with cadmium, copper, gold, nickel, silver, & zinc. (See Appendix B.)

The property was acquired by Hastings Capital, LLC in December 2015. Subsequently, Hastings retained Innovative Recycling Technologies, Inc. (IRT) to initiate decommissioning procedures. The first step in decommissioning the facility was to pressure wash and dispose of the metal equipment as scrap metal. The plastic process tanks, rubber coating over the floors, and concrete containment berms were also pressure washed and disposed of as hazardous waste. The concrete floors were pressure washed, broken up, and disposed of. All the pressure wash water from the above operations was collected into 55-gallon drums and disposed of by a contractor under a hazardous manifest at Republic Environmental Systems (P) LLC of Hatfield, PA.

Wastewater generated during the operation of the Duraspec facility was pretreated on-site before being discharged to the New York City municipal sewer system pursuant to a New York City Department of Environmental Protection Industrial Wastewater Discharge Permit. The wastewater treatment system consisted of five 400-gallon tanks, which contained the hazardous waste generated at Duraspec. During the decommissioning process, the wastewater remaining in the tanks was pumped into a total of eight 275-gallon, DOT approved totes. These were in turn, shipped to Republic Environmental Systems, LLC.

RCRA Closure Activities

In June 2016, Hastings retained AMEC to prepare a RCRA Closure Plan for submittal and approval by the NYSDEC. The procedures outlined in the NYSDEC-approved RCRA Closure Plan dated October 2016, involved a soil boring program in Plating Area 1, Plating Area 2, and the Alleyway to evaluate the presence and/or extent of contamination onsite. The soil boring program revealed exceedances above the Commercial Soil Cleanup Objectives (SCOs) for several metals (i.e. chromium, copper, and nickel) at numerous boring locations. Cadmium was detected at concentrations exceeding the Industrial SCOs in some boring locations. In addition, some SVOCs (i.e. benzo(b)fluoranthene, chrysene, and ideno(1,2,3-cd)pyrene) were detected at concentrations exceeding the Unrestricted SCO and benzo(a)pyrene was detected at a concentration exceeding the Commercial SCO for one sample. However, the SVOCs exceedances were attributed to urban fill.

Based on the results of the soil boring program, Hastings initiated an excavation program to remove the concrete floors and underlying metals-impacted soils from below Plating Area 1, Plating Area 2, and the Wastewater Treatment Area. The excavation extended to a depth of 5 feet below ground surface (bgs) in Plating Area 1, to a depth of 11 feet bgs in Plating Area 2 and the Wastewater Treatment Area, and to a depth of 2 feet bgs in the Alleyway. With the exception of the Alleyway, the excavation continued to the maximum extent possible without comprising the building's structural integrity.

AMEC returned to the site to collect excavation endpoint samples in accordance with the NYSDEC DER-10. The laboratory analytical results for the endpoint samples continued to display exceedances comparable to those detected during the soil boring program. In Plating Area 1, no metals exceeded the Industrial SCOs, however the several metals (i.e. chromium, copper, and nickel) exceeded the Commercial SCOs in numerous endpoint samples. In Plating Area 2 and the Wastewater Treatment Area, copper exceeded the Commercial SCOs and cadmium exceeded the Industrial SCOs at numerous endpoint sample locations. In the Alleyway, there were several

exceedances for metals above the Unrestricted SCOs, but none above the Commercial or Industrial SCOs.

Due to the exceedances of various metals in the soil, the NYSDEC requested that other subsurface media (i.e. groundwater and soil vapor) be evaluated. An existing onsite groundwater monitoring well and an existing off-site downgradient groundwater monitoring well were sampled using low-flow sampling procedures. The groundwater samples were analyzed for VOCs, SVOCs, cyanide, and the metals of concern from the RCRA Closure. In summary, the laboratory analytical results indicated the presences of several petroleum-related VOCs in the upgradient well. Very few SVOCs exceedances above the TOGS Ambient Water Quality Standards were detected. The VOCs and SVOCs contaminants were attributed to an offsite source. No metal contaminants in exceedance of the TOGS Ambient Water Quality Standards was detected. One sub-slab vapor sample was collected beneath the floor of the office area and analyzed for VOCs using EPA method TO-15. The laboratory analytical report for the sub-slab vapor sample indicated TCE was present at an elevated concertation of at 82.8 ug/m^3.

Post-RCRA Remedial Activities

The investigation completed under the RCRA Closure program revealed that contamination remained at the Site. More specifically, the investigative activities identified the contaminants of concerns as cadmium, chromium, copper, and to a lesser extent nickel in the soil as well as TCE in the soil vapor.

To address the contamination revealed from the RCRA Closure activities, an Interim Remedial Measures (IRM) Work Plan dated November 6, 2017, was prepared and submitted to the NYSDEC for approval. Upon approval, the IRM was implemented as outlined in the Work Plan. The IRM consisted of excavation in the Alleyway with clean soil replacement, installation of a Sub-Slab Depressurization System, a site cover system, and a post-remediation groundwater monitoring program.

3.0 REMEDIAL PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

The remedial actions performed at the Site have been effective and protective of human health.

PERFORMANCE

The soil excavation activities have been completed. A sub-slab depressurization system (SSDS) has been installed and remains in operation. Groundwater was sampled for a period of three years and indoor air monitoring is completed on an annual basis.

EFFECTIVENESS

The remedy has been effective. The site is completely covered by a pavement or concrete slab cap. An SSDS has been installed and is in operation.

PROTECTIVENESS

The remedy is protective

- The entire property is capped with pavement or a concrete slab.
- The active SSDS is maintaining negative pressure below the slap. Indoor air sample results do not exceed the NYSDOH matrices values.

- Three rounds of samples collected from the Site's downgradient well and analyzed do not indicate that groundwater below the site has been negatively impacted by the past activities at Duraspec.

4.0 INSTITUTIONAL CONTROL/ENGINEERING CONTROL (IC/ECs) PLAN

A. IC/EC Requirements and Compliance

The following institutional controls for this Site have been implemented by the property owner:

1) The property may only be used for commercial and industrial use;

2) All ECs must be operated and maintained as specified in the SMP;

3) All ECs must be inspected at a frequency and in a manner defined in the SMP;

4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Queens County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

6) Data and information pertinent to site management must be reported at the frequency and in a manner as defined in the SMP;

7) All future activities that will disturb remaining contaminated material must be conducted in accordance with the SMP;

8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in the SMP;

10) Access to the Site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

11) The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries and any potential impacts that are identified must be monitored or mitigated; and

12) Vegetable gardens and farming on the Site are prohibited.

The property owner has implemented these twelve institutional controls.

The following engineering controls for this Site have been implemented by the property owner and are in good condition:

1) In Plating Area 1, a section of 4-inch diameter perforated PVC pipe surrounded with filter fabric was placed in the bottom of an excavation. The pipe was placed with the perforation holes facing downward so that condensation water can drain from the pipe. The pipe was then covered with ¾ - inch graded recycled concrete aggregate followed by a 20-mil vapor barrier as manufactured by Stego™ and installed in accordance with the manufacturer's recommendations.

Plating Area 2, which was excavated to a depth of 11 feet below sidewalk grade, was completed as a basement. A section of 4-inch diameter perforated PVC pipe surrounded with filter fabric was placed in the bottom of the excavation. The pipe was then covered with ¾ - inch graded recycled concrete aggregate followed by a 20-mil vapor barrier;

Trenches were cut into the floors of the former Office and the Shipping & Receiving area. These trenches were excavated to a depth of approximately 1 foot below grade. A section of 4-inch diameter perforated PVC pipe surrounded with filter fabric was placed in the bottom of the trenches. The pipe was then covered with ¾ - inch graded recycled concrete aggregate. The trench was then covered with 6 inches of concrete;

Four-inch diameter sheet metal risers were extended from the vent pipes to the roof. A sign was posted on the duct that says "This is part of a Sub Slab Depressurization System. Do not alter or disconnect". The fans were connected to their respected risers. An electrical connection was completed along with a weather tight on/off switch. A vacuum switch was installed within the duct work servicing each fan.

2) Site Cover System: After the placement of the soil, piping, aggregate, and vapor barriers were completed, new concrete floors at least 4-inches thick were poured to serve as a cap between the underlying soil and future occupants of the building. The area of excavation in the alleyway was also restored with a concrete or asphalt cover.

B. IC/EC Certification

We certify that the ICs and ECs for this project are: in place and effective; are performing as designed; nothing has occurred that would impair the ability of the controls to protect public health and the environment; no violations have occurred and there were no failures to comply with the Site Management Plan; site access is available to maintain the engineering controls; and, there is no groundwater usage at the site.

A PRR Certification Form is included in Appendix A.

5.0 MONITORING PLAN COMPLIANCE REPORT

Groundwater Sampling Procedures

In the 2020-2021 Periodic Review Report, AMEC recommended that groundwater sampling (as shown on Figure 2) be discontinued after the 2020 sampling event. Samples from the Sites downgradient well taken over three rounds of sampling indicate the site has not been negatively impacted by the past activities at Duraspec. NYSDEC approved this request on May 28, 2021.

Indoor Air Monitoring Procedures

In accordance with the SMP, indoor air samples were collected, on an annual basis during the winter heating season, at the former Durapsec Electroplating Facility (currently Narrow Security and Next Level Design & Décor) on the first floor and in the basement. Sample location maps are included on Figures 3A and 3B. Samples were collected using Summa Canisters calibrated to collect air for an 8-hour period. The samples were delivered to an ELAP-approved Laboratory and are analyzed for halogenated volatile organic compounds using EPA Method TO-15.

Summary of Results

Since the SSDS was placed into operation, there have been no exceedances of the NYSDOH indoor air guidlines for PCE or TCE. In November 2024 TCE was not detected in either of the indoor air samples. PCE and TCE were not detected at reporting levels of 0.037 ug/m^3. Carbon tetrachloride, a substance not related to the operations at Duraspec and not detected in the previous soil vapor samples, was detected between 0.081 ug/m^3 and 0.083 ug/m^3 during the most recent sampling round. Other VOC detections were recorded at relatively low levels. The data collected from the November 2024 sampling round is included on Table 1. A presentation of the historical detections measured since 2019 are included on Table 2.

6.0 OPERATIONS AND MAINTENANCE PLAN

Operations and Maintenance (O&M) procedures that apply to the Fantech® SSDS fans includes a physical inspection of the fans to confirm that air is being discharged and that the units are operating. No other maintenance is recommended in the owner's manual.

All of the SSDS fans and piping were inspected during the November 2024 sampling event and everything was observed to be in good working order. The measured vacuum in the four SSD riser pipes ranged from 1.396 to 1.743 inches of water. A map summarizing our observations and measurements is included as Figure 4.

Five vacuum monitoring points (VMPs) were installed for use during the pilot and start up tests of the SSDS. Identified as VMPs 1 through 5R, the five points were located and measured on November 8, 2024. (The original VMP-5 is located in a carpeted office and was decommissioned on November 16, 2023. A new VMP, identified as VMP-5R, was installed in the floor of a closet located in the hallway outside of the office.) The measured vacuum in the five VMPs ranged from 0.073 to 0.527 inches of water. This information is also summarized on a map which is included as Figure 4.

The exterior pavement and interior floor slabs (the capping system) were observed to be in good condition on the date of our inspections.

7.0 OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

- On November 8, 2024, Touchstone conducted an annual physical inspection of SSD system. The fans were operating and the ducts, floor and pavement were in good condition. PCE and TCE were not detected at reporting levels of 0.037 ug/m^3, which is both below the NYSDOH indoor guidelines.

- We recommend that the SSDS remain in operation and that monitoring continue as outlined in the SMP.

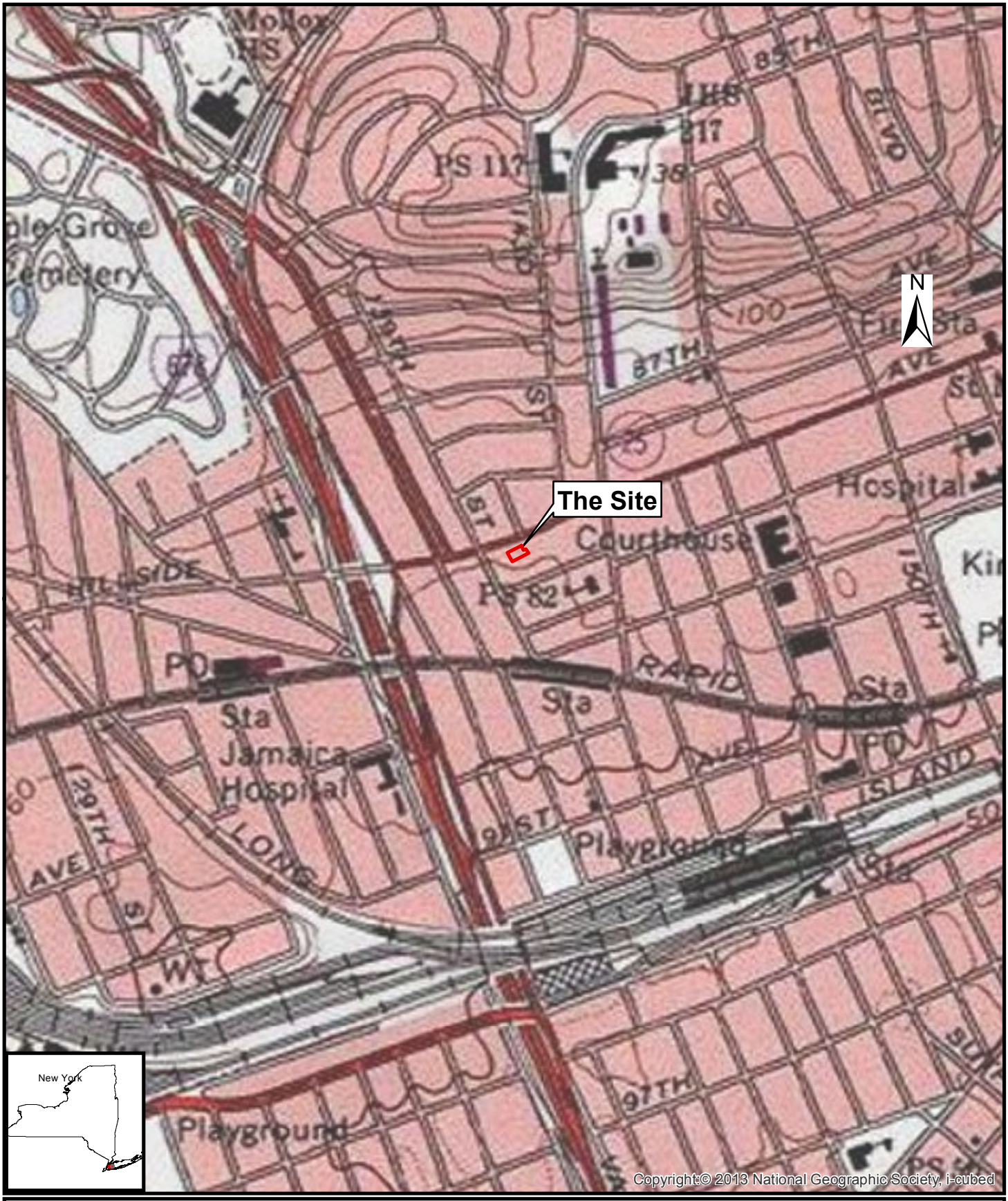
- Prior to the 2025 sampling event, the tenants should be notified in advance in order to make sure the vacuum monitoring ports on the riser vents and the VMPs are accessible.

REFERENCES

1. Amec (May 2019) Site Management Plan, Former Duraspec Electroplating Facility, 87-83 139th Street, Jamaica, NY 11435.

2. Amec (May 2021) 2020-2021 Periodic Review Report, Former Duraspec Electroplating Facility, 87-83 139th Street, Jamaica, NY 11435.

FIGURES



Touchstone Environmental Geology, PC
1919 Middle Country Road, Suite 205
Centereach, NY 11720

Figure 1
Site Location Map

Former Duraspec Electroplating, Inc.
87-83 139th Street, Jamaica, NY 11435

0 500 1,000 Feet

Prepared/Date: JCL 11/7/18	Checked/Date: EAW 12/20/24

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Suite 205
Centereach, NY 11720

N

0 100 200 400
Miles

Figure 2
Monitoring Well Network

Former Duraspec Electroplating, Inc.
87-83 139th Street
Jamaica, NY 11435

Prepared/Date: JCL 04/25/17 | Checked/Date: EAW 12/20/24

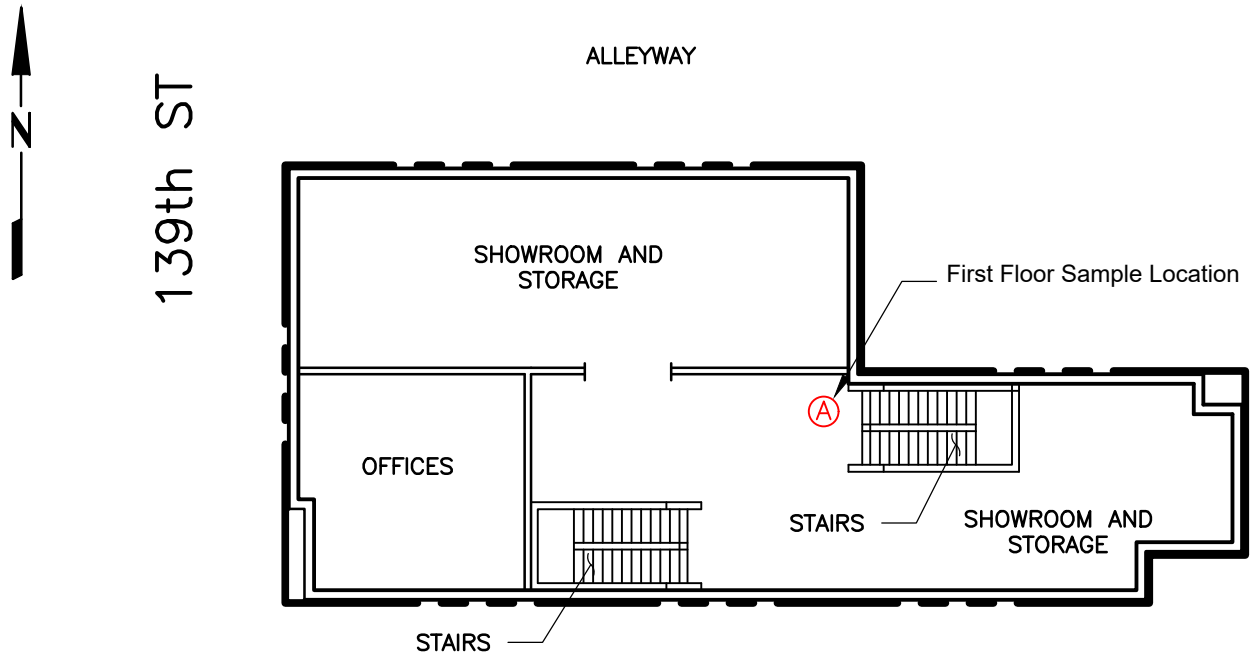
Location	Former Duraspec Electroplating Facility							NYSDOH Action Levels
Matrix	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air (1)
Date Sampled	1/16/2019	2/12/2020	12/29/2020	11/20/2021	11/22/2022	11/8/2023	11/8/2024	
Level	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	First Floor	
Sample ID	IAQ-FIRST-012019	IAQ-FIRST-022020	IAQ-FIRST-122020	IAQ-FIRST-112021	IAQ-FIRST-112222	First Floor 11/8	IA-1 (First Floor)	
Sample Method	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	
Parameter								
Methylene Chloride (µg/m3)	7.3	ND	ND	ND	ND	3.93	ND	60
Carbon Tetrachloride (µg/m3)	0.56	0.352	0.459	0.409	0.440	0.415	0.083	NS
Tetrachloroethene (µg/m3)	0.42	2.04	0.8	0.251	0.400	0.441	ND	30
Trichloroethene (µg/m3)	ND	ND	ND	ND	ND	ND	0.259	2

Notes:

µg/m3 - micrograms per cubic meter

NS - No Standard

(1) New York State Department of Health Indoor Air Guideline



Legend

Ⓐ INDOOR AIR QUALITY SAMPLE LOCATION

0 10 20 40

SCALE IN FEET

Prepared/Date: WJW 1/06/23
Checked/Date: EAW 12/22/24

Former Duraspec Electroplating, Inc. 87-83, 139th Street, Jamaica, NY 11435	Touchstone Environmental Geology, PC 1919 Middle Country Road, Suite 205 Centereach, NY 11720	Indoor Air Sampling Location First Floor Figure 3A

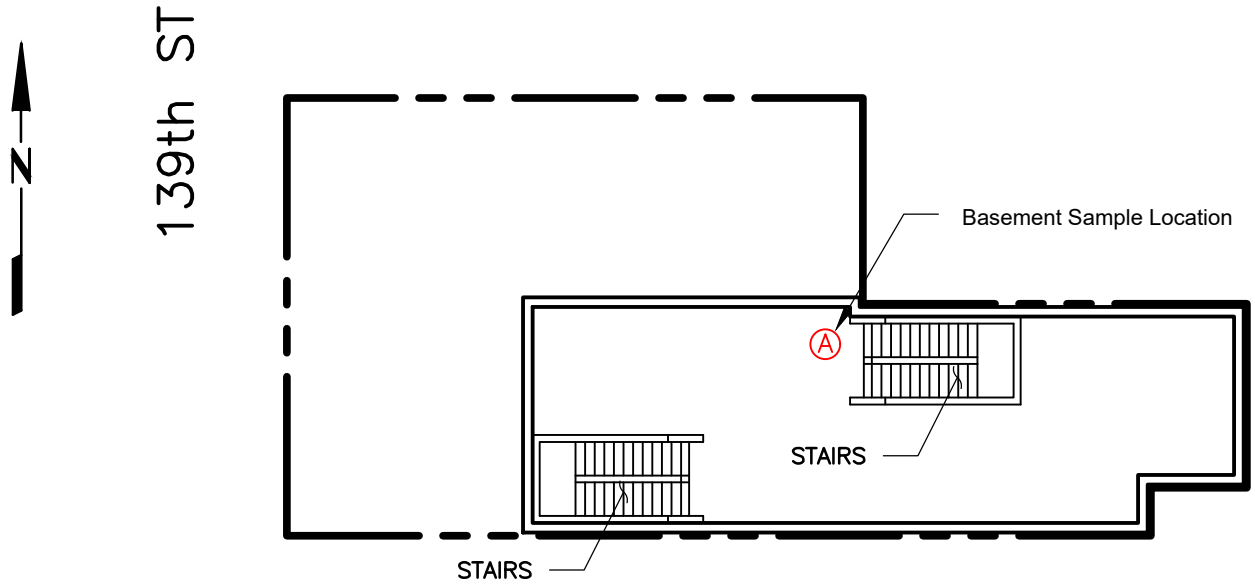
Location	Former Duraspec Electroplating Facility							NYSDOH Action Levels
Matrix	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air (1)
Date Sampled	1/16/2019	2/12/2020	12/29/2020	11/20/2021	11/22/2022	11/8/2023	11/8/2024	
Level	Basement	Basement	Basement	Basement	Basement	Basement	Basement	
Sample ID	IAQ-BASEMENT-0119	IAQ-BASEMENT-022020	IAQ-BASEMENT-122020	IAQ-BASEMENT-112021	IAQ-BASEMENT-112222	Basement 11/8	AI-2 (Basement)	
Sample Method	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	
Parameter								
Methylene Chloride (µg/m3)	ND	ND	ND	ND	ND	2.74	ND	60
Carbon Tetrachloride (µg/m3)	0.541	0.409	0.44	0.409	0.491	0.468	0.081	NS
Tetrachloroethene (µg/m3)	0.481	1.61	0.658	0.251	0.373	0.409	ND	30
Trichloroethene (µg/m3)	ND	ND	ND	ND	ND	ND	0.244	2

Notes:

µg/m3 - micrograms per cubic meter

NS - No Standard

(1) New York State Department of Health Indoor Air Guideline



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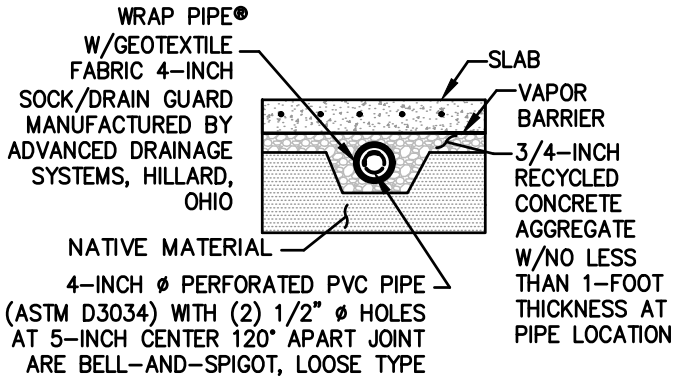
Ⓐ INDOOR AIR QUALITY SAMPLE LOCATION

0 10 20 40

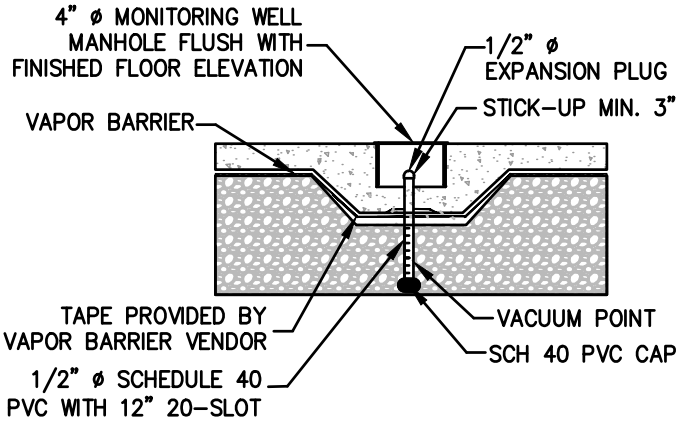
SCALE IN FEET

Prepared/Date: WJW 1/06/23
Checked/Date: EAW 12/22/24

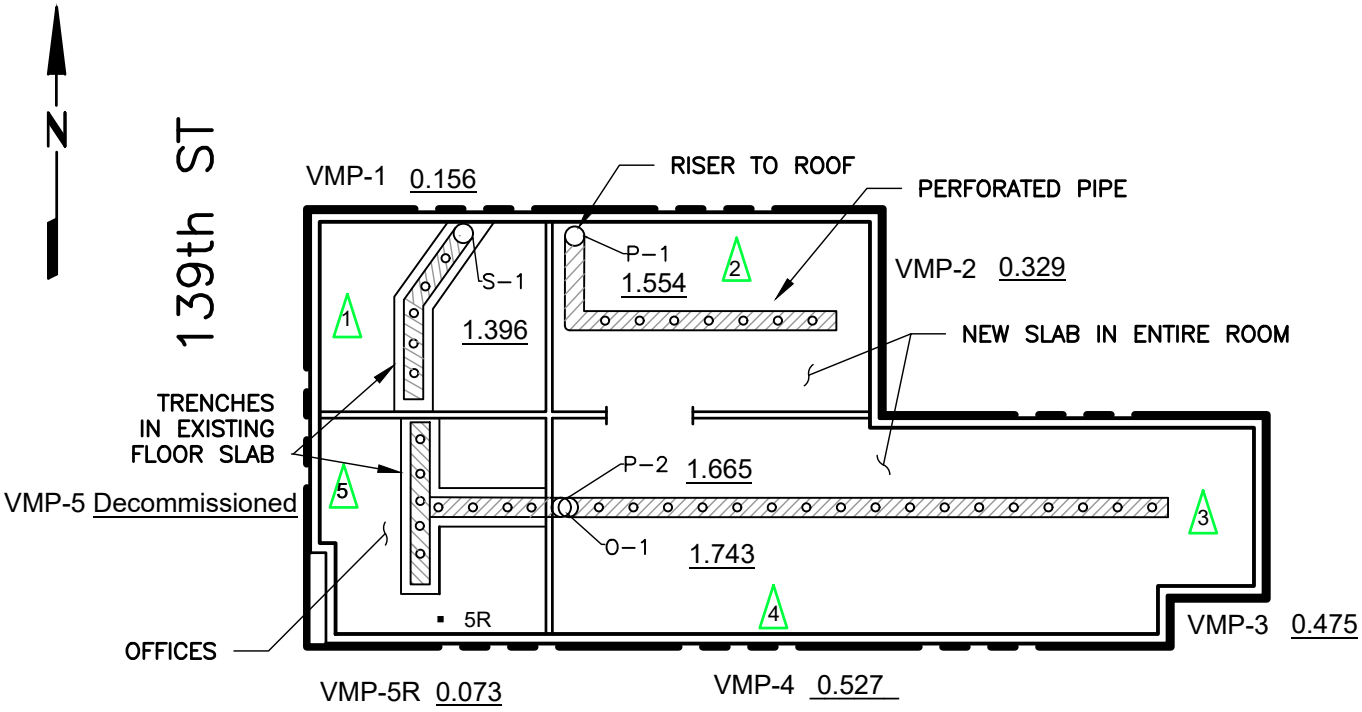
Former Duraspec Electroplating, Inc. 87-83, 139th Street, Jamaica, NY 11435	Touchstone Environmental Geology, PC 1919 Middle Country Road, Suite 205 Centereach, NY 11720	Indoor Air Sampling Location Basement Figure 3B



TYPICAL VENT PIPE CROSS-SECTION (NTS)



TYPICAL VACUUM MONITORING POINT (NTS)



Date: 11/8/2024 Readings in inches of water

LEGEND

VACUUM MONITORING POINT

4"ø PERFORATED PVC PIPE

4"ø SOLID PVC PIPE

RISER

• 5R Replaced VMP

0 10 20 40

SCALE IN FEET

Prepared/Date: 12/20/2024

Former Duraspec Electroplating, Inc. 87-83, 139th Street, Jamaica, NY 11435	Touchstone Environmental Geology, PC 1919 Middle Country Road, Suite 205 Centereach, NY 11720	SSD System And Vacuum Monitoring Points Figure 4

TABLES

Table 1
Indoor Air Volatile Compound Analytical Results
87-83 139th Street, Jamaica, New York

Sample Designation		IA-1 (First Floor)		IA-2 (Basement)	
Collection Date		11/8/2024		11/8/2024	
Matrix		Air		Air	
Units		ug/m3		ug/m3	
Compounds	Guidance	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane		< 0.146	0.146	< 0.146	0.146
1,1,1-Trichloroethane	**	< 0.183	0.183	< 0.183	0.183
1,1,2,2-Tetrachloroethane		< 0.146	0.146	< 0.146	0.146
1,1,2-Trichloroethane		< 0.183	0.183	< 0.183	0.183
1,1-Dichloroethane		< 0.247	0.247	< 0.247	0.247
1,1-Dichloroethene	*	< 0.051	0.051	< 0.051	0.051
1,2,4-Trichlorobenzene		< 0.135	0.135	< 0.135	0.135
1,2,4-Trimethylbenzene		**0.289**	0.204	**0.363**	0.204
1,2-Dibromoethane(EDB)		< 0.130	0.130	< 0.130	0.130
1,2-Dichlorobenzene		< 0.166	0.166	< 0.166	0.166
1,2-Dichloroethane		< 0.247	0.247	< 0.247	0.247
1,2-dichloropropane		< 0.217	0.217	< 0.217	0.217
1,2-Dichlorotetrafluoroethane		< 0.143	0.143	< 0.143	0.143
1,3,5-Trimethylbenzene		< 0.204	0.204	< 0.204	0.204
1,3-Butadiene		< 0.452	0.452	< 0.452	0.452
1,3-Dichlorobenzene		< 0.166	0.166	< 0.166	0.166
1,4-Dichlorobenzene		< 0.166	0.166	< 0.166	0.166
1,4-Dioxane		< 0.278	0.278	< 0.278	0.278
2-Hexanone(MBK)		< 0.244	0.244	< 0.244	0.244
4-Ethyltoluene		< 0.204	0.204	**0.224**	0.204
4-Isopropyltoluene		< 0.182	0.182	< 0.182	0.182
4-Methyl-2-pentanone(MIBK)		< 0.244	0.244	< 0.244	0.244
Acetone		**10.2**	0.421	**13**	0.421
Acrylonitrile		< 0.461	0.461	< 0.461	0.461
Benzene		**0.328**	0.313	**0.322**	0.313
Benzyl chloride		< 0.193	0.193	< 0.193	0.193
Bromodichloromethane		< 0.149	0.149	< 0.149	0.149
Bromoform		< 0.097	0.097	< 0.097	0.097
Bromomethane		< 0.258	0.258	< 0.258	0.258
Carbon Disulfide		< 0.321	0.321	< 0.321	0.321
Carbon Tetrachloride	*	**0.083**	0.032	**0.081**	0.032
Chlorobenzene		< 0.217	0.217	< 0.217	0.217
Chloroethane		< 0.379	0.379	< 0.379	0.379
Chloroform		< 0.205	0.205	< 0.205	0.205
Chloromethane		**0.651**	0.485	**0.6**	0.485
Cis-1,2-Dichloroethene	*	< 0.051	0.051	< 0.051	0.051
cis-1,3-Dichloropropene		< 0.221	0.221	< 0.221	0.221
Cyclohexane		< 0.291	0.291	< 0.291	0.291
Dibromochloromethane		< 0.118	0.118	< 0.118	0.118
Dichlorodifluoromethane		**0.498**	0.202	**0.482**	0.202
Ethanol		**19.9**	0.531	**36.7**	0.531
Ethyl acetate		< 0.278	0.278	< 0.278	0.278
Ethylbenzene		< 0.230	0.230	< 0.230	0.230
Heptane		< 0.244	0.244	< 0.244	0.244
Hexachlorobutadiene		< 0.094	0.094	< 0.094	0.094
Hexane		**0.458**	0.284	**0.442**	0.284
Isooctane		**0.357**	0.215	**0.353**	0.215
Isopropylalcohol		**0.973**	0.407	**1.57**	0.407
Isopropylbenzene		< 0.204	0.204	< 0.204	0.204
m,p-Xylene		**0.609**	0.230	**0.798**	0.230
Methyl Ethyl Ketone		**0.662**	0.339	**0.933**	0.339
Methyl tert-butyl ether(MTBE)		< 0.278	0.278	< 0.278	0.278
Methylene Chloride	60	< 0.863	0.863	< 0.863	0.863
Naphthalene		< 0.200	0.200	< 0.200	0.200
n-Butylbenzene		< 0.182	0.182	< 0.182	0.182
o-Xylene		**0.231**	0.230	**0.33**	0.230
Propylene		< 0.581	0.581	< 0.581	0.581
sec-Butylbenzene		< 0.182	0.182	< 0.182	0.182
Styrene		< 0.235	0.235	< 0.235	0.235
Tetrachloroethene	30	< 0.037	0.037	< 0.037	0.037
Tetrahydrofuran		< 0.339	0.339	< 0.339	0.339
Toluene		**1.43**	0.266	**1.61**	0.266
Trans-1,2-Dichloroethene		< 0.252	0.252	< 0.252	0.252
trans-1,3-Dichloropropene		< 0.221	0.221	< 0.221	0.221
Trichloroethene	2	< 0.037	0.037	< 0.037	0.037
Trichlorofluoromethane		**0.259**	0.178	**0.244**	0.178
Trichlorotrifluoroethane		< 0.131	0.131	< 0.131	0.131
Vinyl Chloride	*	< 0.078	0.078	< 0.078	0.078

NOTES:
Bolded values indicate the analyte was detected at or above the Reporting Limit (RL)
ug/m3 = micrograms per meters cubed
NYSDOH Indoor Air Guideline
* = No established guidance, but expected to be less than 1 ug/m3
** = No established guidance, but expected to be around 3 ug/m3

Table 2
Historical Indoor Air Sample Results for Contaminants of Concern
Former Duraspec Electrplating Facility
Jamaica, NY

Location	**Former Duraspec Electroplating Facility**							**NYSDOH Action Levels**
Matrix	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air	**Indoor Air (1)**
Date Sampled	1/16/2019	2/12/2020	12/29/2020	11/20/2021	11/22/2022	11/8/2023	11/8/2024	
Level	**First Floor**	**First Floor**	**First Floor**	**First Floor**	**First Floor**	**First Floor**	**First Floor**	
Sample ID	IAQ-FIRST-012019	IAQ-FIRST-022020	IAQ-FIRST-122020	IAQ-FIRST-112021	IAQ-FIRST-112222	First Floor 11/8	IA-1 (First Floor)	
Sample Method	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	
Parameter								
Methylene Chloride (µg/m3)	7.3	ND	ND	ND	ND	3.93	ND	60
Carbon Tetrachloride (µg/m3)	0.56	0.352	0.459	0.409	0.440	0.415	0.083	NS
Tetrachloroethene (µg/m3)	0.42	2.04	0.8	0.251	0.400	0.441	ND	30
Trichloroethene (µg/m3)	ND	ND	ND	ND	ND	ND	0.259	2
Level	**Basement**	**Basement**	**Basement**	**Basement**	**Basement**	**Basement**	**Basement**	
Sample ID	IAQ-BASEMENT-0119	IAQ-BASEMENT-022020	IAQ-BASEMENT-122020	IAQ-BASEMENT-112021	IAQ-BASEMENT-112222	Basement 11/8	AI-2 (Basement)	
Sample Method	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	TO-15 SIM	
Parameter								
Methylene Chloride (µg/m3)	ND	ND	ND	ND	ND	2.74	ND	60
Carbon Tetrachloride (µg/m3)	0.541	0.409	0.44	0.409	0.491	0.468	0.081	NS
Tetrachloroethene (µg/m3)	0.481	1.61	0.658	0.251	0.373	0.409	ND	30
Trichloroethene (µg/m3)	ND	ND	ND	ND	ND	ND	0.244	2

Notes:

µg/m3 - micrograms per cubic meter

NS - No Standard

(1) New York State Department of Health Indoor Air Guideline

APPENDIX A – CERTIFICATION FORM

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 241204

Site Name Former Duraspec Electroplating

Site Address: 87-83 139th Street Zip Code: 11435
City/Town: Jamaica
County: Queens
Site Acreage: 0.093

Reporting Period: December 12, 2023 to December 12, 2024

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____
Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 241204 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
9685-50	Hastings Capital, LLC	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

- The property may be used for commercial use;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Queens Department of Health to render it safe for use as drinking water or for industrial purpose, and the user must first notify and obtain written approval to do so from the Department;
- Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical component of the remedy shall be performed as defined in this SMP;
- Property owner to assure compliance with the restrictions identified by the Environmental Easement;
- The potential for vapor intrusion must be evaluated for any buildings developed in the area within the IC boundaries, and any potential impacts that are identified must be monitored or mitigated; and
- Vegetable gardens and farming on the site are prohibited.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
9685-50	Vapor Mitigation Cover System

- A cover system was installed consisting of a concrete slab at least 4-inches in thick.
- A Sub-Slab Depressurization System with two fans and a plastic vapor barrier were installed below the concrete slab.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative Date

IC CERTIFICATIONS
SITE NO. 241204

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Robert Birnbaum (print name) at Hastings Capital, LLC, 100 Field Street, West Babylon, NY 11704 (print business address),

am certifying as Owner (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

X _____

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

12/23/24
Date

EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Rachel Ataman (print name) at Touchstone Environmental Geology, PC, 1919 Middle Country Road, Centereach, NY11720 (print business address),

am certifying as a Owner for the _____ (Owner or Remedial Party)

Rachel Ataman

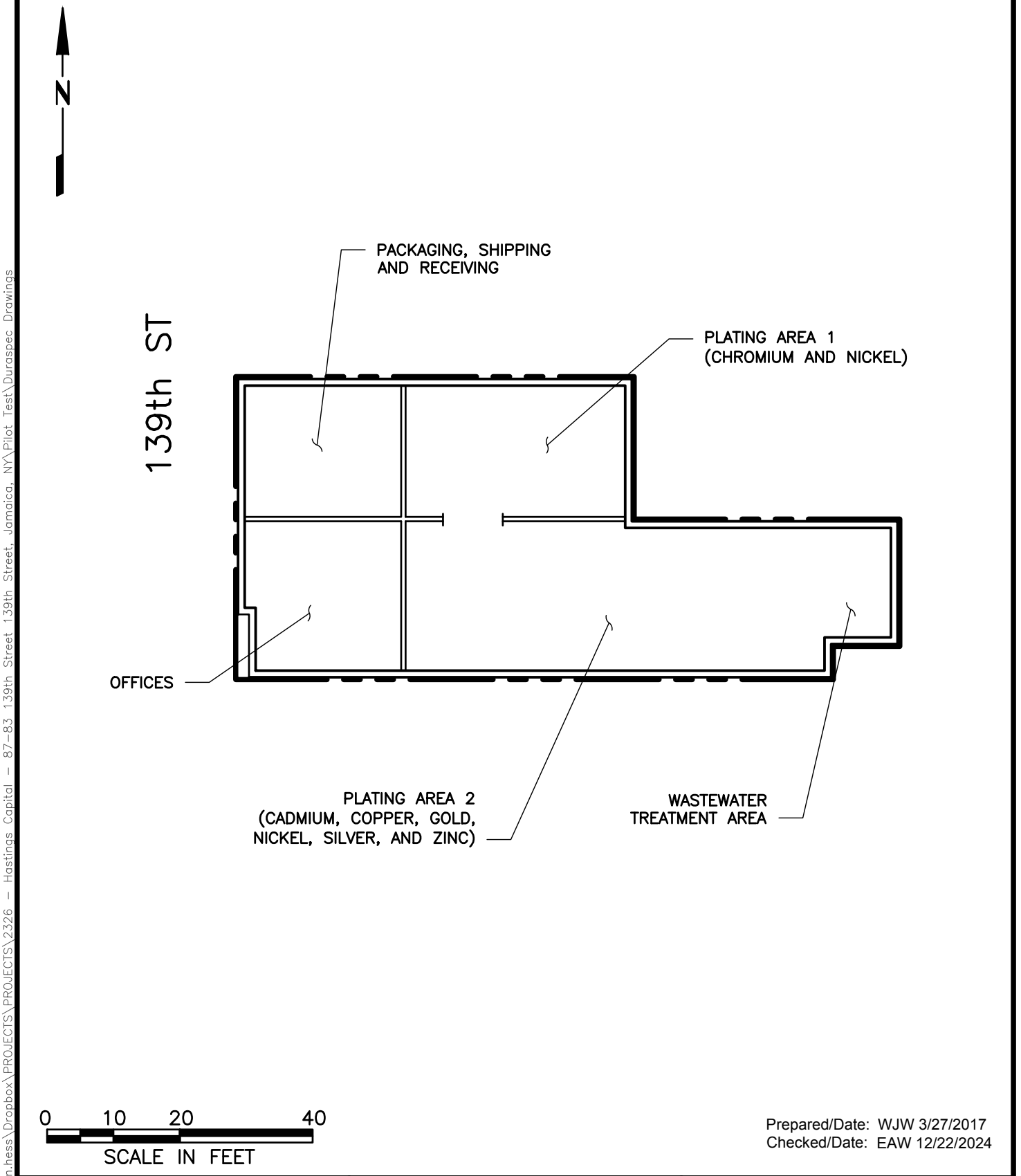
Signature of QEP, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

01/03/2025

Date

APPENDIX B – PLANT LAYOUT



Prepared/Date: WJW 3/27/2017
Checked/Date: EAW 12/22/2024

Former Duraspec Electroplating, Inc. 87-83, 139th Street, Jamaica, NY 11435	Touchstone Environmental Geology, PC 1919 Middle Country Road, Suite 205 Centereach, NY 11720	Plant Layout Figure B-1

C:\Users\benjamin.hess\Dropbox\PROJECTS\PROJECTS\2326 - Hastings Capital - 87-83 139th Street 139th Street, Jamaica, NY\Pilot Test\Duraspec Drawings

APPENDIX C – LABORATORY REPORT

PHOENIX
Environmental Laboratories, Inc.

Wednesday, November 13, 2024

Attn: Rachel Ataman
Touchstone Environmental Geology, PC
1919 Middle Country Road
Centereach, NY 11720

Project ID: **FORMER DURASPEC PLATING SITE 87-83 139TH**
SDG ID: **GCS04305**
Sample ID#s: CS04305 - CS04306

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

November 13, 2024

SDG I.D.: GCS04305

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH

Client Id	Lab Id	Matrix
IA-2	CS04305	AIR
IA-1	CS04306	AIR

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

November 13, 2024

FOR: Attn: Rachel Ataman
Touchstone Environmental Geology, PC
1919 Middle Country Road
Centereach, NY 11720

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FA	11/08/24	17:05
Location Code:	TOUCHSTONE	Received by:	CP	11/11/24	16:25
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23342				

Laboratory Data

SDG ID: GCS04305
Phoenix ID: CS04305

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH
Client ID: IA-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/11/24	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	11/11/24	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/11/24	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	11/11/24	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	11/11/24	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	11/11/24	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	11/11/24	KCA	1	
1,2,4-Trimethylbenzene	0.289	*0.204*	1.42	*1.00*	11/11/24	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	11/11/24	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/11/24	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	11/11/24	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	11/11/24	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	11/11/24	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	11/11/24	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	11/11/24	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/11/24	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/11/24	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	11/11/24	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	11/11/24	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	11/11/24	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	11/11/24	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	11/11/24	KCA	1	
Acetone	10.2	*0.421*	24.2	*1.00*	11/11/24	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	11/11/24	KCA	1	
Benzene	0.328	*0.313*	1.05	*1.00*	11/11/24	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	11/11/24	KCA	1	

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH Phoenix I.D.: CS04305

Client ID: IA-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	11/11/24	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	11/11/24	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	11/11/24	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	11/11/24	KCA	1	
Carbon Tetrachloride	0.083	*0.032*	0.52	*0.20*	11/11/24	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	11/11/24	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	11/11/24	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	11/11/24	KCA	1	
Chloromethane	0.651	*0.485*	1.34	*1.00*	11/11/24	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	11/11/24	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	11/11/24	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	11/11/24	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	11/11/24	KCA	1	
Dichlorodifluoromethane	0.498	*0.202*	2.46	*1.00*	11/11/24	KCA	1	
Ethanol	19.9	*0.531*	37.5	*1.00*	11/11/24	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	11/11/24	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	11/11/24	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	11/11/24	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	11/11/24	KCA	1	
Hexane	0.458	*0.284*	1.61	*1.00*	11/11/24	KCA	1	
Isooctane	0.357	*0.215*	1.66	*1.00*	11/11/24	KCA	1	
Isopropylalcohol	0.973	*0.407*	2.39	*1.00*	11/11/24	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	11/11/24	KCA	1	
m,p-Xylene	0.609	*0.230*	2.64	*1.00*	11/11/24	KCA	1	
Methyl Ethyl Ketone	0.662	*0.339*	1.95	*1.00*	11/11/24	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	11/11/24	KCA	1	
Methylene Chloride	ND	*0.863*	ND	*3.00*	11/11/24	KCA	1	
Naphthalene	ND	*0.200*	ND	*1.05*	11/11/24	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	11/11/24	KCA	1	1
o-Xylene	0.231	*0.230*	1.00	*1.00*	11/11/24	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	11/11/24	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	11/11/24	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	11/11/24	KCA	1	
Tetrachloroethene	ND	*0.037*	ND	*0.25*	11/11/24	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	11/11/24	KCA	1	1
Toluene	1.43	*0.266*	5.39	*1.00*	11/11/24	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/11/24	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	11/11/24	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	11/11/24	KCA	1	
Trichlorofluoromethane	0.259	*0.178*	1.45	*1.00*	11/11/24	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	11/11/24	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	11/11/24	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	105	*%*	105	*%*	11/11/24	KCA	1	
% IS-1,4-Difluorobenzene	82	*%*	82	*%*	11/11/24	KCA	1	
% IS-Bromochloromethane	83	*%*	83	*%*	11/11/24	KCA	1	
% IS-Chlorobenzene-d5	89	*%*	89	*%*	11/11/24	KCA	1	

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH
Phoenix I.D.: CS04305

Client ID: IA-2

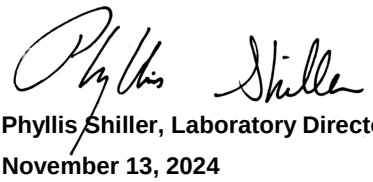
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

November 13, 2024

Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

NY # 11301

Analysis Report

November 13, 2024

FOR: Attn: Rachel Ataman
Touchstone Environmental Geology, PC
1919 Middle Country Road
Centereach, NY 11720

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	FA	11/08/24	17:00
Location Code:	TOUCHSTONE	Received by:	CP	11/11/24	16:25
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	49235				

Laboratory Data

SDG ID: GCS04305
Phoenix ID: CS04306

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH
Client ID: IA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Volatiles (TO15)								
1,1,1,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/11/24	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	11/11/24	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	11/11/24	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	11/11/24	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	11/11/24	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	11/11/24	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	11/11/24	KCA	1	
1,2,4-Trimethylbenzene	0.363	*0.204*	1.78	*1.00*	11/11/24	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	11/11/24	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/11/24	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	11/11/24	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	11/11/24	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	11/11/24	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	11/11/24	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	11/11/24	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/11/24	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	11/11/24	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	11/11/24	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	11/11/24	KCA	1	1
4-Ethyltoluene	0.224	*0.204*	1.10	*1.00*	11/11/24	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	11/11/24	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	11/11/24	KCA	1	
Acetone	13.0	*0.421*	30.9	*1.00*	11/11/24	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	11/11/24	KCA	1	
Benzene	0.322	*0.313*	1.03	*1.00*	11/11/24	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	11/11/24	KCA	1	

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH Phoenix I.D.: CS04306

Client ID: IA-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	11/11/24	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	11/11/24	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	11/11/24	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	11/11/24	KCA	1	
Carbon Tetrachloride	0.081	*0.032*	0.51	*0.20*	11/11/24	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	11/11/24	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	11/11/24	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	11/11/24	KCA	1	
Chloromethane	0.600	*0.485*	1.24	*1.00*	11/11/24	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	11/11/24	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	11/11/24	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	11/11/24	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	11/11/24	KCA	1	
Dichlorodifluoromethane	0.482	*0.202*	2.38	*1.00*	11/11/24	KCA	1	
Ethanol	36.7	*0.531*	69.1	*1.00*	11/11/24	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	11/11/24	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	11/11/24	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	11/11/24	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	11/11/24	KCA	1	
Hexane	0.442	*0.284*	1.56	*1.00*	11/11/24	KCA	1	
Isooctane	0.353	*0.215*	1.64	*1.00*	11/11/24	KCA	1	
Isopropylalcohol	1.57	*0.407*	3.86	*1.00*	11/11/24	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	11/11/24	KCA	1	
m,p-Xylene	0.798	*0.230*	3.46	*1.00*	11/11/24	KCA	1	
Methyl Ethyl Ketone	0.933	*0.339*	2.75	*1.00*	11/11/24	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	11/11/24	KCA	1	
Methylene Chloride	ND	*0.863*	ND	*3.00*	11/11/24	KCA	1	
Naphthalene	ND	*0.200*	ND	*1.05*	11/11/24	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	11/11/24	KCA	1	1
o-Xylene	0.330	*0.230*	1.43	*1.00*	11/11/24	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	11/11/24	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	11/11/24	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	11/11/24	KCA	1	
Tetrachloroethene	ND	*0.037*	ND	*0.25*	11/11/24	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	11/11/24	KCA	1	1
Toluene	1.61	*0.266*	6.06	*1.00*	11/11/24	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	11/11/24	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	11/11/24	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	11/11/24	KCA	1	
Trichlorofluoromethane	0.244	*0.178*	1.37	*1.00*	11/11/24	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	11/11/24	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	11/11/24	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	106	*%*	106	*%*	11/11/24	KCA	1	
% IS-1,4-Difluorobenzene	84	*%*	84	*%*	11/11/24	KCA	1	
% IS-Bromochloromethane	85	*%*	85	*%*	11/11/24	KCA	1	
% IS-Chlorobenzene-d5	89	*%*	89	*%*	11/11/24	KCA	1	

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH
Phoenix I.D.: CS04306
Client ID: IA-1

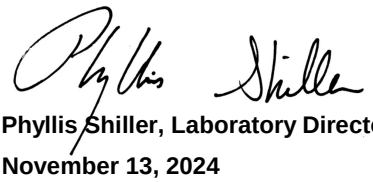
Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director
November 13, 2024
Reviewed and Released by: Anil Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

November 13, 2024

FOR: Attn: Rachel Ataman
Touchstone Environmental Geology, PC
1919 Middle Country Road
Centereach, NY 11720

Location Code: TOUCHSTONE

SDG I.D.: GCS04305

Project ID: FORMER DURASPEC PLATING SITE 87-83 139TH

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
IA-2	CS04305	23342	6.0L	5353	11/05/24	-30	-7	11	11	0.0	-30	-8	11/08/24 09:05	11/08/24 17:05
IA-1	CS04306	49235	6.0L	3264	11/05/24	-30	-7	10.9	11	0.9	-28	-6	11/08/24 09:00	11/08/24 17:00

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 13, 2024

QA/QC Data

SDG I.D.: GCS04305

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 757887 (ppbv), QC Sample No: CS03945 (CS04305, CS04306)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	105	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	103	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	111	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	102	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
2,2,4-Trimethylpentane	ND	0.210	ND	0.98	103	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	110	ND	ND	ND	ND	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	103	1.20	1.24	0.218	0.226	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	107	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	95	43.7	45.1	18.4	19.0	3.2	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	94	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	116	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	120	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	109	0.47	0.47	0.075	0.075	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	113	1.27	1.28	0.614	0.619	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	107	2.19	2.34	0.444	0.474	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCS04305

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	98	140 E	147	74.4 E	77.8	4.5	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	129	2.39	2.72	0.665	0.754	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	105	1.06	1.03	0.244	0.237	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	101	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	101	8.60	8.87	3.50	3.61	3.1	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	107	4.01	4.06	0.923	0.935	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	105	16.4	17.1	5.58	5.79	3.7	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	96	ND	ND	ND	ND	NC	70 - 130	25
Naphthalene	ND	0.200	ND	1.05	107	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	100	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	105	1.73	1.61	0.399	0.370	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	104	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	108	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	106	0.98	0.94	0.144	0.139	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	103	2.63	2.59	0.697	0.689	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	106	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	107	1.18	1.15	0.211	0.205	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	102	%	102	%	103	105	104	105	104	NC	70 - 130	25
% IS-1,4-Difluorobenzene	94	%	94	%	102	91	93	91	93	NC	60 - 140	25
% IS-Bromochloromethane	95	%	95	%	98	95	92	95	92	NC	60 - 140	25
% IS-Chlorobenzene-d5	97	%	97	%	111	97	97	97	97	NC	60 - 140	25

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference
(ISO) - Isotope Dilution

Phyllis Shiller, Laboratory Director
November 13, 2024

Wednesday, November 13, 2024

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCS04305 - TOUCHSTONE

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

November 13, 2024 SDG I.D.: GCS04305

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

AIRSIM

CHEM39 11/11/24-1: CS04305, CS04306

The following Continuing Calibration compounds did not meet % deviation criteria: Benzyl chloride(sim) 36%H (30%)
The following Continuing Calibration compounds did not meet Maximum % deviation criteria: Benzyl chloride(sim) 36%H (30%)

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
860-645-1102
email: greg@phoenixlabs.com

TOUCHSTONE

P.O. # Page 1 of 1

Data Delivery:
☐ Fax #:
☐ Email:
☐ Phone #:

Report to:	rachel Ataman	Project Name: Former Durospec Plating 87-83 139th St. Jamaica, NY	Data Format: (Circle) Equis Excel Other:
Customer:	Touchstone Environmental Geology, PC	Invoice to:	Requested Deliverable: RCP ASP CAT B
Address:	1919 Middle Country Road		MCP NJ Deliverables
16458	Centereach, NY 11720	Sampled by: F. Ataman	Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
		THIS SECTION FOR LAB USE ONLY											MATRIX			ANALYSES	
04305	IA-2	23342	6.0L	-30	-7	5353	11	9:05	17:05	11/8/24	-30	-8	✓			✓	
04306	IA-1	49235	6.0L	-30	-7	3264	10.9	9:00	17:00	11/8/24	-28	-6	✓			✓	

Relinquished by:	Accepted by:	Date:	Time:
		11/11/24	1010
		11/11/24	16:25

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: _____ Date: _____

State Where Samples Collected: _____

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:

(2) - 6.0L 8 hr

Turnaround Time:
- 1 Day* ☐
- 2 Day* ☐
- 3 Day* ☐
- 4 Day* ☐
- 5 Day* ☐
- Standard ☐

*SURCHARGES MAY APPLY

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C	Indoor Air:	Indoor Air:	Vapor Intrusion	Indoor Air	Indoor Air
TAC RES	Residential	Residential		Residential	Residential
SVVC I/C	Ind/Commercial	Ind/Commercial		Non-residential	Industrial
SVVC RES	Soil Gas:	Soil Gas:			Sub-slab
GWV I/C	Residential	Residential			Residential
GWV CES	Ind/Commercial	Ind/Commercial			Industrial

APPENDIX D – FIELD FORMS AND PHOTOS

11/8/2024

Former Duraspec Plating Site

Field Measurements Or Observations To Be Collected During Indoor Air Sampling

Date: _____

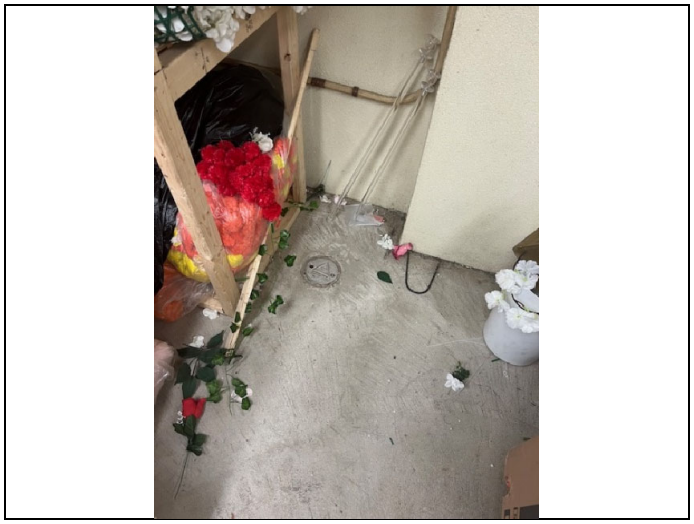
Remedial System Component	Monitoring Parameter	Measured Or Observed Value	
SSD System Fan	Vacuum during annual inspection	S-1 1.396	In. of water
		P-1 1.554	In. of water
		P-2 1.665	In. of water
		O-1 1.743	In. of water
Vacuum Monitoring Points	VMP-1	0.156	In. of water
	VMP-2	0.329	In. of water
	VMP-3	0.475	In. of water
	VMP-4	0.527	In. of water
	VMP-5	0.073	In. of water
Duct Work	Condition during visit (circle one)	Excellent, Good, Needs Repair	
Basement Floors	Condition during visit (circle one)	Excellent, Good, Needs Repair	

Inventory Of Products Stored In Basement and First Floor

1st floor: Furniture, statues, artifical flowers, plastic candle holders, metal frames, plaster decoration items. Rust-oleum spay paint, clothing detergent, can of fluid film (Penetrant + lubricant)

Basement: Artifical flowers, wood frames, plastic bags/containers, carpet, fabric, metal frames + cardboard boxes

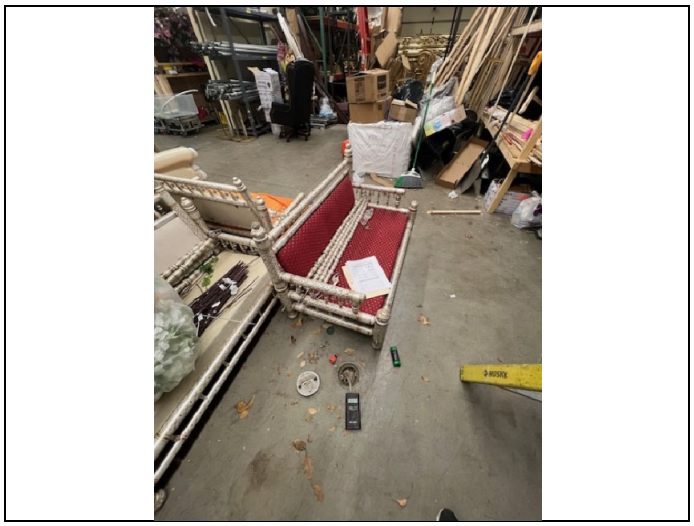
1. Measuring Pressure in vacuum point VMP-4



2. Vapor Point

3. Measuring Pressure in vacuum point VMP-4

4. Measuring Pressure in fan O-1



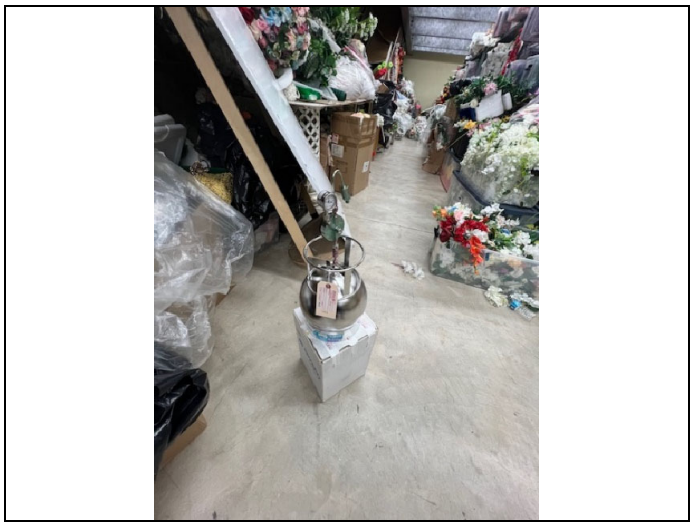
5. Measuring Pressure in vacuum point

6. Measuring Pressure in fan P-1

7. Measuring Pressure in fan P-1

8. Measuring Pressure in vacuum point VMP-1

9. Measuring Pressure in vacuum point VMP-5



10. Collection of Indoor Air Sample – Basement

11. Collection of Indoor Air Sample – First Floor

12. SSDS Fan on the Roof