Supplemental
Phase II Remedial Site Investigation
NYSDEC Spill # 15-12089

Site:

Touch of Class Dry Cleaners
1581 US Route 202
Pomona, NY 10970

Prepared for:

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1.0 INTRODUCTION

CNS Environmental ("CNS") was retained by Pacesetter 202, LLC to complete a Supplemental Phase II Remedial Site Investigation ("Supplemental Site Investigation") at the Touch of Class Dry Cleaners situated within the Pacesetter Park Shopping Center located at 1581 US Route 202 in Pomona, NY; referred to hereafter as the "Subject Site". See Figure I for Site Location Map.

The Pacesetter Park Shopping Center is situated on a 10.33-acre lot and is improved with two (2) multi-tenant retail strip center buildings constructed in c. 1976-1977 on the southeastern and western portions of the site, respectively, with associated asphalt-paved parking and service areas. The Subject Site (Touch of Class Dry Cleaners) is located is the southeastern multi-tenant building currently anchored by Stop & Shop and has operated as a dry cleaner since the site's development in c. 1976-1977.

2.0 BACKGROUND

The following narrative describes the environmental history of the Site:

In April 2015, EBI completed a Phase I Environmental Site Assessment (ESA) for the Pacesetter Park Shopping Center, which identified the Dry-Cleaning Facility "Touch of Class Cleaners" located in the multi-tenant building situated in the southeastern portion of the site. Additionally, based upon EBI's review of the historical city directories, various vehicle maintenance and auto body repair facilities were identified as occupying the southern portion of the present-day Chase Bank between 1977 and 1995, which included at least four (4) service bays and a paint booth. EBI subsequently concluded that the Touch of Class Cleaners and the identified historical vehicle maintenance facility were considered *Recognized Environmental Conditions* (RECs); and recommended a Limited Phase II Subsurface Investigation be completed to determine if these operations had impacted the Subject Site.

In June 2015, EBI completed a Limited Phase II Subsurface Investigation where a total of five (5) subsurface borings (B1, B2, B3, B4 and B5) were advanced with the collection of soil and groundwater samples. Soil boring B1 was advanced inside the Touch of Class Cleaners tenant space, immediately adjacent to the dry-cleaning machine; soil borings B2 and B3 were advanced outside of the building to the south and southeast of the Touch of Class Cleaners tenant space; and soil borings B4 and B5 were advanced to the south of the Chase Bank tenant space. Groundwater was encountered in each of soil boring at depths ranging from 7-feet to 10-feet below ground surface (bgs). In addition, EBI also installed a soil vapor point (SV-1) at the location of soil boring B1 and collected a soil vapor sample, prior to the completion of the soil boring.

Soil analytical results associated with the Touch of Class Cleaners soil borings identified cis-1,2-Dichloroethene (c-DCE) and Methylene Chloride exceeding their respective NYSDEC Unrestricted SCO in soil borings B1 and B2; Tetrachloroethene (PCE) and Trichloroethene (TCE) exceeding their respective NYSDEC Unrestricted SCOs in soil boring B1; and Vinyl Chloride exceeding its respective NYSDEC Unrestricted SCO in soil boring B2. No constituents were identified above the laboratory's minimum detection limit within soil boring B3 advanced to the southeast of the tenant space. In addition, no elevated soil constituents were identified within either soil boring associated with the former vehicle maintenance and auto body repair operations advanced behind Chase Bank.

Groundwater analytical results associated with the Touch of Class Cleaners soil borings identified 1,1-Dichloroethene, DCE, trans-1,2-Dichloroethene (t-DCE), PCE, TCE, and Vinyl Chloride exceeding their respective NYSDEC TOGS values within soil borings B1 and B2; and Isopropylbenzene, 1,2,4-Trimethylbenzene, and 1,3,5-Trimethylbenzene were identified in soil boring B2 above their respective

NYSDEC TOGS values.

In addition, Methyl Tert Butyl Ether was identified within soil boring B4 advanced behind Chase Bank in connection with the former vehicle maintenance and auto body repair operations, exceeding its respective NYSDEC TOGS value. No elevated groundwater constituents were identified within soil borings B3 or B5.

Soil Vapor analytical results identified PCE (1,840 $\mu g/m^3$) and TCE (7 $\mu g/m^3$), exceeding their respective NYSDOH screening values of 100 $\mu g/m^3$ and 6 $\mu g/m^3$, respectively; however, this soil vapor sampling was not performed in compliance with NYSDOH protocols.

Based analytical results, EBI recommended additional investigation(s) be conducted to delineate the extent of the release and determine if remediation was warranted.

Based on the findings made by EBI, CNS was retained to complete a Phase II Subsurface Investigation at the Subject Site. From September to October of 2015, CNS advanced four (4) soil borings/temporary well points and installed three (3) permanent groundwater monitoring wells, with the collection of soil and groundwater samples, respectively. Monitoring well MW-1 was installed at the approximate location of EBI's former soil boring B2; monitoring well MW-2 was installed at the approximate location of EBI's former soil boring B4; monitoring well MW-3 was approximately 50-feet downgradient of MW-1; soil boring SB-01 was advanced to the southeast of the Touch of Class Cleaners tenant space; soil boring SB-02 was advanced approximately 22-feet south of MW-1; SB-03 was advanced approximately 58-feet west of SB-02; and SB-04 was advanced approximately 8-feet east of MW-1.

Groundwater analytical results identified the dry-cleaning related chlorinated solvent contaminants Vinyl Chloride and c-DCE exceeding the NYSDEC Groundwater Standards within the groundwater samples collected from monitoring well MW-1 and soil borings SB-02 and SB-04. In addition, the contaminant Tetrahydrofuran (THF) was identified exceeding the NYSDEC Groundwater Standards within the groundwater samples collected from SB-02, SB-03 and SB-04. Soil analytical results did not identify any chlorinated solvent contamination.

Based on the findings of CNS's Phase II Investigation, an Interim RAWP was generated by CNS in April 2016 to conduct additional site investigation(s) under the direction of the NYSDEC, in order to characterize the extent of the identified contamination and develop an appropriate remedial approach, if applicable.

The NYSDEC-approved Interim RAWP outlined the proposed scope of work, which included the installation of an additional three (3) monitoring wells to determine a contamination trend. In addition, two (2) sub-slab soil vapor implants were proposed to be installed within the Touch of Class Cleaners tenant space, with the collection of sub-slab soil vapor, indoor air and outdoor air samples.

3.0 GEOLOGY / HYDROGEOLOGY

The elevation of the Subject Site is approximately 392-feet above sea level with anticipated groundwater flow in a general southerly direction towards the South Branch Minisceongo Creek.

Based on observations made during the subsurface investigation, the soil stratum consisted of 3-inches of asphalt atop fine grey sand with pebbles and asphalt to the depth of 5-feet below grade surface (bgs) underlain by grey clay and peat to the depths of 20-feet bgs. Groundwater was encountered between the depths of 7-feet to 8-feet bgs. See Appendix B for Monitoring Well Construction Logs.

4.0 FIELD ACTIVITIES

4.1. Geophysical Investigation

On Monday, February 17th, 2020, CNS oversaw the completion of a Geophysical Investigation performed by Ground Penetrating Radar Systems, LLC **(**GPRS) throughout the work area to locate utilities and to investigate for the presence metallic anomalies prior to drilling activities.

The Ground Penetrating Radar (GPR) system consisted of a Sensors and Software cart-mounted GPR unit with a 250 MHz antenna, a Radiodetection 7000T3 multi-frequency transmitter, a Radiodetection 7000 receiver and a Fisher TW-6 metallic locator. The cart mounted GPR unit transmits 250 MHz digital pulses to detect subsurface anomalies which is interpreted, recorded and presented in real-time video format. The Radiodetection (RD) transmitter and receiver are used for pipe and cable locating, as well as the metallic locator which is designed to find pipes, cables and other metallic objects such as USTs. Limitations to the effectiveness of GPR devices are contingent on the soil matrix conductivity, soil saturation, atmospheric temperature and/or aboveground obstacles.

A preliminary scan of the area was completed utilizing the metallic locator and the RD unit and receiver to trace common utilities from sources in and around the survey area, and to search for live underground electrical power cables and other utilities. Following the preliminary scan, GPRS utilized the cart mounted GPR unit and scanned the delineated area in a grid pattern with a minimum of two orthogonal directions.

The Geophysical Investigation identified and marked the locations of all subgrade utilities and cleared each proposed well location. See Figure II: Investigation Site Plan.

4.2. Soil and Groundwater Investigation

Prior to completing the soil and groundwater investigation, the Subject Site was cleared of utilities by DigSafe New York 811 in compliance with New York State Code Rule 753 regulations. As indicated above, a Geophysical Investigation was also performed in order to locate utilities and to investigate for the presence metallic anomalies within the work area.

On Monday, February 17th, 2020, CNS completed the soil and groundwater investigation at the Subject Site where a total of three (3) additional permanent groundwater monitoring wells were installed to characterize the extent of the dry-cleaning related chlorinated solvent contamination and develop an appropriate remedial approach, if applicable. See Figure II: Investigation Site Plan.

The soils were screened continuously using a Geoprobe™ 7822 DT which advanced 2-inch hollow stem augers to the elected termination depth of 12-feet below the groundwater table within the confined clay layer, respectively. Each boring sleeve was opened and evaluated by CNS for (i) physical soil characteristics; (ii) notable observations such as staining and odors; and (iii) screened utilizing a RAE Systems Photo-Ionization Detector (PID) at one-inch intervals to determine if potential VOCs were present. A boring log was generated documenting the findings.

PID readings remained at 0.0 ppm throughout each boring sleeve with no visual or olfactory evidence of impacts noted. See Appendix B: Monitoring Well Construction Logs. Since no elevated PID readings or visual/olfactory evidence of contamination was encountered, CNS did not collect soil samples and permanent monitoring wells were installed.

Monitoring wells were constructed of 2-inch diameter PVC and installed to a depth of 12-feet below the water table utilizing a 4.5-inch auger. Fifteen feet of 0.010 slot screen was installed to intersect the water table to allow for groundwater fluctuations. The annular space between the borehole and the well screen was backfilled with #2 Morie sand to a depth of two feet above the top of the screen. A two-foot thick hydrated bentonite seal was installed above the sand and the remainder of the annular space was backfilled with clean material. All monitoring wells were completed at grade with a small diameter flush-mount manhole and concrete seal. See Appendix B: Monitoring Well Installation/Construction Logs.

On Tuesday, February 25th, 2020 and Saturday, February 29th, 2020 (prior to completing groundwater sampling), each well was purged a minimum of three casing volumes with per-well dedicated tubing set in the middle of the well screen, to ensure representative samples from the formation surrounding the wells and to eliminate standing water in the wells. Temperature, pH, dissolved oxygen, conductivity and Oxygen Reduction Potential (ORP) measurements were collected and recorded prior to well purging, during well purging, and at sample collection. The collected groundwater samples are identified as follows:

Sample ID	Location	Depth (bgs)	PID Reading from Well Casing	Quality Measurements	
MW1-GW3A	MW1 ~20-feet South/Downgradient of Subject Site	8 – 12’	0.0 ppm	Temperature pH Dissolved Oxygen Conductivity ORP	55.69°F 11.32 2.78 mg/L 28.26 ms/cm -75.0
MW2-GW6A	MW2 Southeast/Crossgradient of Subject Site, behind Chase Bank	7 – 10’	0.0 ppm	Temperature pH Dissolved Oxygen Conductivity ORP	52.24°F 3.20 5.16 mg/L 18.55 ms/cm -12.5
MW3-GW2A	MW3 ~70-feet South/Downgradient of Subject Site	8 – 12’	0.0 ppm	Temperature pH Dissolved Oxygen Conductivity ORP	55.58°F 28.96 10.06 mg/L 46.15 ms/cm -40.8
MW4-GW5A	MW4 ~12-feet North/Upgradient of Subject Site	7 – 10’	0.0 ppm	Temperature pH Dissolved Oxygen Conductivity ORP	49.51°F 13.32 12.55 mg/L 9.34 ms/cm -18.7
MW5-GW4A	MW5 ~51-feet West/Crossgradient Of Subject Site	8 – 12’	0.0 ppm	Temperature pH Dissolved Oxygen Conductivity ORP	46.26°F 31.44 3.59 mg/L 41.31 ms/cm -30.1
MW6-GW1A	MW6 ~117-feet South/Downgradient of Subject Site	8 – 12’	0.0 ppm	Temperature pH Dissolved Oxygen Conductivity ORP	52.45°F 7.01 6.82 mg/L 16.25 ms/cm 22.4

The collected samples were placed in laboratory-supplied glassware, packed in ice-filled coolers accompanied by chain-of-custody documentation and transported to Phoenix Environmental Laboratories, Inc (NY ELAP #11301) located at 578 East Middle Turnpike in Manchester, CT 06040. The samples were collected and analyzed in accordance with USEPA’s *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)* and NYSDEC’s *DER-10: Technical Guidance for Site Investigation and Remediation (May 2010)* and analyzed for Volatile Organic Compounds (VOCs) via USEPA Method 8260C, respectively. See Appendix C: Laboratory Analytical Data Sheets – Groundwater.

4.3. Soil Vapor Intrusion Investigation

On Tuesday, February 25th, 2020, CNS performed a Soil Vapor Intrusion Investigation at the Subject Site to characterize the extent of the dry-cleaning related chlorinated solvent contamination and develop an appropriate remedial approach, if applicable. The Subject Site was operational at the time of the investigation; however, CNS completed the sampling event after the active dry-cleaning operations ceased for the day in order to minimize conditions that may interfere with the investigation.

Prior to sampling, a pre-survey inspection was conducted by Mr. Charles Powers of CNS, to further identify and minimize conditions that may interfere with the investigation. The Subject Site is demised by its abutting tenant spaces with demised wallboard partitions, with exception to structural partitions which were constructed with cinderblock (including the boiler room) and poured concrete slab on-grade flooring. There were no floor or wall penetrations identified; however, a floor drain was observed in vicinity of the dry-cleaning equipment and gas-fired boiler system. HVAC is provided to the subject site with a roof-top unit.

The dry-cleaning operation consisted of a centrally located dry-cleaning unit within a secondary containment and a boiler room within the rear southern portion. The front northern portion is used for customer retail operations and tailoring with the rear southern portion used for business operations utilizing shirt presses and ironing boards.

CNS observed five (5) twenty-gallon plastic chemical drums of Perchloroethene dry-cleaning solvents located outside the centrally located dry cleaning unit and three (3) ten-gallon plastic drums of spent Perchloroethene dry-cleaning solvents located in the southern portion near the rear entrance. In addition, CNS observed multiple types of one (1) gallon containers of degreasers and stain removal chemicals throughout the Subject Site. It needs to be noted that a faint laundry-related odor was identified throughout the Subject Site, due to the active dry-cleaning operations. See Appendix A: Site Photographs.

Air quality monitoring was conducted utilizing a RAE Systems Photo Ionization Detector (PID) real-time continuous data logger, which monitors for VOCs, and ranged from ranged from 0.00 to 36.5 parts per million (ppm) throughout the Subject Site. Following the pre-survey inspection, locations were selected for the collection of samples as shown within Figure II: Investigation Site Plan and summarized in the table below:

Sample ID	Type	Location
SS-01A	Sub-slab Soil Vapor	Northern Portion of Site Building near main entrance
IA-02A	Indoor Ambient Air	
SS-03A	Sub-slab Soil Vapor	Southern Portion of Site Building near rear entrance adjacent to the boiler room
IA-04A	Indoor Ambient Air	
OA-05A	Outdoor Ambient Air	Upwind Location at Exterior of Subject Site

- Outdoor Ambient Air: The outdoor ambient air sample was collected from an upwind location outside the rear of the Subject Site, at a height of approximately 4-feet above the ground to represent breathing zones.

- Indoor Air: The indoor air samples were collected near the installed soil vapor probes at a height of approximately 4-feet above the floor to represent a height at which occupants are normally seated.

- Sub-Slab Soil Vapor: Sub-slab soil vapor implants were installed on the northern and southern portions of the site building, where a temporary stainless-steel implant was installed at approximately 12-inches below the concrete slab, fitted with inert tubing, with a porous, inert material added to cover the probe tips with the implants ultimately sealed with a non-VOC and non-shrinking material. Shortly following the implant installations, one to three implant volumes were purged prior to the collection of the samples.

The samples were calibrated and collected at a flow rate of 0.2 liters per minute over an 8-hour sampling period at the above identified sampling locations with a tracer gas used during the collection of samples to verify that adequate sampling techniques were being utilized. Air quality monitoring was conducted during the collection of air samples utilizing a RAE Systems PID, which ranged from 0.00 to 36.5 ppm throughout the duration of sampling. Immediately following the sample collection, the six-liter Summa canister valves were tightened, and the flow controllers were removed.

The collected samples were placed in laboratory-supplied packaging accompanied by chain-of-custody documentation and delivered via courier to Phoenix Environmental Laboratories, Inc (NY ELAP #11301) located at 578 East Middle Turnpike in Manchester, CT 06040. The samples were collected in accordance with *the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (10/2006) and the USEPA Office of Solid Waste and Emergency Response (OSWER) *Publication 9200.2-154: Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air (June 2015)* and analyzed for VOCs in accordance with US EPA Method TO-15. See Appendix D: Laboratory Analytical Data Sheets – Soil Vapor, Indoor Air and Outdoor Air.

5.0 ANALYTICAL RESULT INTERPRETATION

5.1. Groundwater Analytical Interpretation

As noted herein, CNS installed and sampled the additional three (3) permanent monitoring wells at the Subject Site and sampled the three (3) existing monitoring wells. The collected groundwater samples were compared against the *NYSDEC TOGS 1.1.1 Class GA Groundwater Standards* ("NYSDEC Groundwater Standards"). See Appendix C: Laboratory Analytical Data Sheets – Groundwater.

As indicated within Table 1 on the following page, groundwater analytical results reported all VOC constituents below the NYSDEC GW Standards, with exception to monitoring well MW-1 located immediately south/downgradient of the Subject Site where *cis-1,2-Dichloroethene (cDCE)* was identified at 27 ppb which exceeded its NYSDEC GW Standard of 5 ppb and *Vinyl Chloride (VC)* was identified at 36 ppb which exceeded its NYSDEC GW Standard of 2 ppb.

It should also be noted that Acetone was reported at 53 ppb in monitoring well MW-6, exceeding its associated NYSDEC GW Standard of 50 ppb. Due to the fact that Acetone is a known laboratory artifact/contaminant, coupled with the analytical results of the five remaining monitoring wells; it is CNS's opinion that this Acetone level should not be considered representative of site conditions and is unlikely to represent an environmental concern.

Table 1: Groundwater Sample Analytical Results Summary

Sample ID: **Depth(s) of Sample:** **Sampling Date:** **Medium:**		**MW1-GW3A** **8-12' bgs** **2/25/2020** **Groundwater**	**MW2-GW6A** **8-12' bgs** **2/29/2020** **Groundwater**	**MW3-GW2A** **8-12' bgs** **2/25/2020** **Groundwater**	**MW4-GW5A** **8-12' bgs** **2/29/2020** **Groundwater**	**MW5-GW4A** **8-12' bgs** **2/25/2020** **Groundwater**	**MW6-GW1A** **8-12' bgs** **2/25/2020** **Groundwater**	**TOGS 1.1.1 GW Standards and Guidance Values**
Volatiles Organic Compounds								
1,2,4-Trimethylbenzene	ppb	**4.2**	ND	ND	ND	ND	ND	5
1,3,5-Trimethylbenzene	ppb	**1.5**	ND	ND	ND	ND	ND	5
4-Methyl-2-pentanone	ppb	**5.2**	ND	ND	ND	ND	ND	N/A
Acetone	ppb	ND	ND	ND	ND	ND	**53***	50
cis-1,2-Dichloroethene	ppb	**27**	ND	ND	ND	ND	ND	5
Isopropylbenzene	ppb	**2.5**	ND	ND	ND	ND	ND	5
Methyl ethyl ketone	ppb	ND	ND	**5.5**	ND	ND	**12**	50
Methyl t-butyl ether (MTBE)	ppb	**6.3**	**2.1**	ND	ND	ND	ND	N/A
Naphthalene	ppb	**1.3**	ND	ND	**1.1**	ND	ND	10
p-Isopropyltoluene	ppb	**2**	ND	ND	ND	ND	ND	5
Toluene	ppb	**1.6**	ND	ND	ND	ND	ND	5
Vinyl chloride	ppb	**36**	ND	ND	ND	ND	ND	2

All results are presented in parts per billion (ppb) unless otherwise noted
Results in **BOLD** were detected above the Laboratory's Minimum Detection Limit, but below all applicable regulatory guidance values
Results in **BOLD RED** exceed the NYSDEC TOGS 1.1.1 GW Standards and Guidance Values
* = Laboratory Contaminant. Not considered representative of Site Conditions.
N/A = No Regulatory Standard Available
TOGS 1.1.1 GW Standards and Guidance Values = Division of Water Technical and Operational Guidance Series (1.1.1), Table 1: Ambient Water Quality Standards and Guidance Values, Class GA (6/1998)

5.2. Soil Vapor Intrusion Analytical Interpretation

As indicated herein, CNS performed a Soil Vapor Intrusion Investigation at the Subject Site on February 25th, 2020.

5.2.1. Outdoor Ambient Air

The outdoor ambient air sample was collected to characterize site-specific background outdoor air conditions at the time of the investigation, as well as to evaluate potential influences or interferences associated with the infiltration of outdoor air; and was therefore used for comparison purposes to both the indoor air and soil vapor samples. Outdoor air sample analytical results identified several VOC constituents detected above the laboratory's method detection limit (MDL) and were therefore taken into consideration during the evaluation of the additionally collected samples. These background constituents detected at low levels consisted of:

- Acetone (5.48 µg/m3)
- Carbon Tetrachloride (0.43 µg/m^3)
- Chloromethane (1.02 µg/m^3)
- Dichlorodifluoromethane (1.85 µg/m^3)
- Ethanol (9.19 µg/m^3)
- Isopropylalcohol (1.11 µg/m^3)
- Methylene Chloride (5.76 µg/m^3)
- Tetrachloroethene (2.86 µg/m^3)
- Toluene (1.67 µg/m^3)
- Trichlorofluoromethane (1.18 µg/m^3)

µg/m^3 = micrograms per cubic meter

5.2.2. Indoor Air

The indoor air sample analytical results were initially compared against the site-specific outdoor ambient air samples collected by CNS, where several similar VOC constituent levels were identified. Constituents that were identified within the indoor air that were not found within the background outdoor ambient sample consisted of Benzene, cis-1,2-Dichloroethene (c-DCE), Ethyl Acetate, m,p-Xylene, Propylene and Trichloroethene , respectively. *It should be noted that Tetrachloroethene was identified within both outdoor ambient air samples and indoor air samples, however, the levels encountered in the indoor air samples are significantly higher.*

The indoor air analytical results were subsequently compared against the established NYSDOH Air Guideline Values, the minimum indoor air concentrations reflected within the NYSDOH Soil Vapor/Indoor Air Decision Matrices (revised May 2017); and the USEPA's June 2017 Regional Screening Levels (RSLs) for Indoor Air calculated through the EPA-OLEM Vapor Intrusion Assessment's Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.2 (last updated 1/4/2018). The RSLs were calculated utilizing a Commercial Exposure Scenario with a Target Risk for Carcinogens or 1.00E-05 and a Target Hazard Quotient for Non-Carcinogens of 1, with an average Groundwater Temperature of 25° C.

As indicated within Table 2 on the following page, VOC constituents with established NYSDOH Air Guideline Values were reported below their respective guideline values; with exception to *Tetrachloroethene (PCE)* and *Trichloroethene (TCE)* which were reported above their Air Guideline Values of 30 µg/m^3 and 2 µg/m^3, respectively; as well as above their Immediate Action Levels of 300 µg/m^3 and 20 µg/m^3, respectively;

The VOC constituents included within the NYSDOH Decision Matrices were likewise reported at levels below their respective minimum indoor air concentration values; with exception to *Carbon Tetrachloride, c-DCE, PCE* and *TCE* which exceeded their respective NYSDOH Minimum Decision Matrix Indoor Air

Concentration values. It should be noted that Carbon Tetrachloride was identified within the outdoor ambient air sample at a near identical levels and is not likely to represent an environmental concern. When comparing the indoor air results to the USEPA Target Indoor Air Concentrations; all constituents were below their respective target concentrations, with exception to PCE and TCE. See Appendix D: Laboratory Analytical Data Sheets – Soil Vapor, Indoor Air and Outdoor Air.

Table 2: Indoor Air Sample Analytical Results Summary

Sample ID: Depth/Height of Sample: Sampling Date: Medium:		IA-02A ~ 4' above grade 2/25/2020 Indoor Air	IA-04A ~ 4' above grade 2/25/2020 Indoor Air	NYSDOH Established Air Guidelines	NYSDOH Minimum Indoor Air Matrix Value	USEPA Target Indoor Air Concentration
Volatiles Organic Compounds						
1,1,1-Trichloroethane	µg/m^3	ND	ND	N/A	3 (Matrix B)	22,000
1,1-Dichloroethane	µg/m^3	ND	ND	N/A	N/A	77
1,1-Dichloroethene	µg/m^3	ND	ND	N/A	0.2 (Matrix A)	880
1,2,4-Trimethylbenzene	µg/m^3	ND	ND	N/A	N/A	260
4-Ethyltoluene	µg/m^3	ND	ND	N/A	N/A	N/A
4-Methyl-2-pentanone(MIBK)	µg/m^3	ND	ND	N/A	N/A	13,000
Acetone	µg/m^3	**10.4**	**7.36**	N/A	N/A	140,000
Benzene	µg/m^3	**1.33**	**1.16**	N/A	N/A	16
Carbon Disulfide	µg/m^3	ND	ND	N/A	N/A	3,100
Carbon Tetrachloride	µg/m^3	**0.41**	**0.43**	N/A	0.2 (Matrix A)	20
Chloroform	µg/m^3	ND	ND	N/A	N/A	5.3
Chloromethane	µg/m^3	**1.19**	**1.13**	N/A	N/A	390
Cis-1,2-Dichloroethene	µg/m^3	**0.46**	**0.43**	N/A	0.2 (Matrix A)	No Inhalation Toxicity Info
Dichlorodifluoromethane	µg/m^3	**1.77**	**1.76**	N/A	N/A	440
Ethanol	µg/m^3	**71.4**	**49.1**	N/A	N/A	N/A
Ethyl acetate	µg/m^3	**1.1**	ND	N/A	N/A	310
Isopropylalcohol	µg/m^3	**8.35**	**3.27**	N/A	N/A	N/A
Isopropylbenzene	µg/m^3	ND	ND	N/A	N/A	N/A
m,p-Xylene	µg/m^3	**1.47**	ND	N/A	N/A	440
Methyl Ethyl Ketone	µg/m^3	ND	ND	N/A	N/A	22,000
Methylene Chloride	µg/m^3	ND	ND	60	3 (Matrix B)	2,600
Propylene	µg/m^3	**2.39**	ND	N/A	N/A	13,000
Tetrachloroethene	µg/m^3	**3,200**	**929**	30 (1) / 300 (2)	3 (Matrix B)	180
Toluene	µg/m^3	**3.49**	**2.63**	N/A	N/A	22,000
Trichloroethene	µg/m^3	**131**	**26.9**	2 (3) / 20 (4)	0.2 (Matrix A)	8.8
Trichlorofluoromethane	µg/m^3	**1.08**	**1.12**	N/A	N/A	No Inhalation Toxicity Info

NOTES:

All results are presented in micrograms per cubic meter (µg/m^3)

0.00 Results detected above the Laboratory's Minimum Detection Limit, but below all applicable regulatory guidance values

0.00 Results exceed the USEPA Target Concentrations

0.00 Results exceed the NYSDOH Minimum Matrix Concentrations

0.00 Results exceed NYSDOH Air Guideline Values

N/A = No Regulatory Standard Available

No Inhalation Toxicity Data = Inhalation Unit Risk and/or Inhalation Reference Concentration data does not exist; no correspondening screening level .

NYSDOH Minimum Decision Matrix Values = NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) : Soil Vapor/Indoor Air Matrix A, B and C Minimum Concentrations (updated May 2017)

USEPA Target Indoor Air Concentration = EPA-OLEM Vapor Intrusion Assessment, Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (June 2017 Regional Screening Levels): Commercial Exposure Scenario, Target Indoor Air Concentration @ a Target Risk for Carcinogens of 1.00E-05, a Target Hazard Quotient for Non-Carcinogens of 1, and an average Groundwater Temperature of 25° C

NYSDOH Air Guideline Values = NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) : Table 3.1 Air Guideline Values derived by NYSDOH

(1) New Guideline effective 9/2013 (NYSDOH Soil Vapor Intrusion Updates)
(2) Immediate Action Level effective 9/2013 (NYSDOH Soil Vapor Intrusion Updates)
(3) New Guideline effective 8/2015 (NYSDOH Soil Vapor Intrusion Updates)
(4) Immediate Action Level effective 8/2015 (NYSDOH Soil Vapor Intrusion Updates)

5.2.3. Sub-slab Soil Vapor

Since the State of New York does not have any standards, criteria or guidance values for concentrations of VOCs in subsurface vapors, the sub-slab soil vapor samples were compared to the minimum sub-slab concentrations reflected within the NYSDOH Soil Vapor/Indoor Air Decision Matrices (revised May 2017); and the USEPA's June 2017 Regional Screening Levels (RSLs) for Target Sub-slab and Exterior Soil Gas calculated through the EPA-OLEM Vapor Intrusion Assessment's Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.2 (last updated 1/4/2018). The RSLs were calculated utilizing a Commercial Exposure Scenario with a Target Risk for Carcinogens or 1.00E-05 and a Target Hazard Quotient for Non-Carcinogens of 1, with an average Groundwater Temperature of 25° C.

As indicated within Table 3 on the following page, sub-slab soil vapor sample analytical results did not identify any VOC constituents exceeding the NYSDOH Minimum Decision Matrix Concentrations or USEPA Target Soil Gas Concentrations, with exception to *c-DCE, PCE* and *TCE* within sub-slab sample SS-03A located within the southern portion of the site building near the rear entrance adjacent to the boiler room.

- *c-DCE* was identified at 229 µg/m^3 within sample SS-03A, exceeding its NYSDOH Minimum Decision Matrix Concentration of 6 µg/m^3; however, this constituent does not currently have a USEPA Soil Gas Value. c-DCE was reported at non-detectable levels within sample SS-01A.

- *PCE* was identified at 969 µg/m^3 within sample SS-03A, exceeding its NYSDOH Minimum Decision Matrix Concentration of 100 µg/m^3, but below its associated USEPA Soil Gas Value. PCE was reported at 11 µg/m^3 within sample SS-01A, below its NYSDOH and USEPA values.

- *TCE* was identified at 141 µg/m^3 within sample SS-03A, exceeding its NYSDOH Minimum Decision Matrix Concentration, but below its associated USEPA Soil Gas Value. TCE was reported at 0.38 µg/m^3 within sample SS-01A, below its NYSDOH and USEPA values.

See Appendix D: Laboratory Analytical Data Sheets – Soil Vapor, Indoor Air and Outdoor Air.

Table 3: Sub-Slab Soil Vapor Sample Analytical Results Summary

Sample ID: Depth/Height of Sample: Sampling Date: Medium:		SS-01A 12" below slab 2/25/2020 Sub-Slab	SS-03A 12" below slab 2/25/2020 Sub-Slab	NYSDOH Minimum Sub-Slab Matrix Value	USEPA Target Sub-Slab/Exterior Soil Gas Concentration
Volatiles Organic Compounds					
1,1,1-Trichloroethane	µg/m^3	ND	**1.42**	100 (Matrix B)	730,000
1,1-Dichloroethane	µg/m^3	ND	**1.28**	N/A	2,600
1,1-Dichloroethene	µg/m^3	ND	**0.25**	6 (Matrix A)	29,000
1,2,4-Trimethylbenzene	µg/m^3	**1.14**	**3.38**	N/A	8,800
4-Ethyltoluene	µg/m^3	ND	**1.41**	N/A	N/A
4-Methyl-2-pentanone(MIBK)	µg/m^3	**3.41**	ND	N/A	440,000
Acetone	µg/m^3	**38**	**1.51**	N/A	4,500,000
Benzene	µg/m^3	ND	ND	N/A	520
Carbon Disulfide	µg/m^3	ND	**2.58**	N/A	100,000
Carbon Tetrachloride	µg/m^3	**0.46**	**0.44**	6 (Matrix A)	680
Chloroform	µg/m^3	ND	**3.43**	N/A	180
Chloromethane	µg/m^3	ND	ND	N/A	13,000
Cis-1,2-Dichloroethene	µg/m^3	ND	**229**	6 (Matrix A)	No Inhalation Toxicity Info
Dichlorodifluoromethane	µg/m^3	**2.22**	**2.18**	N/A	15,000
Ethanol	µg/m^3	**9.26**	**1.71**	N/A	N/A
Ethyl acetate	µg/m^3	ND	ND	N/A	10,000
Isopropylalcohol	µg/m^3	**3.12**	ND	N/A	N/A
Isopropylbenzene	µg/m^3	**17.8**	**1.87**	N/A	N/A
m,p-Xylene	µg/m^3	**1.84**	**1.08**	N/A	15,000
Methyl Ethyl Ketone	µg/m^3	**5.31**	ND	N/A	730,000
Methylene Chloride	µg/m^3	ND	ND	100 (Matrix B)	88,000
Propylene	µg/m^3	ND	ND	N/A	440,000
Tetrachloroethene	µg/m^3	**11**	**969**	100 (Matrix B)	5,800
Toluene	µg/m^3	**4.9**	ND	N/A	730,000
Trichloroethene	µg/m^3	**0.38**	**141**	6 (Matrix A)	290
Trichlorofluoromethane	µg/m^3	**1.31**	**1.48**	N/A	No Inhalation Toxicity Info

NOTES:

All results are presented in micrograms per cubic meter (µg/m^3)

0.00 Results detected above the Laboratory's Minimum Detection Limit, but below all applicable regulatory guidance values

0.00 Results exceed the USEPA Target Concentrations

0.00 Results exceed the NYSDOH Minimum Matrix Concentrations

N/A = No Regulatory Standard Available

No Inhalation Toxicity Data = Inhalation Unit Risk and/or Inhalation Reference Concentration data does not exist; no correspondening screening level .

NYSDOH Minimum Decision Matrix Values = NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) : Soil Vapor/Indoor Air Matrix A, B and C Minimum Concentrations (updated May 2017)

USEPA Target Sub-Slab & Exterior Soil Gas Concentration = EPA-OLEM Vapor Intrusion Assessment, Vapor Intrusion Screening Level (VISL) Calculator Version 3.5.1 (June 2017 Regional Screening Levels): Commercial Exposure Scenario, Target Sub-slab and Exterior Soil Gas Concentration @ a Target Risk for Carcinogens of 1E-05, a Target Hazard Quotient for Non-Carcinogens of 1, and an average Groundwater Temperature of 25° C

6.0 CONCLUSIONS AND RECOMMENDATIONS

As summarized herein, CNS completed a Supplemental Phase II Remedial Site Investigation at the Subject Site based upon the findings and recommendations of the *Phase II Subsurface Investigation* dated March 2016 and *the Interim Remedial Action Work Plan* dated April 2016 both compiled by CNS and bound under separate cover. The purpose of this Supplemental Phase II Remedial Site Investigation was to characterize the extent of the identified dry-cleaning related chlorinated solvent contamination and develop an appropriate remedial approach, if applicable.

On Monday, February 17th, 2020, CNS completed the soil and groundwater investigation at the Subject Site where a total of three (3) additional permanent groundwater monitoring wells were installed. The soils were screened continuously to the elected termination depth of 20-feet bgs which is 12-feet below the groundwater table within the confined clay layer, where PID readings remained at 0.0 ppm throughout each boring sleeve with no visual or olfactory evidence of impacts noted. Since no evidence of contamination was encountered, CNS did not collect soil samples and permanent monitoring wells were subsequently installed via auger.

On Tuesday, February 25th, 2020 and Saturday, February 29th, 2020 (prior to completing groundwater sampling), the three (3) existing monitoring wells (MW-1, MW-2 and MW-3) and the three (3) newly installed monitoring wells (MW-4, MW-5 and MW-6) were purged a minimum of three casing volumes with per-well dedicated tubing with groundwater quality measurements recorded. Samples were subsequently collected at the middle of the well screen and analyzed for VOCs. Groundwater analytical results reported all VOC constituents below the NYSDEC GW Standards, with exception to monitoring well MW-1 located immediately south/downgradient of the Subject Site where *cis-1,2-Dichloroethene (cDCE)* was identified at 27 ppb which exceeded its NYSDEC GW Standard of 5 ppb and *Vinyl Chloride (VC)* was identified at 36 ppb which exceeded its NYSDEC GW Standard of 2 ppb.

On Tuesday, February 25th, 2020, CNS completed a Soil Vapor Intrusion Investigation at the Subject Site where two (2) sub-slab soil vapor samples, two (2) indoor air samples and one (1) outdoor ambient air sample was collected. Multiple containers of dry-cleaning chemicals, degreasers and stain removers were identified throughout the Subject Site. Real-time air quality monitoring identified PID readings ranging from 0.00 to 36.5 prior to and during the sampling event, and a faint laundry-related odor was identified throughout the Subject Site due to the active dry-cleaning operations. As the Subject Site was operational at the time of the investigation; CNS completed the sampling event after the active dry-cleaning operations ceased for the day in order to minimize conditions that may interfere with the investigation.

Indoor Air analytical results identified *Tetrachloroethene (PCE)* and *Trichloroethene (TCE)* significantly above their respective NYSDOH Air Guideline Values and Immediate Action Levels within both samples IA-02A collected at the northern portion of the site building near the main entrance and IA-04A collected at the southern portion of the site building near the rear entrance; with *PCE, TCE, c-DCE* and *Carbon Tetrachloride* also being identified above their respective NYSDOH Minimum Decision Matrix Indoor Air Concentration values. Sub-slab Soil Vapor analytical results identified *c-DCE, PCE* and *TCE* exceeding their respective NYSDOH Minimum Decision Matrix Soil Vapor Concentrations within sub-slab sample SS-03A collected at the southern portion of the site building near rear entrance adjacent to the boiler room.

Based upon the identified VOC contaminants in the Indoor Air and Soil Vapor, CNS utilized the NYSDOH Soil Vapor/Indoor Air Decision Matrices A and B (May 2017) to determine the appropriate response for the VOC contaminants as indicated below:

Sub-slab Soil Vapor Sample SS-01A / Indoor Air Sample IA-02A Northern Portion of Site Building near Main Entrance				
NYSDOH Matrix	**VOC Contaminant**	**Sub-slab Concentration (µg/m^3)**	**Indoor Air Concentration (µg/m^3)**	**Recommended Action**
A	Carbon Tetrachloride	0.46	0.41	No Further Action
A	cis-1,2-Dichloroethene (cDCE)	ND	0.46	No Further Action
A	Trichloroethene (TCE)	0.38	131	***Identify Sources & Resample or Mitigate*** ***(Indoor Air Levels exceed the NYSDOH Immediate Action Air Guideline Value)***
B	Tetrachloroethene (PCE)	11	3,200	***Identify Sources & Resample or Mitigate*** ***(Indoor Air Levels exceed the NYSDOH Immediate Action Air Guideline Value)***

Sub-slab Soil Vapor Sample SS-03A / Indoor Air Sample IA-04A Southern Portion of Site Building near Rear Entrance (adjacent to Boiler Room)				
NYSDOH Matrix	**VOC Contaminant**	**Sub-slab Concentration (µg/m^3)**	**Indoor Air Concentration (µg/m^3)**	**Recommended Action**
A	Carbon Tetrachloride	0.44	0.43	No Further Action
A	cis-1,2-Dichloroethene (cDCE)	229	0.43	***Mitigate***
A	Trichloroethene (TCE)	141	26.9	***Mitigate***
B	Tetrachloroethene (PCE)	969	929	***Mitigate***

As shown in the above decision tables, the mitigation of *c-DCE*, *TCE* and *PCE* is recommended based on NYSDOH Guidance.

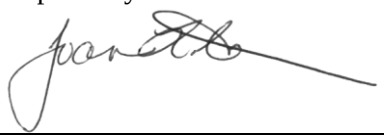
Based upon analytical results, which identified (i) a small isolated plume of low-level dry-cleaning chlorinated solvent contamination within the groundwater immediately downgradient of the Subject Site; and (ii) indoor air and soil vapor requiring mitigation, CNS recommends the following:

1. A focused soil investigation be completed within and behind the dry cleaner space to identify potential source areas;
2. A Soil Vapor Intrusion Investigation be completed within the abutting tenant spaces to determine the extent of soil vapor impacts;
3. The tenant needs to store its drummed Perchloroethene on pallets with spill kits within a well-ventilated enclosure to mitigate ambient indoor air impacts. Once this is complete, the indoor air should be re-tested to determine its efficiency;
4. A Sub-Slab Depressurization System needs to be designed and installed under NYSDOH and NYSDEC oversight as per NYSDEC regulations.

7.0 SIGNATURES

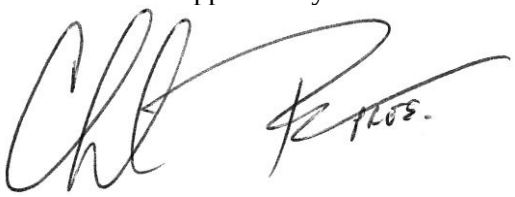
If you have any questions or require additional information regarding this project, please call (516) 932-3228.

Prepared by:



Joanna Licata
Environmental Scientist

Reviewed and Approved by:



Charles Powers
Principal

8.0 PROJECT LIMITATIONS

This report is written for the use of Pacesetter 202, LLC and their partners. No other party shall have any right to rely on this report or any service provided by CNS Environmental without prior written consent by Pacesetter 202, LLC and CNS Environmental.

The subsurface investigation was performed in accordance with professional standards applicable to the industry today. The results of this assessment and the contents of this report are subject to revision based on future events and/or investigations. CNS Environmental assumes no responsibility for the property owner's actions related to the following:

- Violation of any federal, state or local statute or ordinance relating to reporting, identification or disposal of a hazardous substance or its constituents;

- Undertaking of, or arrangement for the reporting, handling, removal, treatment, storage, transportation, or disposal of hazardous substances or constituents found or identified, and;

- Changed conditions or hazardous substances or constituents introduced at the properties by Client or third persons to this contract during or after the completion of services provided by this report.

Therefore, the findings, conclusions and recommendations presented herein are based solely on the aforementioned scope of work and information gathering. Incomplete or outstanding information identified throughout this report is considered a limitation to the assessment.

All findings, conclusions and recommendations stated in this report are based upon facts, circumstances and industry-accepted procedures for such services, as they existed at the time this report was prepared. All findings, conclusions and recommendations stated in this reports are based on the data and information provided and observations and conditions that existed on the date and timework was performed. Responses received from local, state, or federal agencies or other out-sourced or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions or circumstances to the report. A change in fact, circumstance or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions and recommendations expressed in this report and is considered a limitation.

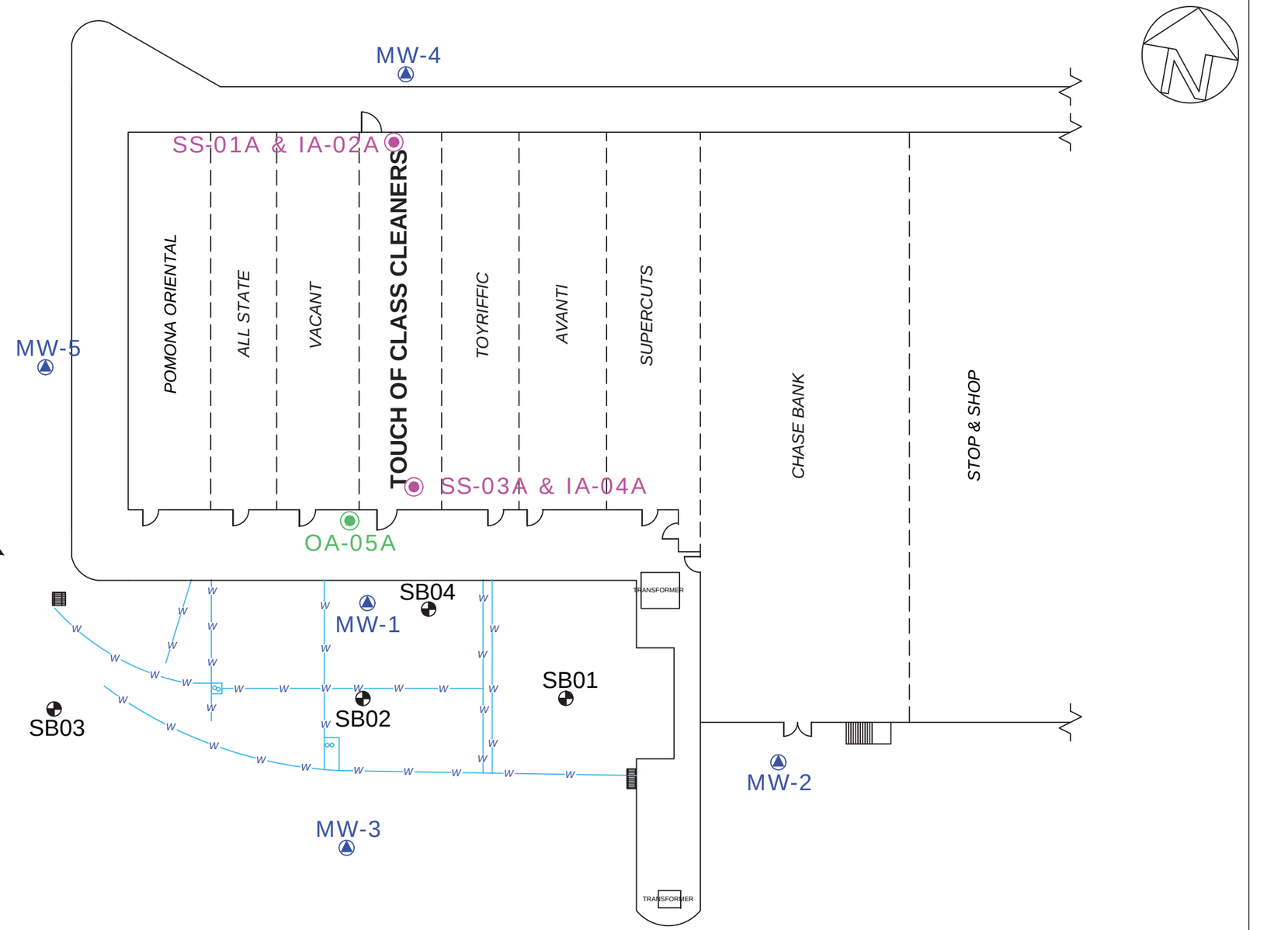
Figure I

Site Location Map


Figure I
Site Location Map
Legend
Subject Site: Touch of Class Cleaners
Google Earth
N
900 ft

Figure II

Investigation Site Plan



LEGEND:

▲	=	PERMANENT GROUNDWATER MONITORING WELL LOCATION
◓	=	FORMER SOIL BORING/TEMPORARY WELL LOCATION (2015)
◉	=	SUB-SLAB SOIL VAPOR SAMPLE AND ASSOCIATED INDOOR AIR SAMPLE LOCATION
●	=	OUTDOOR AMBIENT AIR/CONTROL SAMPLE LOCATION
W	=	APPROXIMATE LOCATION OF UNDERGROUND PRIVATE WATER UTILITY LINES

NOTES:

CNS ENVIRONMENTAL
A REAL ESTATE SERVICES COMPANY
208 NEWTOWN ROAD
PLAINVIEW, NY 11803

FIGURE II

INVESTIGATION SITE PLAN

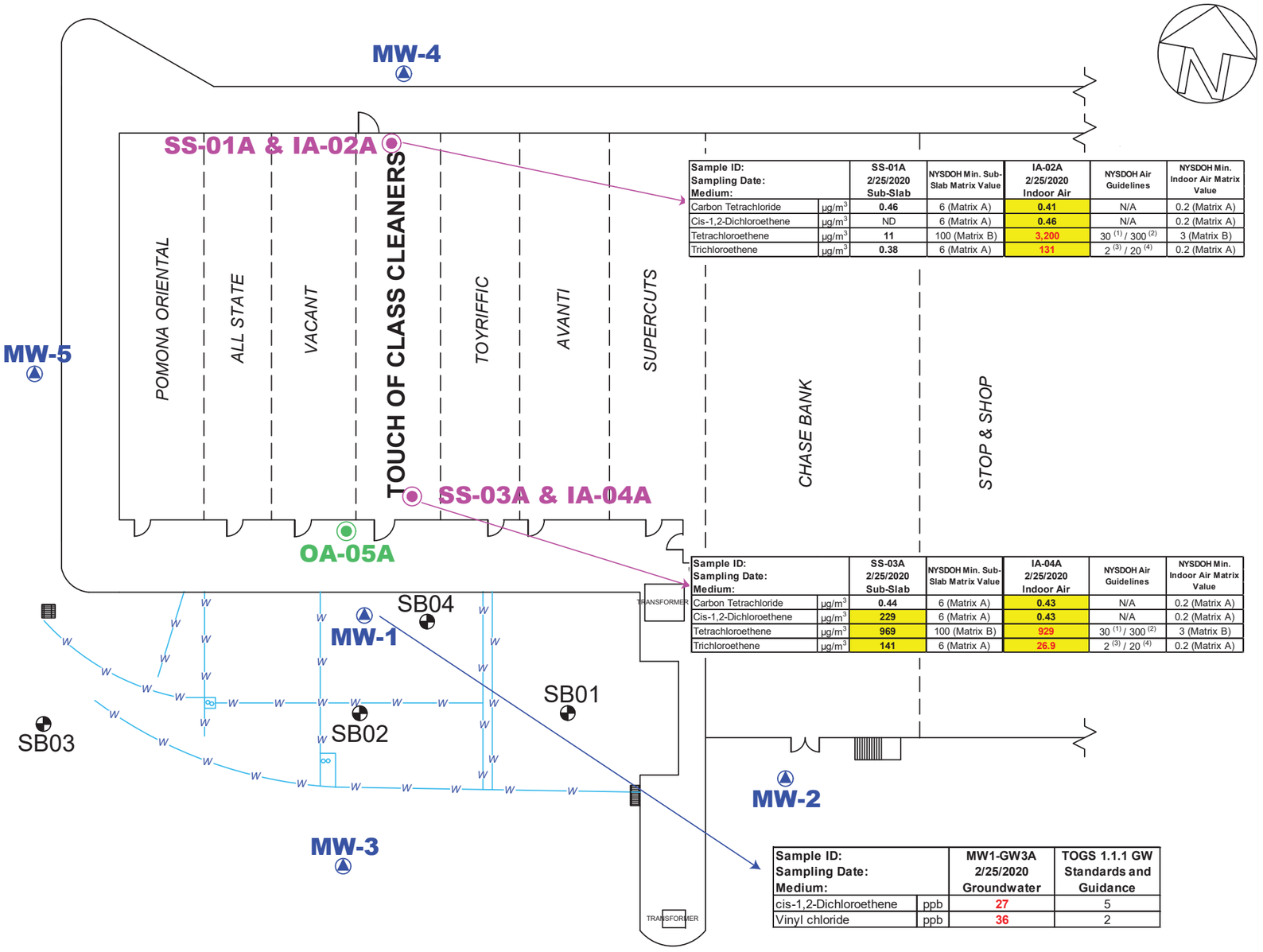
SCALE:	1" = 25'

PREPARED FOR:	PACESETTER 202, LLC 95 CHESTNUT RIDGE ROAD, MONTVALE, NJ 07645
SUBJECT SITE:	TOUCH OF CLASS CLEANERS AT PACESETTER PARK SHOPPING CENTER 1581 ROUTE 202 POMONA, NEW YORK

DATE:	FEBRUARY 2020		**CNS JOB #:**	E220-1161	
DWN BY:	JL	**CKD BY:**	CP	**APPRVD BY:**	CP

Figure III

Spider Diagram of Elevated Results



Sample ID: / Sampling Date: / Medium:		SS-01A 2/25/2020 Sub-Slab	NYSDOH Min. Sub-Slab Matrix Value	IA-02A 2/25/2020 Indoor Air	NYSDOH Air Guidelines	NYSDOH Min. Indoor Air Matrix Value
Carbon Tetrachloride	µg/m³	**0.46**	6 (Matrix A)	**0.41**	N/A	0.2 (Matrix A)
Cis-1,2-Dichloroethene	µg/m³	ND	6 (Matrix A)	**0.46**	N/A	0.2 (Matrix A)
Tetrachloroethene	µg/m³	**11**	100 (Matrix B)	**3,200**	30 (1) / 300 (2)	3 (Matrix B)
Trichloroethene	µg/m³	**0.38**	6 (Matrix A)	**131**	2 (3) / 20 (4)	0.2 (Matrix A)

Sample ID: / Sampling Date: / Medium:		SS-03A 2/25/2020 Sub-Slab	NYSDOH Min. Sub-Slab Matrix Value	IA-04A 2/25/2020 Indoor Air	NYSDOH Air Guidelines	NYSDOH Min. Indoor Air Matrix Value
Carbon Tetrachloride	µg/m³	**0.44**	6 (Matrix A)	**0.43**	N/A	0.2 (Matrix A)
Cis-1,2-Dichloroethene	µg/m³	**229**	6 (Matrix A)	**0.43**	N/A	0.2 (Matrix A)
Tetrachloroethene	µg/m³	**969**	100 (Matrix B)	**929**	30 (1) / 300 (2)	3 (Matrix B)
Trichloroethene	µg/m³	**141**	6 (Matrix A)	**26.9**	2 (3) / 20 (4)	0.2 (Matrix A)

Sample ID: / Sampling Date: / Medium:		MW1-GW3A 2/25/2020 Groundwater	TOGS 1.1.1 GW Standards and Guidance
cis-1,2-Dichloroethene	ppb	**27**	5
Vinyl chloride	ppb	**36**	2

LEGEND:

- = PERMANENT GROUNDWATER MONITORING WELL LOCATION
- = FORMER SOIL BORING/TEMPORARY WELL LOCATION (2015)
- = SUB-SLAB SOIL VAPOR SAMPLE AND ASSOCIATED INDOOR AIR SAMPLE LOCATION
- = OUTDOOR AMBIENT AIR/CONTROL SAMPLE LOCATION
- W = APPROXIMATE LOCATION OF UNDERGROUND PRIVATE WATER UTILITY LINES

NOTES:

Groundwater Results highlighted in **RED** exceed the NYSDEC TOGS Values

Sub-slab Soil Vapor Results highlighted in **YELLOW** exceed the NYSDOH Mininum Decision Matrix Values

Indoor Air Results highlighted in **YELLOW** exceed the NYSDOH Mininum Decision Matrix Values

Indoor Air Results highlighted in **RED** exceed the NYSDOH Air Guideline Values & Immediate Action Levels

(1) = New Air Guideline Value effective 9/2013
(2) = New Immediate Action Level effective 9/2013
(3) = New Air Guideline Value effectove 8/2015
(4) = New Immediate Action Level effective 8/2015

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A REAL ESTATE SERVICES COMPANY
208 NEWTOWN ROAD
PLAINVIEW, NY 11803

FIGURE III

SPIDER DIAGRAM OF ELEVATED RESULTS

SCALE:	1" = 25'
PREPARED FOR:	PACESETTER 202, LLC 95 CHESTNUT RIDGE ROAD, MONTVALE, NJ 07645
SUBJECT SITE:	TOUCH OF CLASS CLEANERS AT PACESETTER PARK SHOPPING CENTER 1581 ROUTE 202 POMONA, NEW YORK
DATE:	FEBRUARY 2020
CNS JOB #:	E220-1161
DWN BY:	JL
CKD BY:	CP
APPRVD BY:	CP

Appendix A

Site Photographs

Photograph # 1

Subject Site – Main Entrance
Touch of Class Cleaners
1581 US Route 202, Pomona, NY

Photograph # 2

Subject Site – Rear Service Entrance
Touch of Class Cleaners
1581 US Route 202, Pomona, NY

Photograph # 3

GPR Survey at MW-4

Photograph # 4

GPR Survey at MW-3 and MW-6

Photograph # 5

GPR Survey at MW 3 and MW-6

Photograph # 6

MW-4 Installation

Photograph # 7

MW-5 Installation

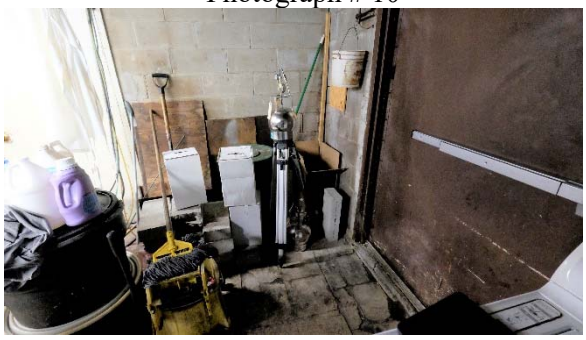
Photograph # 8

MW-6 Installation

Photograph # 9

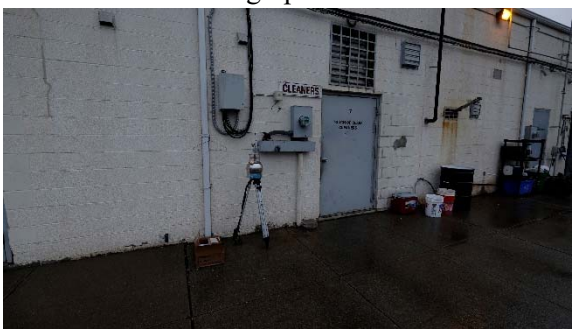
Soil Vapor Investigation
Samples SS-01A and IA-02A

Photograph # 10



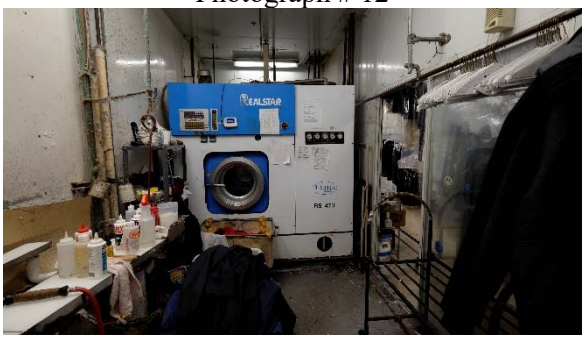
Soil Vapor Investigation
Samples SS-03A and IA-04A

Photograph # 11



Soil Vapor Investigation
Sample OA-05A

Photograph # 12



PERC Dry Cleaning Machine – Realstar RS-473
Centrally Located within the Subject Site

Photograph # 13

PERC Dry Cleaning Machine–Realstar RS-473 Centrally Located within the Subject Site

Photograph # 14

Finished Clothing Storage

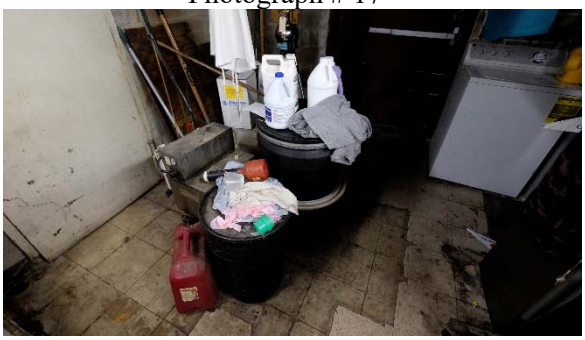
Photograph # 15

Finished Clothing Storage

Photograph # 16

Full Perchloroethene dry-cleaning solvent drums stored outside the Dry-Cleaning Plant

Photograph # 17

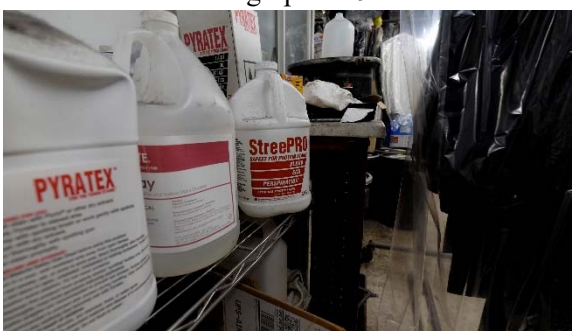


Empty Perchloroethene dry-cleaning solvent drums stored outside of the Rear (South) Boiler Room

Photograph # 18

Degreasers and Stain Removal Chemicals identified throughout the Subject Site

Photograph # 19



Degreasers and Stain Removal Chemicals identified throughout the Subject Site

Photograph # 20

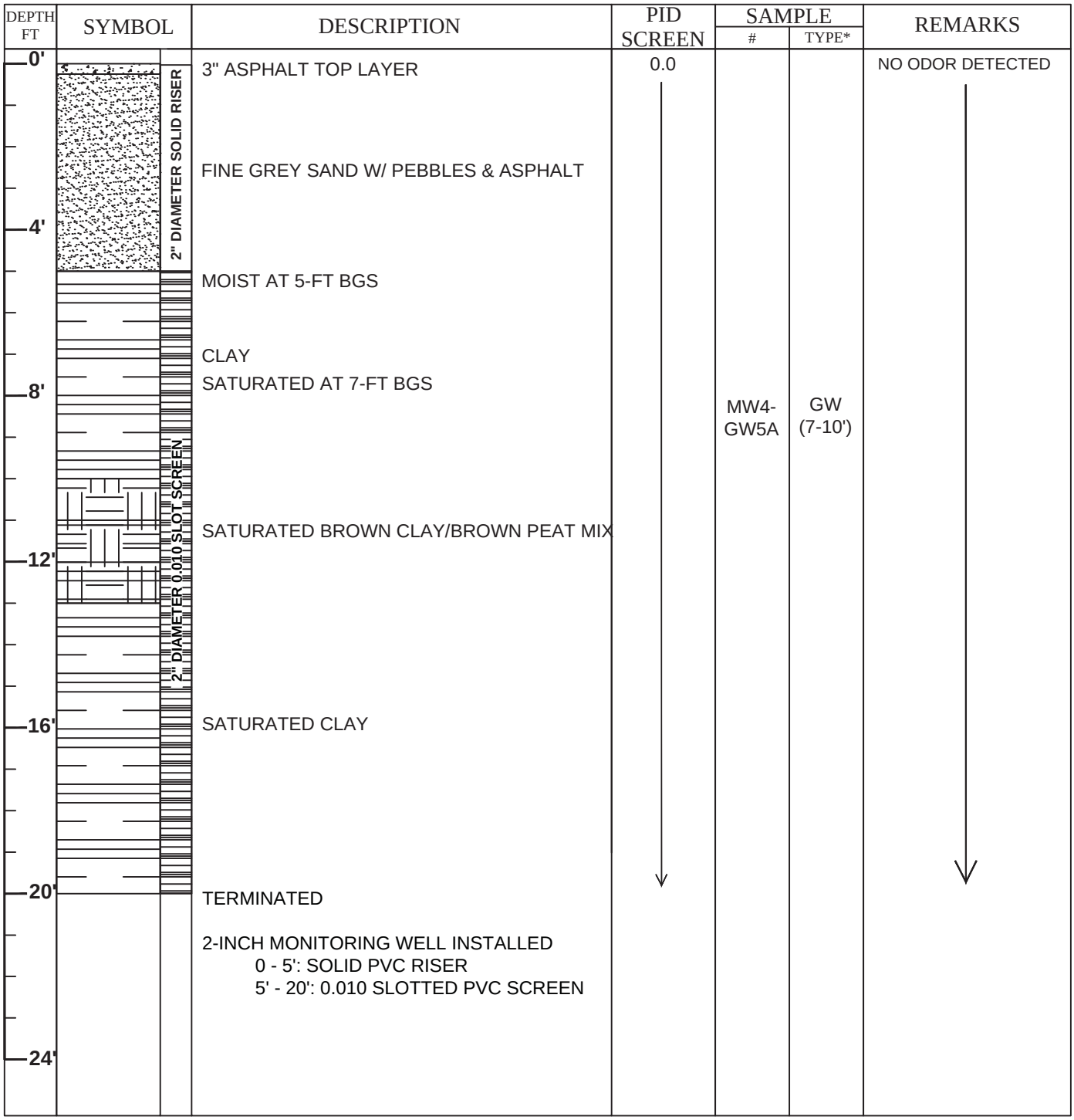
Degreasers and Stain Removal Chemicals identified throughout the Subject Site

Appendix B

Monitoring Well Construction Logs

MONITORING WELL MW-4

~12-FEET NORTH/UPGRADIENT OF SUBJECT SITE

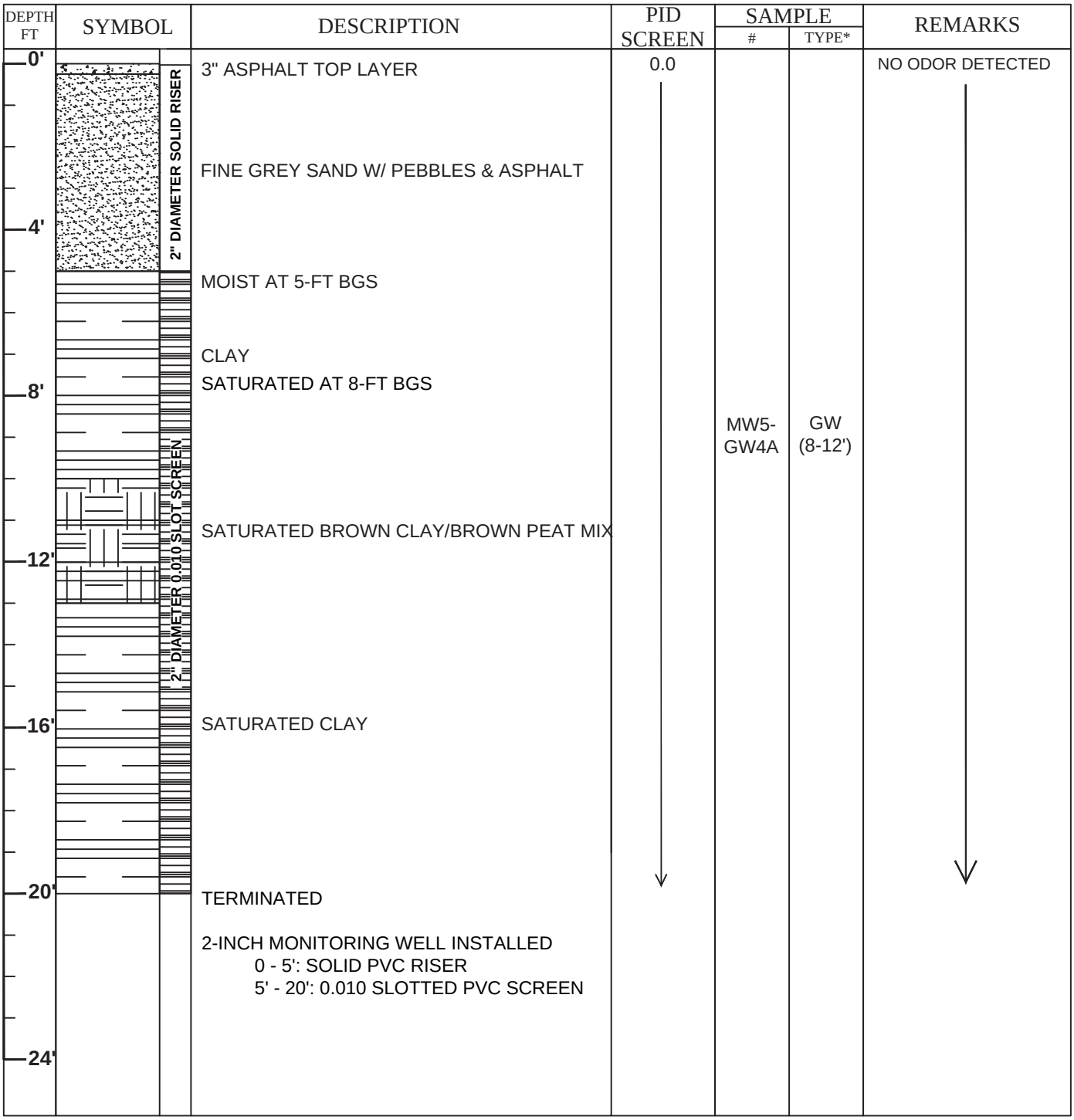


* CS = COMPOSITE SOIL SAMPLE
GS - GRAB SOIL SAMPLE
GW = GROUNDWATER SAMPLE

CNS ENVIRONMENTAL A REAL ESTATE SERVICES COMPANY 208 Newtown Road Plainview, New York 11803	**SUBJECT SITE:**	1581 US ROUTE 202, POMONA, NY 10970		
	CLIENT:	PACESETTER 202, LLC 95 CHESTNUT RIDGE RD., MONTVALE, NJ 07645		
	DATE:	FEBRUARY 17, 2020	**SAMPLING METHOD:**	GEOPROBE: DIRECT PUSH/AUGER
CNS JOB #:				
E220-1161	**DRILLING CONTRACTOR:**	PAL ENVIRONMENTAL		

MONITORING WELL MW-5

~51-FEET WEST/CROSSGRADIENT OF SUBJECT SITE

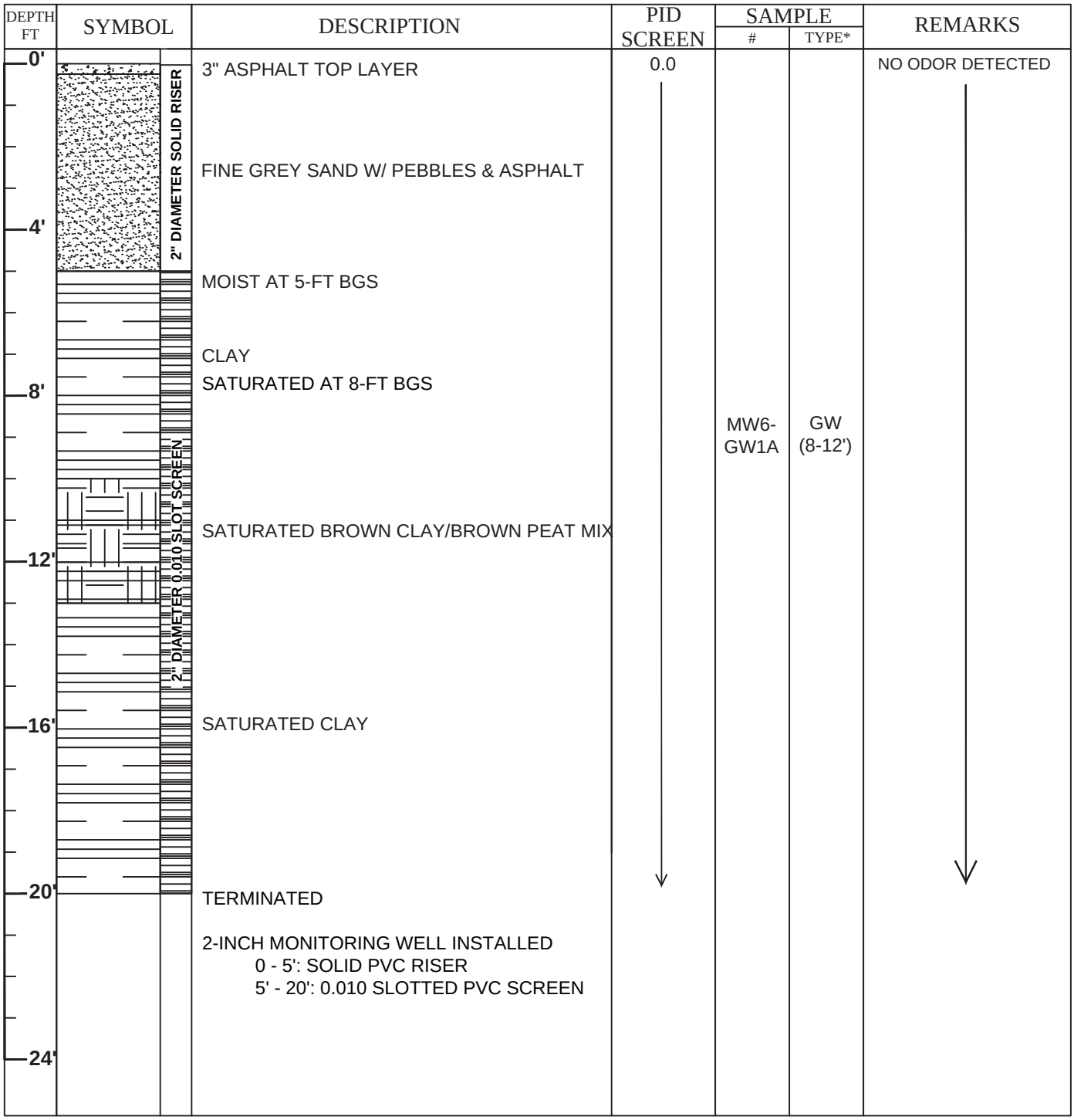


* CS = COMPOSITE SOIL SAMPLE
GS - GRAB SOIL SAMPLE
GW = GROUNDWATER SAMPLE

CNS ENVIRONMENTAL A REAL ESTATE SERVICES COMPANY 208 Newtown Road Plainview, New York 11803	**SUBJECT SITE:**	1581 US ROUTE 202, POMONA, NY 10970		
	CLIENT:	PACESETTER 202, LLC 95 CHESTNUT RIDGE RD., MONTVALE, NJ 07645		
	DATE:	FEBRUARY 17, 2020	**SAMPLING METHOD:**	GEOPROBE: DIRECT PUSH/AUGER
CNS JOB #:				
E220-1161	**DRILLING CONTRACTOR:**	PAL ENVIRONMENTAL		

MONITORING WELL MW-6

~117-FEET SOUTH/DOWNGRADIENT OF SUBJECT SITE



* CS = COMPOSITE SOIL SAMPLE
GS - GRAB SOIL SAMPLE
GW = GROUNDWATER SAMPLE

CNS ENVIRONMENTAL A REAL ESTATE SERVICES COMPANY 208 Newtown Road Plainview, New York 11803	**SUBJECT SITE:**	1581 US ROUTE 202, POMONA, NY 10970		
	CLIENT:	PACESETTER 202, LLC 95 CHESTNUT RIDGE RD., MONTVALE, NJ 07645		
	DATE:	FEBRUARY 17, 2020	**SAMPLING METHOD:**	GEOPROBE: DIRECT PUSH/AUGER
CNS JOB #:				
E220-1161	**DRILLING CONTRACTOR:**	PAL ENVIRONMENTAL		

Appendix C

Laboratory Analytical Data Sheets – Groundwater

PHOENIX
Environmental Laboratories, Inc.

Monday, March 02, 2020

Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Project ID: E220-1161
SDG ID: GCF38713
Sample ID#s: CF38713 - CF38716

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.

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.

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
UT Lab Registration #CT00007
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

NY # 11301

SDG Comments

March 02, 2020

SDG I.D.: GCF38713

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

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NY # 11301

Sample Id Cross Reference

March 02, 2020

SDG I.D.: GCF38713

Project ID: E220-1161

Client Id	Lab Id	Matrix
MW6-GW1A	CF38713	GROUND WATER
MW3-GW2A	CF38714	GROUND WATER
MW1-GW3A	CF38715	GROUND WATER
MW5-GW4A	CF38716	GROUND WATER

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

March 02, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	CP	02/25/20	14:42
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF38713
Phoenix ID: CF38713

Project ID: E220-1161
Client ID: MW6-GW1A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	

Project ID: E220-1161
Client ID: MW6-GW1A

Phoenix I.D.: CF38713

Parameter	Result		RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	53	S	50	ug/L	5	02/28/20	MH	SW8260C	
Acrylonitrile	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Benzene	ND		0.70	ug/L	1	02/27/20	MH	SW8260C	
Bromobenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromochloromethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromodichloromethane	ND		0.50	ug/L	1	02/27/20	MH	SW8260C	
Bromoform	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromomethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon Disulfide	ND		5.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon tetrachloride	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Chlorobenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroform	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloromethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,2-Dichloroethene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND		0.40	ug/L	1	02/27/20	MH	SW8260C	
Dibromochloromethane	ND		0.50	ug/L	1	02/27/20	MH	SW8260C	
Dibromomethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Dichlorodifluoromethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Ethylbenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Hexachlorobutadiene	ND		0.40	ug/L	1	02/27/20	MH	SW8260C	
Isopropylbenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
m&p-Xylene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl ethyl ketone	12		5.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Methylene chloride	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Naphthalene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Butylbenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Propylbenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
o-Xylene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
p-Isopropyltoluene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
sec-Butylbenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Styrene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
tert-Butylbenzene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrachloroethene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND		2.5	ug/L	1	02/27/20	MH	SW8260C	1
Toluene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Total Xylenes	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND		0.40	ug/L	1	02/27/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND		5.0	ug/L	1	02/27/20	MH	SW8260C	
Trichloroethene	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorofluoromethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorotrifluoroethane	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
Vinyl chloride	ND		1.0	ug/L	1	02/27/20	MH	SW8260C	
QA/QC Surrogates									
% 1,2-dichlorobenzene-d4	98			%	1	02/27/20	MH	70 - 130 %	
% Bromofluorobenzene	94			%	1	02/27/20	MH	70 - 130 %	
% Dibromofluoromethane	95			%	1	02/27/20	MH	70 - 130 %	

Ver 1

Project ID: E220-1161
Client ID: MW6-GW1A

Phoenix I.D.: CF38713

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95		%	1	02/27/20	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	99		%	5	02/28/20	MH	70 - 130 %
% Bromofluorobenzene (5x)	93		%	5	02/28/20	MH	70 - 130 %
% Dibromofluoromethane (5x)	95		%	5	02/28/20	MH	70 - 130 %
% Toluene-d8 (5x)	96		%	5	02/28/20	MH	70 - 130 %

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

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.
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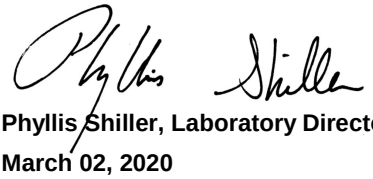


Phyllis Shiller, Laboratory Director

March 02, 2020

Reviewed and Released by: Rashmi 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

Analysis Report

March 02, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	CP	02/25/20	16:00
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF38713
Phoenix ID: CF38714

Project ID: E220-1161
Client ID: MW3-GW2A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	

Project ID: E220-1161
Client ID: MW3-GW2A

Phoenix I.D.: CF38714

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	02/27/20	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	02/27/20	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl ethyl ketone	5.5	5.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/27/20	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	02/27/20	MH	70 - 130 %	
% Bromofluorobenzene	94		%	1	02/27/20	MH	70 - 130 %	
% Dibromofluoromethane	98		%	1	02/27/20	MH	70 - 130 %	

Ver 1

Project ID: E220-1161
Client ID: MW3-GW2A

Phoenix I.D.: CF38714

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96		%	1	02/27/20	MH	70 - 130 %

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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
March 02, 2020
Reviewed and Released by: Rashmi 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

Analysis Report

March 02, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	CP	02/25/20	17:00
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF38713
Phoenix ID: CF38715

Project ID: E220-1161
Client ID: MW1-GW3A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trimethylbenzene	4.2	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3,5-Trimethylbenzene	1.5	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
4-Methyl-2-pentanone	5.2	5.0	ug/L	1	02/27/20	MH	SW8260C	

Ver 1

Project ID: E220-1161
Client ID: MW1-GW3A

Phoenix I.D.: CF38715

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	02/27/20	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	02/27/20	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,2-Dichloroethene	27	1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
Isopropylbenzene	2.5	1.0	ug/L	1	02/27/20	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	6.3	1.0	ug/L	1	02/27/20	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Naphthalene	1.3	1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
p-Isopropyltoluene	2.0	1.0	ug/L	1	02/27/20	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/27/20	MH	SW8260C	1
Toluene	1.6	1.0	ug/L	1	02/27/20	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Vinyl chloride	36	5.0	ug/L	5	02/28/20	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98		%	1	02/27/20	MH	70 - 130 %	
% Bromofluorobenzene	95		%	1	02/27/20	MH	70 - 130 %	
% Dibromofluoromethane	96		%	1	02/27/20	MH	70 - 130 %	

Ver 1

Project ID: E220-1161
Client ID: MW1-GW3A

Phoenix I.D.: CF38715

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96		%	1	02/27/20	MH	70 - 130 %
% 1,2-dichlorobenzene-d4 (5x)	98		%	5	02/28/20	MH	70 - 130 %
% Bromofluorobenzene (5x)	92		%	5	02/28/20	MH	70 - 130 %
% Dibromofluoromethane (5x)	93		%	5	02/28/20	MH	70 - 130 %
% Toluene-d8 (5x)	96		%	5	02/28/20	MH	70 - 130 %

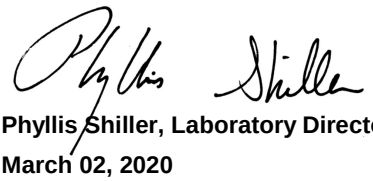
1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

March 02, 2020

Reviewed and Released by: Rashmi 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

Analysis Report

March 02, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	CP	02/25/20	18:30
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF38713
Phoenix ID: CF38716

Project ID: E220-1161
Client ID: MW5-GW4A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	02/27/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	

Ver 1

Project ID: E220-1161
Client ID: MW5-GW4A

Phoenix I.D.: CF38716

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	02/27/20	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	02/27/20	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	02/27/20	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	02/27/20	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	02/27/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	02/27/20	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	02/27/20	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100		%	1	02/27/20	MH	70 - 130 %	
% Bromofluorobenzene	92		%	1	02/27/20	MH	70 - 130 %	
% Dibromofluoromethane	91		%	1	02/27/20	MH	70 - 130 %	

Ver 1

Project ID: E220-1161
Client ID: MW5-GW4A

Phoenix I.D.: CF38716

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95		%	1	02/27/20	MH	70 - 130 %

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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
March 02, 2020
Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

March 02, 2020

QA/QC Data

SDG I.D.: GCF38713

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 520359 (ug/L), QC Sample No: CF38491 (CF38713, CF38714, CF38715, CF38716)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	93	99	6.3				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	88	93	5.5				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	90	91	1.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	81	86	6.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	85	90	5.7				70 - 130	30
1,1-Dichloroethene	ND	1.0	87	92	5.6				70 - 130	30
1,1-Dichloropropene	ND	1.0	86	91	5.6				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	104	106	1.9				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	87	88	1.1				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	102	104	1.9				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	99	101	2.0				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	92	94	2.2				70 - 130	30
1,2-Dibromoethane	ND	1.0	91	93	2.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	92	95	3.2				70 - 130	30
1,2-Dichloroethane	ND	1.0	84	88	4.7				70 - 130	30
1,2-Dichloropropane	ND	1.0	86	90	4.5				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	100	103	3.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	93	96	3.2				70 - 130	30
1,3-Dichloropropane	ND	1.0	86	89	3.4				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	93	96	3.2				70 - 130	30
2,2-Dichloropropane	ND	1.0	97	103	6.0				70 - 130	30
2-Chlorotoluene	ND	1.0	98	101	3.0				70 - 130	30
2-Hexanone	ND	5.0	79	83	4.9				70 - 130	30
2-Isopropyltoluene	ND	1.0	99	102	3.0				70 - 130	30
4-Chlorotoluene	ND	1.0	96	100	4.1				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	75	82	8.9				70 - 130	30
Acetone	ND	5.0	73	74	1.4				70 - 130	30
Acrylonitrile	ND	5.0	79	81	2.5				70 - 130	30
Benzene	ND	0.70	90	96	6.5				70 - 130	30
Bromobenzene	ND	1.0	97	100	3.0				70 - 130	30
Bromochloromethane	ND	1.0	84	91	8.0				70 - 130	30
Bromodichloromethane	ND	0.50	86	93	7.8				70 - 130	30
Bromoform	ND	1.0	88	91	3.4				70 - 130	30
Bromomethane	ND	1.0	114	122	6.8				70 - 130	30
Carbon Disulfide	ND	1.0	89	94	5.5				70 - 130	30
Carbon tetrachloride	ND	1.0	92	99	7.3				70 - 130	30
Chlorobenzene	ND	1.0	91	94	3.2				70 - 130	30
Chloroethane	ND	1.0	80	83	3.7				70 - 130	30
Chloroform	ND	1.0	85	89	4.6				70 - 130	30
Chloromethane	ND	1.0	79	83	4.9				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	85	92	7.9				70 - 130	30

QA/QC Data

SDG I.D.: GCF38713

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
cis-1,3-Dichloropropene	ND	0.40	88	92	4.4				70 - 130	30
Dibromochloromethane	ND	0.50	94	98	4.2				70 - 130	30
Dibromomethane	ND	1.0	79	87	9.6				70 - 130	30
Dichlorodifluoromethane	ND	1.0	71	77	8.1				70 - 130	30
Ethylbenzene	ND	1.0	95	98	3.1				70 - 130	30
Hexachlorobutadiene	ND	0.40	106	109	2.8				70 - 130	30
Isopropylbenzene	ND	1.0	102	103	1.0				70 - 130	30
m&p-Xylene	ND	1.0	95	99	4.1				70 - 130	30
Methyl ethyl ketone	ND	5.0	79	85	7.3				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	84	89	5.8				70 - 130	30
Methylene chloride	ND	1.0	77	84	8.7				70 - 130	30
Naphthalene	ND	1.0	107	111	3.7				70 - 130	30
n-Butylbenzene	ND	1.0	99	102	3.0				70 - 130	30
n-Propylbenzene	ND	1.0	99	101	2.0				70 - 130	30
o-Xylene	ND	1.0	96	101	5.1				70 - 130	30
p-Isopropyltoluene	ND	1.0	103	105	1.9				70 - 130	30
sec-Butylbenzene	ND	1.0	104	107	2.8				70 - 130	30
Styrene	ND	1.0	94	98	4.2				70 - 130	30
tert-Butylbenzene	ND	1.0	100	102	2.0				70 - 130	30
Tetrachloroethene	ND	1.0	89	94	5.5				70 - 130	30
Tetrahydrofuran (THF)	ND	2.5	70	82	15.8				70 - 130	30
Toluene	ND	1.0	89	95	6.5				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	89	94	5.5				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	83	90	8.1				70 - 130	30
trans-1,4-dichloro-2-butene	ND	5.0	101	103	2.0				70 - 130	30
Trichloroethene	ND	1.0	87	92	5.6				70 - 130	30
Trichlorofluoromethane	ND	1.0	83	87	4.7				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	86	90	4.5				70 - 130	30
Vinyl chloride	ND	1.0	84	89	5.8				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	97	97	0.0				70 - 130	30
% Bromofluorobenzene	94	%	96	94	2.1				70 - 130	30
% Dibromofluoromethane	92	%	94	94	0.0				70 - 130	30
% Toluene-d8	95	%	95	96	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 520555 (ug/L), QC Sample No: CF38638 (CF38713 (5X) , CF38715 (5X))

Volatiles - Ground Water

Acetone	ND	5.0	70	71	1.4				70 - 130	30
Vinyl chloride	ND	1.0	94	85	10.1				70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	95	97	2.1				70 - 130	30
% Bromofluorobenzene	92	%	94	93	1.1				70 - 130	30
% Dibromofluoromethane	95	%	90	93	3.3				70 - 130	30
% Toluene-d8	95	%	95	96	1.0				70 - 130	30

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Data

SDG I.D.: GCF38713

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

Phyllis Shiller, Laboratory Director
March 02, 2020

Monday, March 02, 2020

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCF38713 - CNS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF38713	$8260GWR	Acetone	NY / TAGM - Volatile Organics / Groundwater Standards	53	50	50	50	ug/L
CF38713	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF38713	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF38713	$8260GWR	Acetone	NY / TOGS - Water Quality / GA Criteria	53	50	50	50	ug/L
CF38713	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CF38714	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF38714	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CF38714	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF38715	$8260GWR	Vinyl chloride	NY / TAGM - Volatile Organics / Groundwater Standards	36	5.0	2	2	ug/L
CF38715	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF38715	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF38715	$8260GWR	cis-1,2-Dichloroethene	NY / TOGS - Water Quality / GA Criteria	27	1.0	5	5	ug/L
CF38715	$8260GWR	Vinyl chloride	NY / TOGS - Water Quality / GA Criteria	36	5.0	2	2	ug/L
CF38715	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CF38716	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF38716	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CF38716	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

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

March 02, 2020 SDG I.D.: GCF38713

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

VOA Narration

CHEM02 02/27/20-1: CF38713, CF38714, CF38715, CF38716

Chem02 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.037 (0.05), 2-Hexanone 0.071 (0.1), Acetone 0.058 (0.1), Bromoform 0.092 (0.1), Methyl ethyl ketone 0.076 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.037 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.036 (0.05), Acetone 0.044 (0.05), Tetrahydrofuran (THF) 0.041 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.037 (0.05), Acetone 0.058 (0.05), Tetrahydrofuran (THF) 0.053 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

CHEM02 02/28/20-1: CF38713, CF38715

Chem02 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.058 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Acetone 0.038 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acetone 0.058 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

Environmental Laboratories, Inc.
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NY Temperature Narration

March 02, 2020

SDG I.D.: GCF38713

The samples in this delivery group were received at 3.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

3.0 OWL + P

CNS ENVIRONMENTAL
A REAL ESTATE SERVICES COMPANY

SUB-SURFACE CHAIN OF CUSTODY

CNS Job #: E220-1161
Client: PACESETTER 202, LLC
Site Address: 1581 U.S. 202, POMONA, NY

Sampler(s): CHARLES POWERS
Sampling Method: LOW FLOW PUMP

Lab Sample ID# (LAB USE ONLY)	CNS Sample ID#	Date	Time	Matrix: Soil	Matrix: Groundwater	Matrix: Drinking Water	Type: Composite	Type: Grab	Filtered	Iced	Acidified	Total # of Containers	Laboratory Analysis: 8260: VOCs	Sample Location / Remarks
38713	MW6-GW1A	2/25/2020	1442		X					X	X	3	X	8-12' bgs
38714	MW3-GW2A		1600		X					X	X	3	X	8-12' bgs
38715	MW1-GW3A	↓	1700		X					X	X	3	X	8-12' bgs
38716	MW5-GW4A	—	1830		X					X	X	3	X	8-12' bgs

Relinquished by:

Name	Date	Time

Accepted by:

Name	Date	Time
[signature]	2-26-20	10:50

Data Delivery
- [X] Email lab@cnsenviro.com
- [ ] Fax

Turnaround Time
- [X] 5-Day
- [ ] 3-Day (72 hours)
- [ ] 2-Day (48 hours)
- [ ] 1-Day (24 hours)
- [ ] Other

Data Format
- [X] Excel
- [X] PDF
- [ ] Other

Data Package
- [X] Standard
- [ ] Full Package
- [ ] Other

Reporting Levels must Meet
- [ ] NYSDEC CP-51
- [ ] NYSDEC Part 375 Unrestricted SCO
- [X] NYSDEC Water Quality Standards (6NYCRR 703.5)
- [ ] NYCDEP Table A Sanitary/Combined Sewers Effluent Limitations
- [ ] Other

22620
2/26/20 16:20

CORPORATE HEADQUARTERS
208 NEWTOWN ROAD, PLAINVIEW, NY 11803
Telephone: (516) 932-3228 ▪ Fax: (516) 932-3288

PHOENIX
Environmental Laboratories, Inc.

Wednesday, March 04, 2020

Attn: Joanna Licata
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Project ID: **E220-1161**
SDG ID: **GCF41222**
Sample ID#s: CF41222 - CF41223

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.

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.

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
UT Lab Registration #CT00007
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

NY # 11301

SDG Comments

March 04, 2020

SDG I.D.: GCF41222

8260 Volatile Organics:
1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

Sample Id Cross Reference

March 04, 2020

SDG I.D.: GCF41222

Project ID: E220-1161

Client Id	Lab Id	Matrix
MW4-GW5	CF41222	GROUND WATER
MW2-GW6	CF41223	GROUND WATER

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 Report

March 04, 2020

FOR: Attn: Joanna Licata
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	CP	02/29/20	15:40
Location Code:	CNS	Received by:	CP	03/02/20	14:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF41222
Phoenix ID: CF41222

Project ID: E220-1161
Client ID: MW4-GW5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/02/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	03/02/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	03/02/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	03/02/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/02/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/02/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/02/20	MH	SW8260C	

Project ID: E220-1161
Client ID: MW4-GW5

Phoenix I.D.: CF41222

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/02/20	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/02/20	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/02/20	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/02/20	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/02/20	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/02/20	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/02/20	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/02/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Naphthalene	1.1	1.0	ug/L	1	03/02/20	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/02/20	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/02/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/02/20	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/02/20	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	93		%	1	03/02/20	MH	70 - 130 %	
% Bromofluorobenzene	97		%	1	03/02/20	MH	70 - 130 %	
% Dibromofluoromethane	99		%	1	03/02/20	MH	70 - 130 %	

Ver 1

Project ID: E220-1161
Client ID: MW4-GW5

Phoenix I.D.: CF41222

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	95		%	1	03/02/20	MH	70 - 130 %

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

March 04, 2020

Reviewed and Released by: Rashmi 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

Analysis Report

March 04, 2020

FOR: Attn: Joanna Licata
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:	CP	02/29/20	17:00
Location Code:	CNS	Received by:	CP	03/02/20	14:42
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCF41222
Phoenix ID: CF41223

Project ID: E220-1161
Client ID: MW2-GW6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Volatiles								
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,1,1-Trichloroethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1	03/03/20	MH	SW8260C	
1,1,2-Trichloroethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,1-Dichloroethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,1-Dichloroethene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,1-Dichloropropene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,2,3-Trichlorobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,2,3-Trichloropropane	ND	0.25	ug/L	1	03/03/20	MH	SW8260C	
1,2,4-Trichlorobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,2,4-Trimethylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,2-Dibromo-3-chloropropane	ND	0.50	ug/L	1	03/03/20	MH	SW8260C	
1,2-Dibromoethane	ND	0.25	ug/L	1	03/03/20	MH	SW8260C	
1,2-Dichlorobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,2-Dichloroethane	ND	0.60	ug/L	1	03/03/20	MH	SW8260C	
1,2-Dichloropropane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,3,5-Trimethylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,3-Dichlorobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,3-Dichloropropane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
1,4-Dichlorobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
2,2-Dichloropropane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
2-Chlorotoluene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
2-Hexanone	ND	5.0	ug/L	1	03/03/20	MH	SW8260C	
2-Isopropyltoluene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	1
4-Chlorotoluene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
4-Methyl-2-pentanone	ND	5.0	ug/L	1	03/03/20	MH	SW8260C	

Project ID: E220-1161
Client ID: MW2-GW6

Phoenix I.D.: CF41223

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Acetone	ND	25	ug/L	1	03/03/20	MH	SW8260C	
Acrylonitrile	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Benzene	ND	0.70	ug/L	1	03/03/20	MH	SW8260C	
Bromobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Bromochloromethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Bromodichloromethane	ND	0.50	ug/L	1	03/03/20	MH	SW8260C	
Bromoform	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Bromomethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Carbon Disulfide	ND	5.0	ug/L	1	03/03/20	MH	SW8260C	
Carbon tetrachloride	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Chlorobenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Chloroethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Chloroform	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Chloromethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
cis-1,2-Dichloroethene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
cis-1,3-Dichloropropene	ND	0.40	ug/L	1	03/03/20	MH	SW8260C	
Dibromochloromethane	ND	0.50	ug/L	1	03/03/20	MH	SW8260C	
Dibromomethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Dichlorodifluoromethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Ethylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Hexachlorobutadiene	ND	0.40	ug/L	1	03/03/20	MH	SW8260C	
Isopropylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
m&p-Xylene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Methyl ethyl ketone	ND	5.0	ug/L	1	03/03/20	MH	SW8260C	
Methyl t-butyl ether (MTBE)	2.1	1.0	ug/L	1	03/03/20	MH	SW8260C	
Methylene chloride	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Naphthalene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
n-Butylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
n-Propylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
o-Xylene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
p-Isopropyltoluene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
sec-Butylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Styrene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
tert-Butylbenzene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Tetrachloroethene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Tetrahydrofuran (THF)	ND	2.5	ug/L	1	03/03/20	MH	SW8260C	1
Toluene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Total Xylenes	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
trans-1,2-Dichloroethene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
trans-1,3-Dichloropropene	ND	0.40	ug/L	1	03/03/20	MH	SW8260C	
trans-1,4-dichloro-2-butene	ND	5.0	ug/L	1	03/03/20	MH	SW8260C	
Trichloroethene	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Trichlorofluoromethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Trichlorotrifluoroethane	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
Vinyl chloride	ND	1.0	ug/L	1	03/03/20	MH	SW8260C	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	94		%	1	03/03/20	MH	70 - 130 %	
% Bromofluorobenzene	95		%	1	03/03/20	MH	70 - 130 %	
% Dibromofluoromethane	89		%	1	03/03/20	MH	70 - 130 %	

Ver 1

Project ID: E220-1161
Client ID: MW2-GW6

Phoenix I.D.: CF41223

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	96		%	1	03/03/20	MH	70 - 130 %

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:

Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

March 04, 2020

Reviewed and Released by: Rashmi Makol, Project Manager

PHOENIX

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

QA/QC Report

March 04, 2020

QA/QC Data

SDG I.D.: GCF41222

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 520761 (ug/L), QC Sample No: CF41158 (CF41222, CF41223)										
Volatiles - Ground Water										
1,1,1,2-Tetrachloroethane	ND	1.0	89	96	7.6				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	85	100	16.2				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	93	106	13.1				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	87	103	16.8				70 - 130	30
1,1-Dichloroethane	ND	1.0	92	105	13.2				70 - 130	30
1,1-Dichloroethene	ND	1.0	89	104	15.5				70 - 130	30
1,1-Dichloropropene	ND	1.0	83	93	11.4				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	88	112	24.0				70 - 130	30
1,2,3-Trichloropropane	ND	1.0	85	97	13.2				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	90	106	16.3				70 - 130	30
1,2,4-Trimethylbenzene	ND	1.0	96	98	2.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	92	107	15.1				70 - 130	30
1,2-Dibromoethane	ND	1.0	89	97	8.6				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	91	99	8.4				70 - 130	30
1,2-Dichloroethane	ND	1.0	88	100	12.8				70 - 130	30
1,2-Dichloropropane	ND	1.0	94	103	9.1				70 - 130	30
1,3,5-Trimethylbenzene	ND	1.0	96	98	2.1				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	92	97	5.3				70 - 130	30
1,3-Dichloropropane	ND	1.0	91	101	10.4				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	91	95	4.3				70 - 130	30
2,2-Dichloropropane	ND	1.0	95	107	11.9				70 - 130	30
2-Chlorotoluene	ND	1.0	95	97	2.1				70 - 130	30
2-Hexanone	ND	5.0	86	100	15.1				70 - 130	30
2-Isopropyltoluene	ND	1.0	95	98	3.1				70 - 130	30
4-Chlorotoluene	ND	1.0	95	95	0.0				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	83	107	25.3				70 - 130	30
Acetone	ND	5.0	77	104	29.8				70 - 130	30
Acrylonitrile	ND	5.0	93	114	20.3				70 - 130	30
Benzene	ND	0.70	95	100	5.1				70 - 130	30
Bromobenzene	ND	1.0	95	100	5.1				70 - 130	30
Bromochloromethane	ND	1.0	90	106	16.3				70 - 130	30
Bromodichloromethane	ND	0.50	90	101	11.5				70 - 130	30
Bromoform	ND	1.0	82	96	15.7				70 - 130	30
Bromomethane	ND	1.0	91	106	15.2				70 - 130	30
Carbon Disulfide	ND	1.0	94	104	10.1				70 - 130	30
Carbon tetrachloride	ND	1.0	82	98	17.8				70 - 130	30
Chlorobenzene	ND	1.0	93	97	4.2				70 - 130	30
Chloroethane	ND	1.0	88	95	7.7				70 - 130	30
Chloroform	ND	1.0	92	105	13.2				70 - 130	30
Chloromethane	ND	1.0	98	106	7.8				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	91	107	16.2				70 - 130	30

QA/QC Data

SDG I.D.: GCF41222

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
cis-1,3-Dichloropropene	ND	0.40	89	103	14.6				70 - 130	30	
Dibromochloromethane	ND	0.50	90	100	10.5				70 - 130	30	
Dibromomethane	ND	1.0	85	100	16.2				70 - 130	30	
Dichlorodifluoromethane	ND	1.0	75	86	13.7				70 - 130	30	
Ethylbenzene	ND	1.0	97	98	1.0				70 - 130	30	
Hexachlorobutadiene	ND	0.40	104	98	5.9				70 - 130	30	
Isopropylbenzene	ND	1.0	97	99	2.0				70 - 130	30	
m&p-Xylene	ND	1.0	94	96	2.1				70 - 130	30	
Methyl ethyl ketone	ND	5.0	86	118	31.4				70 - 130	30	r
Methyl t-butyl ether (MTBE)	ND	1.0	82	108	27.4				70 - 130	30	
Methylene chloride	ND	1.0	86	100	15.1				70 - 130	30	
Naphthalene	ND	1.0	89	118	28.0				70 - 130	30	
n-Butylbenzene	ND	1.0	101	102	1.0				70 - 130	30	
n-Propylbenzene	ND	1.0	96	97	1.0				70 - 130	30	
o-Xylene	ND	1.0	95	99	4.1				70 - 130	30	
p-Isopropyltoluene	ND	1.0	97	99	2.0				70 - 130	30	
sec-Butylbenzene	ND	1.0	99	103	4.0				70 - 130	30	
Styrene	ND	1.0	94	100	6.2				70 - 130	30	
tert-Butylbenzene	ND	1.0	93	96	3.2				70 - 130	30	
Tetrachloroethene	ND	1.0	85	96	12.2				70 - 130	30	
Tetrahydrofuran (THF)	ND	2.5	81	108	28.6				70 - 130	30	
Toluene	ND	1.0	95	103	8.1				70 - 130	30	
trans-1,2-Dichloroethene	ND	1.0	89	102	13.6				70 - 130	30	
trans-1,3-Dichloropropene	ND	0.40	87	104	17.8				70 - 130	30	
trans-1,4-dichloro-2-butene	ND	5.0	89	104	15.5				70 - 130	30	
Trichloroethene	ND	1.0	88	96	8.7				70 - 130	30	
Trichlorofluoromethane	ND	1.0	83	92	10.3				70 - 130	30	
Trichlorotrifluoroethane	ND	1.0	85	99	15.2				70 - 130	30	
Vinyl chloride	ND	1.0	92	105	13.2				70 - 130	30	
% 1,2-dichlorobenzene-d4	99	%	99	104	4.9				70 - 130	30	
% Bromofluorobenzene	98	%	98	101	3.0				70 - 130	30	
% Dibromofluoromethane	111	%	94	106	12.0				70 - 130	30	
% Toluene-d8	94	%	100	103	3.0				70 - 130	30	

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

r = This parameter is outside laboratory RPD specified recovery limits.

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

Phyllis Shiller, Laboratory Director
March 04, 2020

Wednesday, March 04, 2020

Criteria: NY: GW

State: NY

Sample Criteria Exceedances Report

GCF41222 - CNS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF41222	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF41222	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF41222	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L
CF41223	$8260GWR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF41223	$8260GWR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF41223	$8260GWR	1,2,3-Trichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.04	0.04	ug/L

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

March 04, 2020 SDG I.D.: GCF41222

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

VOA Narration

CHEM17 03/02/20-2: CF41222, CF41223

Chem 17 is a 25ml purge instrument. The laboratory minimum response factor is set at 0.01 instead of 0.05 for the 25ml purge instruments. EPA method 8260D Table 4 supports this approach.

The following Initial Calibration compounds did not meet RSD% criteria: 1,2-Dibromo-3-chloropropane 37% (20%), Bromomethane 27% (20%), trans-1,4-dichloro-2-butene 26% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.041 (0.05), 2-Hexanone 0.089 (0.1), Acetone 0.047 (0.1), Methyl ethyl ketone 0.061 (0.1), Tetrahydrofuran (THF) 0.040 (0.05)
The following Initial Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.041 (0.05), Acetone 0.047 (0.05), Tetrahydrofuran (THF) 0.040 (0.05)

The following Continuing Calibration compounds did not meet recommended response factors: 1,2-Dibromo-3-chloropropane 0.043 (0.05), Tetrahydrofuran (THF) 0.044 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: 1,2-Dibromo-3-chloropropane 0.041 (0.05), Tetrahydrofuran (THF) 0.040 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

NY Temperature Narration

March 04, 2020

SDG I.D.: GCF41222

The samples in this delivery group were received at 3.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

3.0°C
RP

CNS ENVIRONMENTAL
A REAL ESTATE SERVICES COMPANY

SUB-SURFACE CHAIN OF CUSTODY

PAGE 1 of 1

CNS Job #: E220-1161
Client: PACESETTER 202, LLC
Site Address: 1581 US202, POMONA, NY
Sampler(s): CHARLES POWERS
Sampling Method: LOW-FLOW PUMP

Lab Sample ID# (LAB USE ONLY)	CNS Sample ID#	Date	Time	Matrix: Soil	Matrix: Groundwater	Matrix: Drinking Water	Type: Composite	Type: Grab	Filtered	Iced	Acidified	Total # of Containers	Laboratory Analysis: 8260: VOCs	Sample Location / Remarks
41222	MW4-GW5	2/29/2020	1540		X					X	X	3	X	7-10' bgs.
41223	MW2-GW6	2/29/2020	1700		X					X	X	3	X	7-10' bgs.

Relinquished by:
Name: CHARLES POWERS Date: 2/29/2020 Time:

Accepted by:
Name: [signature] Date: 3-2-20 Time: 10:30

[signature] 3-2-20 1442

Data Delivery
- [X] Email lab@cnsenviro.com
- [ ] Fax

Turnaround Time
- [X] 5-Day
- [ ] 3-Day (72 hours)
- [ ] 2-Day (48 hours)
- [ ] 1-Day (24 hours)
- [ ] Other

Data Format
- [X] Excel
- [X] PDF
- [ ] Other

Data Package
- [X] Standard
- [ ] Full Package
- [ ] Other

Reporting Levels must Meet
- [ ] NYSDEC CP-51
- [ ] NYSDEC Part 375 Unrestricted SCO
- [X] NYSDEC Water Quality Standards (6NYCRR 703.5)
- [ ] NYCDEP Table A Sanitary/Combined Sewers Effluent Limitations
- [ ] Other

CORPORATE HEADQUARTERS
208 NEWTOWN ROAD, PLAINVIEW, NY 11803
Telephone: (516) 932-3228 • Fax: (516) 932-3288

Appendix D

Laboratory Analytical Data Sheets – Soil Vapor, Indoor Air and Outdoor Air

PHOENIX
Environmental Laboratories, Inc.

Friday, February 28, 2020

Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Project ID: E220-1161
SDG ID: GCF38717
Sample ID#s: CF38717 - CF38721

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.

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.

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
UT Lab Registration #CT00007
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

NY # 11301

Sample Id Cross Reference

February 28, 2020

SDG I.D.: GCF38717

Project ID: E220-1161

Client Id	Lab Id	Matrix
SS-01A	CF38717	AIR
IA-02A	CF38718	AIR
SS-03A	CF38719	AIR
IA-04A	CF38720	AIR
OA-05A	CF38721	AIR

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 Report

February 28, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	CP	02/25/20	21:15
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21344				

Laboratory Data

SDG ID: GCF38717
Phoenix ID: CF38717

Project ID: E220-1161
Client ID: SS-01A

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*	02/26/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/26/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	02/26/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/26/20	KCA	1	
1,2,4-Trimethylbenzene	0.232	*0.204*	1.14	*1.00*	02/26/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/26/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/26/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	0.832	*0.244*	3.41	*1.00*	02/26/20	KCA	1	
Acetone	16.0	*0.421*	38.0	*1.00*	02/26/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/26/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	02/26/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/26/20	KCA	1	

Project ID: E220-1161
Client ID: SS-01A

Phoenix I.D.: CF38717

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	02/26/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	02/26/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	02/26/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	02/26/20	KCA	1	
Carbon Tetrachloride	0.073	*0.032*	0.46	*0.20*	02/26/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	02/26/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	02/26/20	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	02/26/20	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	02/26/20	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	02/26/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	02/26/20	KCA	1	
Dichlorodifluoromethane	0.449	*0.202*	2.22	*1.00*	02/26/20	KCA	1	
Ethanol	4.92	*0.531*	9.26	*1.00*	02/26/20	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	02/26/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	02/26/20	KCA	1	
Isopropylalcohol	1.27	*0.407*	3.12	*1.00*	02/26/20	KCA	1	
Isopropylbenzene	3.63	*0.204*	17.8	*1.00*	02/26/20	KCA	1	
m,p-Xylene	0.424	*0.230*	1.84	*1.00*	02/26/20	KCA	1	
Methyl Ethyl Ketone	1.80	*0.339*	5.31	*1.00*	02/26/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	02/26/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	02/26/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	02/26/20	KCA	1	
Tetrachloroethene	1.63	*0.037*	11.0	*0.25*	02/26/20	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	1
Toluene	1.30	*0.266*	4.90	*1.00*	02/26/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	02/26/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Trichloroethene	0.070	*0.037*	0.38	*0.20*	02/26/20	KCA	1	
Trichlorofluoromethane	0.233	*0.178*	1.31	*1.00*	02/26/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	02/26/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	02/26/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	95	*%*	95	*%*	02/26/20	KCA	1	
% IS-1,4-Difluorobenzene	72	*%*	72	*%*	02/26/20	KCA	1	
% IS-Bromochloromethane	74	*%*	74	*%*	02/26/20	KCA	1	
% IS-Chlorobenzene-d5	79	*%*	79	*%*	02/26/20	KCA	1	

Ver 1

Project ID: E220-1161
Client ID: SS-01A

Phoenix I.D.: CF38717

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:

The canister was received under no vacuum, therefore sample results may not be representative.

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
February 28, 2020
Reviewed and Released by: Rashmi 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

Analysis Report

February 28, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	CP	02/25/20	21:16
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	23334				

Laboratory Data

SDG ID: GCF38717
Phoenix ID: CF38718

Project ID: E220-1161
Client ID: IA-02A

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*	02/26/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/26/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	02/26/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/26/20	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/26/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/26/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Acetone	4.39	*0.421*	10.4	*1.00*	02/26/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/26/20	KCA	1	
Benzene	0.417	*0.313*	1.33	*1.00*	02/26/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/26/20	KCA	1	

Project ID: E220-1161
Client ID: IA-02A

Phoenix I.D.: CF38718

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	02/26/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	02/26/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	02/26/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	02/26/20	KCA	1	
Carbon Tetrachloride	0.065	*0.032*	0.41	*0.20*	02/26/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	02/26/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	02/26/20	KCA	1	
Chloromethane	0.578	*0.485*	1.19	*1.00*	02/26/20	KCA	1	
Cis-1,2-Dichloroethene	0.116	*0.051*	0.46	*0.20*	02/26/20	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	02/26/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	02/26/20	KCA	1	
Dichlorodifluoromethane	0.359	*0.202*	1.77	*1.00*	02/26/20	KCA	1	
Ethanol	37.9	*0.531*	71.4	*1.00*	02/26/20	KCA	1	1
Ethyl acetate	0.306	*0.278*	1.10	*1.00*	02/26/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	02/26/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	02/26/20	KCA	1	
Isopropylalcohol	3.40	*0.407*	8.35	*1.00*	02/26/20	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
m,p-Xylene	0.339	*0.230*	1.47	*1.00*	02/26/20	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	02/26/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Propylene	1.39	*0.581*	2.39	*1.00*	02/26/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	02/26/20	KCA	1	
Tetrachloroethene	472	*1.11*	3200	*7.52*	02/27/20	KCA	30	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	1
Toluene	0.926	*0.266*	3.49	*1.00*	02/26/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	02/26/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Trichloroethene	24.3	*0.037*	131	*0.20*	02/26/20	KCA	1	
Trichlorofluoromethane	0.192	*0.178*	1.08	*1.00*	02/26/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	02/26/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	02/26/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	98	*%*	98	*%*	02/26/20	KCA	1	
% IS-1,4-Difluorobenzene	90	*%*	90	*%*	02/26/20	KCA	1	
% IS-Bromochloromethane	93	*%*	93	*%*	02/26/20	KCA	1	
% IS-Chlorobenzene-d5	95	*%*	95	*%*	02/26/20	KCA	1	
% Bromofluorobenzene (30x)	96	*%*	96	*%*	02/27/20	KCA	30	
% IS-1,4-Difluorobenzene (30x)	106	*%*	106	*%*	02/27/20	KCA	30	
% IS-Bromochloromethane (30x)	108	*%*	108	*%*	02/27/20	KCA	30	
% IS-Chlorobenzene-d5 (30x)	102	*%*	102	*%*	02/27/20	KCA	30	

Ver 1

Project ID: E220-1161
Client ID: IA-02A

Phoenix I.D.: CF38718

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
February 28, 2020
Reviewed and Released by: Rashmi 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

Analysis Report

February 28, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	CP	02/25/20	21:20
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	13642				

Laboratory Data

SDG ID: GCF38717
Phoenix ID: CF38719

Project ID: E220-1161
Client ID: SS-03A

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*	02/27/20	KCA	1	1
1,1,1-Trichloroethane	0.261	*0.183*	1.42	*1.00*	02/27/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/27/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/27/20	KCA	1	
1,1-Dichloroethane	0.316	*0.247*	1.28	*1.00*	02/27/20	KCA	1	
1,1-Dichloroethene	0.062	*0.051*	0.25	*0.20*	02/27/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/27/20	KCA	1	
1,2,4-Trimethylbenzene	0.688	*0.204*	3.38	*1.00*	02/27/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/27/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/27/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/27/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/27/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/27/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/27/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/27/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/27/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/27/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/27/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/27/20	KCA	1	1
4-Ethyltoluene	0.287	*0.204*	1.41	*1.00*	02/27/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/27/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	02/27/20	KCA	1	
Acetone	0.638	*0.421*	1.51	*1.00*	02/27/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/27/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	02/27/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/27/20	KCA	1	

Project ID: E220-1161
Client ID: SS-03A

Phoenix I.D.: CF38719

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	02/27/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	02/27/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	02/27/20	KCA	1	
Carbon Disulfide	0.828	*0.321*	2.58	*1.00*	02/27/20	KCA	1	
Carbon Tetrachloride	0.070	*0.032*	0.44	*0.20*	02/27/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	02/27/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	02/27/20	KCA	1	
Chloroform	0.703	*0.205*	3.43	*1.00*	02/27/20	KCA	1	
Chloromethane	ND	*0.485*	ND	*1.00*	02/27/20	KCA	1	
Cis-1,2-Dichloroethene	57.7	*0.252*	229	*1.00*	02/26/20	KCA	5	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/27/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	02/27/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	02/27/20	KCA	1	
Dichlorodifluoromethane	0.442	*0.202*	2.18	*1.00*	02/27/20	KCA	1	
Ethanol	0.906	*0.531*	1.71	*1.00*	02/27/20	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	02/27/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	02/27/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	02/27/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	02/27/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	02/27/20	KCA	1	
Isopropylalcohol	ND	*0.407*	ND	*1.00*	02/27/20	KCA	1	
Isopropylbenzene	0.381	*0.204*	1.87	*1.00*	02/27/20	KCA	1	
m,p-Xylene	0.250	*0.230*	1.08	*1.00*	02/27/20	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	02/27/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	02/27/20	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	02/27/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	02/27/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	02/27/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	02/27/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	02/27/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	02/27/20	KCA	1	
Tetrachloroethene	143	*0.184*	969	*1.25*	02/26/20	KCA	5	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	02/27/20	KCA	1	1
Toluene	ND	*0.266*	ND	*1.00*	02/27/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	02/27/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/27/20	KCA	1	
Trichloroethene	26.2	*0.037*	141	*0.20*	02/27/20	KCA	1	
Trichlorofluoromethane	0.264	*0.178*	1.48	*1.00*	02/27/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	02/27/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	02/27/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	101	*%*	101	*%*	02/27/20	KCA	1	
% IS-1,4-Difluorobenzene	93	*%*	93	*%*	02/27/20	KCA	1	
% IS-Bromochloromethane	95	*%*	95	*%*	02/27/20	KCA	1	
% IS-Chlorobenzene-d5	98	*%*	98	*%*	02/27/20	KCA	1	
% Bromofluorobenzene (5x)	98	*%*	98	*%*	02/26/20	KCA	5	
% IS-1,4-Difluorobenzene (5x)	79	*%*	79	*%*	02/26/20	KCA	5	
% IS-Bromochloromethane (5x)	81	*%*	81	*%*	02/26/20	KCA	5	
% IS-Chlorobenzene-d5 (5x)	78	*%*	78	*%*	02/26/20	KCA	5	

Ver 1

Project ID: E220-1161
Client ID: SS-03A

Phoenix I.D.: CF38719

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
February 28, 2020
Reviewed and Released by: Rashmi 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

Analysis Report

February 28, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	CP	02/25/20	21:21
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	21368				

Laboratory Data

SDG ID: GCF38717
Phoenix ID: CF38720

Project ID: E220-1161
Client ID: IA-04A

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*	02/26/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/26/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	02/26/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/26/20	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/26/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/26/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Acetone	3.10	*0.421*	7.36	*1.00*	02/26/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/26/20	KCA	1	
Benzene	0.362	*0.313*	1.16	*1.00*	02/26/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/26/20	KCA	1	

Project ID: E220-1161
Client ID: IA-04A

Phoenix I.D.: CF38720

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	02/26/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	02/26/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	02/26/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	02/26/20	KCA	1	
Carbon Tetrachloride	0.068	*0.032*	0.43	*0.20*	02/26/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	02/26/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	02/26/20	KCA	1	
Chloromethane	0.548	*0.485*	1.13	*1.00*	02/26/20	KCA	1	
Cis-1,2-Dichloroethene	0.108	*0.051*	0.43	*0.20*	02/26/20	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	02/26/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	02/26/20	KCA	1	
Dichlorodifluoromethane	0.356	*0.202*	1.76	*1.00*	02/26/20	KCA	1	
Ethanol	26.1	*0.531*	49.1	*1.00*	02/26/20	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	02/26/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	02/26/20	KCA	1	
Isopropylalcohol	1.33	*0.407*	3.27	*1.00*	02/26/20	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
Methylene Chloride	ND	*0.864*	ND	*3.00*	02/26/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	02/26/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	02/26/20	KCA	1	
Tetrachloroethene	137	*1.48*	929	*10.0*	02/27/20	KCA	40	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	1
Toluene	0.699	*0.266*	2.63	*1.00*	02/26/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	02/26/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Trichloroethene	5.01	*0.037*	26.9	*0.20*	02/26/20	KCA	1	
Trichlorofluoromethane	0.199	*0.178*	1.12	*1.00*	02/26/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	02/26/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	02/26/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	97	*%*	97	*%*	02/26/20	KCA	1	
% IS-1,4-Difluorobenzene	89	*%*	89	*%*	02/26/20	KCA	1	
% IS-Bromochloromethane	91	*%*	91	*%*	02/26/20	KCA	1	
% IS-Chlorobenzene-d5	88	*%*	88	*%*	02/26/20	KCA	1	
% Bromofluorobenzene (40x)	96	*%*	96	*%*	02/27/20	KCA	40	
% IS-1,4-Difluorobenzene (40x)	94	*%*	94	*%*	02/27/20	KCA	40	
% IS-Bromochloromethane (40x)	95	*%*	95	*%*	02/27/20	KCA	40	
% IS-Chlorobenzene-d5 (40x)	93	*%*	93	*%*	02/27/20	KCA	40	

Ver 1

Project ID: E220-1161
Client ID: IA-04A

Phoenix I.D.: CF38720

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
February 28, 2020
Reviewed and Released by: Rashmi 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

Analysis Report

February 28, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	CP	02/25/20	21:25
Location Code:	CNS	Received by:	SW	02/26/20	16:20
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	230				

Laboratory Data

SDG ID: GCF38717
Phoenix ID: CF38721

Project ID: E220-1161
Client ID: OA-05A

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*	02/26/20	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	ND	*1.00*	02/26/20	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,1-Dichloroethene	ND	*0.051*	ND	*0.20*	02/26/20	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	ND	*1.00*	02/26/20	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichloroethane	ND	*0.247*	ND	*1.00*	02/26/20	KCA	1	
1,2-dichloropropane	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	ND	*1.00*	02/26/20	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
1,3-Butadiene	ND	*0.452*	ND	*1.00*	02/26/20	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	ND	*1.00*	02/26/20	KCA	1	
1,4-Dioxane	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	1
4-Ethyltoluene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Acetone	2.31	*0.421*	5.48	*1.00*	02/26/20	KCA	1	
Acrylonitrile	ND	*0.461*	ND	*1.00*	02/26/20	KCA	1	
Benzene	ND	*0.313*	ND	*1.00*	02/26/20	KCA	1	
Benzyl chloride	ND	*0.193*	ND	*1.00*	02/26/20	KCA	1	

Project ID: E220-1161
Client ID: OA-05A

Phoenix I.D.: CF38721

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	ND	*1.00*	02/26/20	KCA	1	
Bromoform	ND	*0.097*	ND	*1.00*	02/26/20	KCA	1	
Bromomethane	ND	*0.258*	ND	*1.00*	02/26/20	KCA	1	
Carbon Disulfide	ND	*0.321*	ND	*1.00*	02/26/20	KCA	1	
Carbon Tetrachloride	0.068	*0.032*	0.43	*0.20*	02/26/20	KCA	1	
Chlorobenzene	ND	*0.217*	ND	*1.00*	02/26/20	KCA	1	
Chloroethane	ND	*0.379*	ND	*1.00*	02/26/20	KCA	1	
Chloroform	ND	*0.205*	ND	*1.00*	02/26/20	KCA	1	
Chloromethane	0.495	*0.485*	1.02	*1.00*	02/26/20	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	ND	*0.20*	02/26/20	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Cyclohexane	ND	*0.291*	ND	*1.00*	02/26/20	KCA	1	
Dibromochloromethane	ND	*0.118*	ND	*1.00*	02/26/20	KCA	1	
Dichlorodifluoromethane	0.375	*0.202*	1.85	*1.00*	02/26/20	KCA	1	
Ethanol	4.88	*0.531*	9.19	*1.00*	02/26/20	KCA	1	1
Ethyl acetate	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	1
Ethylbenzene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Heptane	ND	*0.244*	ND	*1.00*	02/26/20	KCA	1	
Hexachlorobutadiene	ND	*0.094*	ND	*1.00*	02/26/20	KCA	1	
Hexane	ND	*0.284*	ND	*1.00*	02/26/20	KCA	1	
Isopropylalcohol	0.451	*0.407*	1.11	*1.00*	02/26/20	KCA	1	
Isopropylbenzene	ND	*0.204*	ND	*1.00*	02/26/20	KCA	1	
m,p-Xylene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	ND	*1.00*	02/26/20	KCA	1	
Methylene Chloride	1.66	*0.864*	5.76	*3.00*	02/26/20	KCA	1	
n-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
o-Xylene	ND	*0.230*	ND	*1.00*	02/26/20	KCA	1	
Propylene	ND	*0.581*	ND	*1.00*	02/26/20	KCA	1	1
sec-Butylbenzene	ND	*0.182*	ND	*1.00*	02/26/20	KCA	1	1
Styrene	ND	*0.235*	ND	*1.00*	02/26/20	KCA	1	
Tetrachloroethene	0.422	*0.037*	2.86	*0.25*	02/26/20	KCA	1	
Tetrahydrofuran	ND	*0.339*	ND	*1.00*	02/26/20	KCA	1	1
Toluene	0.443	*0.266*	1.67	*1.00*	02/26/20	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	ND	*1.00*	02/26/20	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	ND	*1.00*	02/26/20	KCA	1	
Trichloroethene	ND	*0.037*	ND	*0.20*	02/26/20	KCA	1	
Trichlorofluoromethane	0.211	*0.178*	1.18	*1.00*	02/26/20	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	ND	*1.00*	02/26/20	KCA	1	
Vinyl Chloride	ND	*0.078*	ND	*0.20*	02/26/20	KCA	1	
QA/QC Surrogates/Internals								
% Bromofluorobenzene	100	*%*	100	*%*	02/26/20	KCA	1	
% IS-1,4-Difluorobenzene	86	*%*	86	*%*	02/26/20	KCA	1	
% IS-Bromochloromethane	88	*%*	88	*%*	02/26/20	KCA	1	
% IS-Chlorobenzene-d5	87	*%*	87	*%*	02/26/20	KCA	1	

Ver 1

Project ID: E220-1161
Client ID: OA-05A

Phoenix I.D.: CF38721

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:

The canister was received under no vacuum, therefore sample results may not be representative.

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
February 28, 2020
Reviewed and Released by: Rashmi 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

February 28, 2020

FOR: Attn: Mr. Charles Powers
CNS Environmental
208 Newtown Road
Plainview, NY 11803-4307

Location Code: CNS

SDG I.D.: GCF38717

Project ID: E220-1161

						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
SS-01A	CF38717	21344	6.0L	7011	02/26/20	-30	0	10.8	12.2	12.2	-30	0	02/25/20 13:15	02/25/20 21:15
IA-02A	CF38718	23334	6.0L	1309	02/26/20	-30	-4	10.8	11.3	4.5	-28	-4	02/25/20 13:16	02/25/20 21:16
SS-03A	CF38719	13642	6.0L	3506	02/26/20	-30	-5	10.8	10.7	0.9	-30	-5	02/25/20 13:20	02/25/20 21:20
IA-04A	CF38720	21368	6.0L	4988	02/26/20	-30	-6	10.8	10.6	1.9	-30	-5	02/25/20 13:21	02/25/20 21:21
OA-05A	CF38721	230	6.0L	5659	02/26/20	-30	-4	10.8	11.3	4.5	-28	0	02/25/20 13:35	02/25/20 21:25

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 28, 2020

QA/QC Data

SDG I.D.: GCF38717

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 520172 (ppbv), QC Sample No: CF38258 (CF38717, CF38718, CF38719 (5X) , CF38720, CF38721)												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43	98	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.500	ND	2.73	91	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.020	ND	0.14	102	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.020	ND	0.11	98	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.150	ND	0.61	95	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.200	ND	0.79	87	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.054	ND	0.40	93	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	113	14.8	14.7	3.01	2.99	0.7	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.020	ND	0.15	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.100	ND	0.60	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.020	ND	0.08	91	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.020	ND	0.09	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	94	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	112	4.44	4.40	0.904	0.896	NC	70 - 130	25
1,3-Butadiene	ND	0.500	ND	1.11	96	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.100	ND	0.60	104	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.080	ND	0.48	107	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.130	ND	0.47	107	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.500	ND	2.05	98	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.500	ND	2.46	109	14.1	13.8	2.86	2.81	1.8	70 - 130	25
4-Isopropyltoluene	ND	0.500	ND	2.74	107	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	96	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.750	ND	1.78	79	396	377	167	159	4.9	70 - 130	25
Acrylonitrile	ND	0.500	ND	1.08	89	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.200	ND	0.64	100	ND	1.39	ND	0.435	NC	70 - 130	25
Benzyl chloride	ND	0.500	ND	2.59	97	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.020	ND	0.13	92	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.150	ND	1.55	99	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.140	ND	0.54	88	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.500	ND	1.56	87	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.086	ND	0.54	91	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.200	ND	0.92	105	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.500	ND	1.32	86	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	95	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.500	ND	1.03	82	ND	1.20	ND	0.581	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.500	ND	1.72	101	13.2	13.5	3.83	3.91	2.1	70 - 130	25
Dibromochloromethane	ND	0.020	ND	0.17	96	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.500	ND	2.47	85	ND	ND	ND	ND	NC	70 - 130	25
Ethanol	ND	0.750	ND	1.41	77	258	256	137	136	0.7	70 - 130	25

QA/QC Data

SDG I.D.: GCF38717

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
Ethyl acetate	ND	0.500	ND	1.80	100	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.500	ND	2.17	105	26.8	26.7	6.18	6.16	0.3	70 - 130	25
Heptane	ND	0.500	ND	2.05	99	149	145	36.3	35.3	2.8	70 - 130	25
Hexachlorobutadiene	ND	0.020	ND	0.21	77	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.450	ND	1.59	107	7.47	7.71	2.12	2.19	NC	70 - 130	25
Isopropylalcohol	ND	0.750	ND	1.84	82	6.04	5.97	2.46	2.43	NC	70 - 130	25
Isopropylbenzene	ND	0.500	ND	2.46	115	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	1.00	ND	4.34	116	125	122	28.8	28.2	2.1	70 - 130	25
Methyl Ethyl Ketone	ND	0.450	ND	1.33	86	9.8	9.9	3.32	3.36	1.2	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.80	97	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	3.00	ND	10.4	83	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.500	ND	2.74	102	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.500	ND	2.17	115	38.9	38.2	8.96	8.81	1.7	70 - 130	25
Propylene	ND	0.500	ND	0.86	89	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.500	ND	2.74	107	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.200	ND	0.85	115	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.100	ND	0.68	104	ND	ND	ND	ND	NC	70 - 130	25
Tetrahydrofuran	ND	0.500	ND	1.47	95	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.500	ND	1.88	112	320	310	85.0	82.3	3.2	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.200	ND	0.79	93	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.500	ND	2.27	99	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.050	ND	0.27	106	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.500	ND	2.81	85	ND	ND	ND	ND	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.500	ND	3.83	87	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.100	ND	0.26	96	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	96	%	96	%	101	98	97	98	97	NC	70 - 130	25
% IS-1,4-Difluorobenzene	93	%	93	%	99	78	86	78	86	NC	60 - 140	25
% IS-Bromochloromethane	93	%	93	%	99	80	88	80	88	NC	60 - 140	25
% IS-Chlorobenzene-d5	92	%	92	%	100	87	94	87	94	NC	60 - 140	25
QA/QC Batch 520241 (ppbv), QC Sample No: CF38719 (CF38718 (30X) , CF38719, CF38720 (40X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	99	1.42	1.38	0.261	0.254	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	100	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	99	1.28	1.25	0.316	0.310	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	100	0.25	0.23	0.062	0.057	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	67	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	113	3.38	3.38	0.688	0.687	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	99	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	111	ND	ND	ND	ND	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	110	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	111	1.41	1.39	0.287	0.282	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	107	0.99	ND	0.181	ND	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCF38717

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
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	88	1.51	ND	0.638	ND	NC	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	92	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	93	ND	1.01	ND	0.195	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	97	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	98	2.58	1.14	0.828	0.367	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	101	0.44	0.42	0.070	0.067	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	102	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	99	3.43	3.37	0.703	0.690	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	92	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	109	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	105	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	94	2.18	2.03	0.442	0.411	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	85	1.71	1.23	0.906	0.653	NC	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	108	ND	ND	ND	ND	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	70	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	111	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	88	ND	ND	ND	ND	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	114	1.87	1.90	0.381	0.386	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	114	1.08	1.08	0.250	0.249	NC	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	90	ND	ND	ND	ND	NC	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	101	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	90	ND	ND	ND	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	102	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	114	ND	ND	ND	ND	NC	70 - 130	25
Propylene	ND	0.580	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	112	ND	ND	ND	ND	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	108	1080	1020	159	151	5.2	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Toluene	ND	0.270	ND	1.02	116	ND	ND	ND	ND	NC	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	97	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	108	141	140	26.2	26.0	0.8	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	100	1.48	1.35	0.264	0.240	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	99	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	100	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	94	%	94	%	99	101	100	101	100	NC	70 - 130	25
% IS-1,4-Difluorobenzene	101	%	101	%	105	93	99	93	99	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	108	95	102	95	102	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	109	98	101	98	101	NC	60 - 140	25

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.

QA/QC Data

SDG I.D.: GCF38717

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

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

Phyllis Shiller, Laboratory Director
February 28, 2020

Friday, February 28, 2020

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCF38717 - CNS

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.
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

February 28, 2020 SDG I.D.: GCF38717

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

CNS ENVIRONMENTAL
A REAL ESTATE SERVICES COMPANY

TO-15 CHAIN OF CUSTODY

CNS Job #	Client:	PACESETTER 202, LLC
E220-1161	Site Address:	1581 U.S. 202, POMONA, NY

Sampler(s): CHARLES POWERS (Print Name) (Sign Name)

Turnaround Time: 12-Hour | 24-Hour | 48-Hour | 72-Hour | 5-Day (circled)

CNS Sample ID	LAB USE ONLY Lab Sample ID	Sample Date	Sampling Start Time	Sampling End Time	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Canister ID #	Flow Regulator ID #	Canister Size (L)	LAB USE ONLY Outgoing Canister Pressure (" Hg)	LAB USE ONLY Incoming Canister Pressure ("Hg)	LAB USE ONLY Flow Controller Setting (mL/min)	MATRIX: Ambient/Indoor Air	MATRIX: Soil Vapor	MATRIX: Ambient/Outdoor Air	MATRIX: Grab (G) Composite (C)	ANALYSES: TO-15	ANALYSES: TO-14
SS-01A	38717	2/25/2020	1315	2115	30	0	21344	7011	6		0			X			X	
IA-02A	38718	"	1316	2116	28	4	23334	1309	6		-4		X				X	
SS-03A	38719	"	1320	2120	30	5	13642	3506	6		-5			X			X	
IA-04A	38720	"	1321	2121	30	5	21368	4988	6		-6		X				X	
OA-05A	38721	"	1325	2125	29	0	230	5659	6		-4				X		X	

Relinquished by: [signature]
Date: 2/26/2020
Time:

Accepted by: [signature]
Date: 2-26-20
Time: 10:50

Data Format: ☑ Excel ☑ PDF ☐ Equis ☐ GISKey ☐ Other:

Data Delivery: ☐ Fax #: 516-932-3288 ☑ Email: lab@cnsenviro.com

SPECIAL INSTRUCTIONS:

[signature] 2-26-20 [signature] 2/26/20 16:20

CORPORATE HEADQUARTERS
208 NEWTOWN ROAD, PLAINVIEW, NY 11803
Telephone: (516) 932-3228 • Fax: (516) 932-3288