

February 28, 2025

Submitted Electronically: <a href="mailto:shayna.batyrov@dec.ny.gov">shayna.batyrov@dec.ny.gov</a>

Ms. Shayna Batyrov New York State Department of Environmental Conservation Division of Environmental Remediation, Region 4 1130 North Westcott Road Schenectady, New York 12306-2460

#### RE: Submission of Revised 2023-2024 Periodic Review Report & Response to Comments for the Capital Center Property - 705 Broadway, Albany, New York NYSDEC Site No. C401070 CHA Project No. 081639.000

Dear Ms. Batyrov:

On behalf of FC 705 Broadway, LLC (c/o Pioneer Companies), CHA Consulting, Inc. (CHA) is pleased to submit this revised 2023-2024 Periodic Review Report (PRR) for the Capital Center Site located at 705 Broadway in the City of Albany, Albany County, New York. Additionally, CHA has prepared the following responses to the New York State Department of Environmental Conservation's (NYSDEC's) comments identified in their September 27, 2024 letter:

**Comment 1:** Section 3.2: The asphalt cover is still intact beneath the decorative stone and therefore continues to function as the cover system in this area, however inspection procedures will need to be updated such that the condition of the asphalt surface is still being inspected (i.e. moving the stone to observe the asphalt).

**Response 1:** CHA has revised the PRR to provide additional detail on the materials placed over the Track 4 area. As discussed in the text of the report, the mulched areas and concrete surfaces meet the requirements as standalone cover systems, and therefore, future inspections of the asphalt cover system will not be required.

**Comment 2:** Section 3.2: Please confirm that the additional track 4 area (outside the limits of the original asphalt cover system) which was extended in 2019 also contains a cover system and describe the cover system in that area. Specifically, describe the type of cover beneath the Track 4 area in-between the sidewalk and the hotel building, which contains soil/mulch and trees.

**Response 2:** CHA has added Figure 3 to the PRR to depict the various cover systems placed over the Track 4 area. Additionally, CHA has modified the text of the PRR to describe these materials. The concrete sidewalk and stamped concrete are a minimum of four inches in thickness and meet the requirements of site cover system. Additionally, the topsoil within the mulched areas was sampled a determined to meet the necessary analytical testing requirements. Given that the overall cover system thickness is in excess of two feet and there were no exceedances of the applicable soil cleanup objective (SCO) concentrations, the mulch areas also meets the soil cover system requirements.

**Comment 3:** Figure 2: The new Figure 2 is very informative of the different boundaries associated with the site. It is noted that a portion of tax parcel 76.27-1-18.1 was not included in the corresponding green delineation because it is neither track 1 or track 4. The label for the green delineation, however, refers to the entire tax parcel, so the boundary should be consistent with that description.

**Response 3:** CHA revised Figure 2 to update the boundary of Tax Map Parcel No. 76.27-1-18.1 and shaded the boundary of the portion of the parcel that was not included as part of the Track 1 or Track 4 cleanup areas, as indicated by a note on the figure. Additionally, CHA added a note to the bottom of the parcel table in the text of the report (Executive Summary and Section 1.0) to indicate that an approximately 1,406 square-foot portion of Tax Map Parcel No. 76.27-1-18.1 is not part of the Track 1 or Track 4 clean-up areas.

**Comment 4:** Appendix A: The IC/EC certification form contains boxes 1-6 from the wrong certification year (2022-2023). Please update to contain the current form and Institutional Control certification.

**Response 4:** The correct IC/EC forms have been inserted in Appendix A.

**Comment 5:** Appendix B: The concrete sidewalk prevents the inspection of the asphalt beneath *it, but it is suitable to function as a cover itself and can therefore be consider part of the cover system. For future inspections, the checklist should specify the different types of cover material used throughout the track 4 area, so each type of cover is inspected/certified as functioning properly.* 

**Response 5:** CHA has modified the inspection form to review all cover materials for evidence of settlement, scour, or other visible evidence of damage, particularly non-hardscape areas such as the areas of decorative stone and mulch. However, CHA will inspect both the mulched areas and the concrete surfaces for scours, subsidence, and cracking as we believe these descriptors apply to all cover systems installed on the Track 4 area.

Should you have any questions or further comments, please contact me at (315) 257-7227 or via e-mail at <u>ssmith2@chasolutions.com</u>.

Sincerely,

Scott M. Smith. P.E.

Vice President

/sms

Attachment

Ecc: Christopher O'Neill, NYSDEC Matthew Dunham, NYSDEC Mark Sergott, NYSDOH Justin Deming, NYSDOH Melissa Zell, Pioneer Companies

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# 2023/2024 PERIODIC REVIEW REPORT

**Capital Center** Broadway and Spencer Street City of Albany Albany County, New York

NYSDEC Site No. C401070 CHA Project Number: 081639.000

May 2024 Last Revised: February 28, 2025

> Prepared for: FC 705 Broadway, LLC c/o Pioneer Companies 333 West Washington Street, Suite 600 Albany, New York 13202

> > Prepared by: CHA Consulting, Inc. III Winners Circle Albany, New York 12205 Phone: (518) 453-4500



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## LIST OF ACRONYMS & ABBREVIATIONS

BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
bgs	Below the Ground Surface
CAMP	Community Air Monitoring Program
CHA	CHA Consulting, Inc.
CoC	Certificate of Completion
EC	Engineering Controls
ESA	Environmental Site Assessment
FER	Final Engineering Report
IC	Institutional Controls
ISCO	In-Situ Chemical Oxidation
LLC	Limited Liability Corporation
MNA	Monitored Natural Attenuation
NYSDEC	New York State Department of Environmental Conservation
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
Pioneer	Pioneer Companies
PRR	Periodic Review Report
RAO	Remedial Action Objectives
RI	Remedial Investigation
RWP	Remedial Work Plan
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SVOC	Semivolatile Organic Compound
SWPPP	Stormwater Pollution Prevention Plan
TMP	Tax Map Parcel
TOGS	Technical & Operational Guidance Series
UST	Underground Storage Tank
VOC	Volatile Organic Compound

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## EXECUTIVE SUMMARY

The Capital Center Property (Site) is located off Broadway in the City of Albany, Albany County, New York (see **Figure 1**). The Site, as defined in the Site Management Plan (SMP) was originally identified as Tax Map Parcel (TMP) No. 76.27-1-18 and was approximately 1.67 acres in size. On April 4, 2022 (filing date), the owner subdivided the Site into the following two parcels while the overall Site boundary remained unchanged (see **Figure 2**):

		Size	Size			
I WP NO.	Address	(Square Feet)	(Acres)	Current Owner		
76.27-1-18.1	705 Broadway	53,869	1.24	FC 705 Broadway LLC		
76.27-1-18.2	82 Montgomery Street	18,829	0.43	705 Broadway Hotel LLC		
Note: Approximately 1.406 square feet of TMP No. 76.27-1-18.1 is not part of the Track 1 or Track 4 clean up areas.						

The Site is bounded by Spencer Street to the north, restaurants and commercial businesses to the south, Montgomery Street to the east, and Broadway to the west. The Site has a long history of former industrial use including use as a meat-packing and processing industry, a box factory, coal storage operations, produce storage, railroad rights of way, a roofing supply facility, a tin shop, whole meat suppliers, an insecticide factory, gasoline filling, and auto repair activities.

Past remedial investigation at the Site documented the following contaminants: volatile organic compounds (VOCs); semivolatile organic compounds (SVOCs); metals; trace concentrations of polychlorinated biphenyls (PCBs); and pesticides. The remedial action for the Site was completed in 2017 and included the removal of grossly contaminated soils; placement of an asphalt cover system across a portion of the Site cleaned up to Track 4 (restricted residential use) requirements; and installation of a post-remediation groundwater monitoring well network to facilitate periodic groundwater sampling (which was approved for termination in January 2022). The Track 4 area is approximately 0.075 acres in size with approximately 0.069 acres located on TMP No. 76.27-1-18.2 (the hotel parcel) and approximately 0.006 acres located on TMP No. 76.27-1-18.1 (the vacant parcel).

In addition, the Site remedy required that an Environmental Easement be placed on the property to 1) implement, maintain, and monitor the Engineering Controls; 2) prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination; and 3) limit the use and development of the Site to restricted residential, commercial, and industrial uses only. This Periodic Review Report (PRR) is required as an element of the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) developed for the Site.



The Site was observed to be in overall good condition at the time of the most recent Site-wide inspection, conducted on March 28, 2024, as described further in Section 3.2. No additional development of the Track 4 area has occurred since the previous monitoring period; however, as part of the completion of the hotel development on TMP No. 76.27-1-18.2, the Track 4 area was covered over with several additional materials in late 2023/early 2024 has part of the hotel redevelopment construction, including the following (refer to **Figure 3** for specific locations of each):

### Track 4 area previously covered by an asphalt cover system (diagonal hatched area):

- A new concrete sidewalk and stamped concrete area (a minimum of four inches thick) along the hotel's south and east sides. Note that the stamped concrete along the southernmost edge of the Site was installed in December 2024 to replace a former area of decorative stone that did not meet the NYSDEC's requirements for a site cover system.
- A portion of a mulched area between the southern sidewalk and hotel structure, consisting of a minimum of four inches of mulch over approximately twenty inches of topsoil (see below regarding the topsoil analytical testing).

### Track 4 area not previously covered by an asphalt cover system:

- A new building with a concrete slab on grade and foundation system.
- Two areas of concrete pavers over compacted run-of-crush and leveling sand (a minimum of 12 inches in total thickness), including an outdoor patio area along the west side of the hotel and a small area near the entrance of the hotel. A previous particle size analysis for the run-of-crush material confirmed that less than ten percent of the material passed through a No. 100 sieve, and thus, analytical testing was not required.
- Two mulched areas including:
  - An area between the concrete sidewalk and hotel structure consisting of approximately four inches of bark mulch (excluded from the cover thickness), 22 inches of topsoil and several inches of imported run-of-crush fill (several feet of fill based on photographic documentation).
  - A planter area that is adjacent to the outdoor patio and installed over several feet of imported run-of-crush fill (located inside a concrete retaining wall associated with the outdoor patio area).
  - As indicated above, less than ten percent of the run-of-crush material passed through a No. 100 sieve, and thus, analytical testing of that material was not required. Additionally, laboratory analysis of the topsoil demonstrated that the material met the NYSDEC's Title 6 of the New York Code, Rules and Regulations (NYCRR) Part 375 protection of groundwater soil cleanup objectives (SCOs) and the Restricted-Residential SCOs, as discuss further in the text of the report.

The existing asphalt cover system was not disturbed as these additional materials were placed over the existing cover system. Most of the cover materials (concrete sidewalk and stamped concrete) placed over the Track 4 area consist of impervious areas with a minimum thickness of



four inches that meet the requirements of a site cover system. The mulched portion of the Track 4 area was verified to consist of over two feet of imported fill that meets the applicable Part 375 requirements. Since the concrete and mulched areas meet the requirements of a site cover system and the asphalt cover system is no longer visible, inspection of the asphalt cover was not completed in 2024 and will not be inspected during future site-wide inspections.

Note that a portion of the Track 4 area is located under the new hotel and outdoor concrete patio area and was outside the limits of the asphalt cover system, as shown in **Figure 3**. Construction activities associated with a new hotel on the Track 1 portion of the Site and most of the Track 4 portion of TMP No. 76.27-1-18.2, were completed by the March 2024 inspection of the Site. The only exception was the installation of a stamped concrete cover system along the southernmost edge of the Site to replace a decorative stone material in December 2024 which was observed to be in good condition by CHA on December 18, 2024. The remainder of the Site, TMP No. 76-27-1-18.1, was stabilized with run-of-crush stone and remains secured with fencing and no evidence of active construction.

CHA recommends that the current institutional and engineering controls in place at the Site remain in place, and the engineering controls continue to be inspected. No additional changes to the remedy, and/or monitoring or operation & maintenance plans are recommended at this time. However, updates to the SMP were submitted to the NYSDEC in 2022 and changes to the environmental easement are currently pending to reflect the termination of the groundwater monitoring program per NYSDEC's approval and to change the cleanup level for a large part of the Site (approximately 1.594-acres) from a "Conditional Track 1 Area" to a "Track 1 Area."



## 1.0 SITE OVERVIEW

First Columbia, LLC (First Columbia) entered into a Brownfield Cleanup Agreement (BCA) as a volunteer on December 19, 2013, for the Capital Center Site (Site) located at the intersection of Broadway and Spencer Street in Albany, New York. The BCA was amended on January 8, 2014, to reflect FC 705 Broadway, LLC as a second Volunteer applicant and Site owner. The Pioneer Companies (Pioneer), the developer of the Site, created the FC 705 Broadway, LLC entity as well as other limited liability corporations (LLCs) in anticipation of an ownership structure for redevelopment planned at that time; however, to date, only two of the entities have been utilized.

The Site was remediated under the New York State Brownfield Cleanup Program (BCP) as Site No. C401070. The New York State Department of Environmental Conservation (NYSDEC) issued the Site Certificate of Completion (CoC) on December 29, 2017. This Periodic Review Report (PRR) is required as an element of the NYSDEC-approved Site Management Plan (SMP) developed for the Site and documents the annual Site-wide inspection. CHA Consulting, Inc. (CHA) was retained by 705 Broadway Hotel LLC, FC 705 Broadway LLC, and the other listed Volunteer LLCs to complete this work.

The Site is located in the City of Albany, Albany County, New York. A vicinity location map of the Site is included in **Figure 1**. The Site comprises a total area of approximately 1.67 acres and was subdivided into two tax parcels on April 4, 2022 (filing date), identified as Tax Map Parcel (TMP) Nos.:

	Size	Size	
Address	(Square Feet)	(Acres)	Current Owner
705 Broadway	53,869	1.24	FC 705 Broadway LLC
82 Montgomery Street	18,829	0.43	705 Broadway Hotel LLC
	Address 705 Broadway 82 Montgomery Street	AddressSize705 Broadway53,86982 Montgomery Street18,829	Size         Size           Address         (Square Feet)         (Acres)           705 Broadway         53,869         1.24           82 Montgomery Street         18,829         0.43

Note: Approximately 1,406 square feet of TMP No. 76.27-1-18.1 is not part of the Track 1 or Track 4 clean up areas.

A hotel was recently constructed on a portion of the Site (TMP No. 76.27-1-18.2) while the balance of the Site (TMP No. 76.27-1-18.1) remains undeveloped. The boundaries of the Site and newly created tax parcels are more fully described in **Figure 2**. The surrounding properties consist of commercial uses and the Site is bounded as follows:

North:	Spencer Street, office building, and parking lots
East:	Montgomery Street, parking lots, and ramps associated with I-787
South:	Restaurants, museum, and Clinton Avenue
West:	Broadway and office buildings

The remedial action achieved a Track 1 cleanup on most of the Site, allowing unrestricted use of that portion of the two parcels. A limited narrow area of the property along the southern border



was remediated to Track 4 cleanup requirements, and therefore, is restricted to restricted residential use. The Track 4 area is approximately 0.075 acres, with approximately 0.069 acres located on TMP No. 76.27-1-18.2 (the hotel parcel) and approximately 0.006 acres on TMP No. 76.27-1-18.1 (the vacant parcel). The Track 4 area is shaded light blue in **Figure 2** while the balance of the Site (unshaded/white) represents the Track 1 cleanup area. Note that approximately 1,406 square feet of TMP No. 76.27-1-18.1 is not part of the Track 1 or Track 4 clean up areas and is shaded light green in **Figure 2**.

## 1.1 Brief Site Background

Historical industrial uses of the Site have included multiple meat-packing and processing companies, a box factory, coal storage operations, produce storage, railroad rights of way, roofing suppliers, a tin shop, whole meat suppliers, an insecticide factory, gasoline filling, and auto repair activities. Several investigations were completed at the Site between 2005 and 2011, as further detailed in the SMP.

### 1.2 Nature & Extent of Contamination

Site contaminants, including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals, and pesticides were historically detected in the soil, groundwater, and/or soil vapor beneath the Site. While most of the contamination has been removed from the Site, the extent of the remaining contamination at the site is detailed in the SMP.

## 1.3 Summary of the Remedy

Based on the Remedial Action Objectives (RAOs) established for the Site, as listed in the Decision Document (August 2016), the remedy included:

- 1. Demolition of the remnants of on-Site buildings and proper off-site disposal of demolition debris;
- Site monitoring of airborne VOCs and particulates following an NYSDEC-approved Community Air Monitoring Plan (CAMP) during all ground intrusive and soil handling activities;
- 3. Collection and analysis of soil samples during a waste characterization sampling program for preapproval by disposal facilities to facilitate live loading of soils;
- 4. Implementation of dust and odor suppression techniques during all ground intrusive and soil handling activities;
- Excavation to an average depth of 12 feet in the Track 1 area and off-site disposal of impacted soil exceeding Unrestricted Use SCOs across the Track 1 areas (49,980.86 tons of non-PCB impacted soil and 5,024.34 tons of PCB-impacted soil were removed as part of the remedy implementation);
- 6. Appropriate off-site disposal of all material removed from the Site in accordance with Federal, State, and local rules and regulations for handling, transport, and disposal;



- 7. Implementation of erosion and sediment controls;
- Screening for indications of contamination (by visual and olfactory means, and monitoring with a photoionization detector (PID)) in all excavated soil during all ground intrusive Site work;
- Removal of underground storage tanks (USTs) and closure of the NYSDEC spill report after the Final Engineering Report (FER) was submitted to NYSDEC (twelve tanks in total were removed and closed as part of the remedial construction);
- 10. Placement of asphalt cover in the Track 4 area;
- 11. Groundwater remediation during construction activities via pump and treat methods with an on-Site carbon filtration system before discharge to the City of Albany stormwater conveyance system;
- 12. Execution and recording of an Environmental Easement to restrict land use to restricted residential, commercial, and industrial use as defined by Part 375-1.8(g), although land use is subject to local zoning laws, and prevent future exposure to any contamination remaining at the Site;
- 13. Development and implementation of a Site Management Plan for long-term management of remaining contamination in the Track 4 area as required by the Environmental Easement, which includes plans for (1) Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance and (4) reporting; and

The remedial action for the Site was completed in 2017 following the Remedial Work Plan (RWP) approved by the NYSDEC on August 26, 2016. Remedial activities were described in detail in CHA's Final Engineering Report, dated December 22, 2017. Additionally, groundwater remediation was conducted during the completion of the remedial activities. Based on groundwater samples collected using temporary wells in the source areas, H8 and G6, in-situ chemical oxidation (ISCO), utilizing RegenOx® as provided by REGENESIS®, was applied directly to the groundwater in these areas during the remedial activities.

The Site remedy required that an environmental easement be placed on the property to (1) implement, maintain, and monitor the Engineering Controls per the SMP; (2) prevent future exposure to remaining contamination by controlling disturbances of the remaining subsurface contamination and prohibiting the use of underlying groundwater without necessary treatment; and, (3) limit the use and development of the Site to restricted residential, commercial, or industrial use, only. The environmental easement for the Site was executed by the NYSDEC on July 19, 2017, and is included in the Site Management Plan.



## 2.0 INSTITUTIONAL/ENGINEERING CONTROLS PLAN COMPLIANCE

## 2.1 Institutional Control/Engineering Control Plan Requirements & Compliance Status

Institutional controls (ICs) implemented at the Site in the form of an environmental easement and the SMP require periodic inspection of the engineering controls and an evaluation of Site use to ensure that exposure to remaining contamination is prevented. Additionally, the use and development of the Site are limited to restricted residential, commercial, or industrial uses, only.

Engineering controls (ECs) at the Site that are subject to periodic inspection include the cover system over the Track 4 cleanup area. Previously, the ECs included a groundwater monitoring well network which had been utilized for evaluating the effectiveness of monitored natural attenuation (MNA) of the remaining Site contaminants in groundwater following the implementation of the remedy. However, all monitoring wells have been decommissioned and the groundwater monitoring program was terminated in 2022 following approval by the NYSDEC.

Additionally, SWPPP inspections have been conducted by Terracon on a monthly or weekly basis since September 13, 2019, depending on the level of site activities. Copies of the SWPPP inspection reports completed during the 2023/2024 reporting are available upon request. However, since Terracon protects these documents, they cannot be added to this reporting submission electronically.

## 2.2 IC/EC Certification

The completed Institutional and Engineering Controls Certification Forms are included in **Appendix A**. The final Engineering control, consisting of an asphalt cover system over a portion of the Track 4 cleanup area, has been covered over with several additional materials in late 2023/early 2024 as part of the hotel redevelopment construction, including the following (refer to **Figure 3** for specific locations of each):

### Track 4 area previously covered by an asphalt cover system (diagonal hatched area):

- A new concrete sidewalk and stamped concrete area (a minimum of four inches thick) along the hotel's south and east sides. Note that the stamped concrete along the southernmost edge of the Site was installed in December 2024 to replace a former area of decorative stone that did not meet the NYSDEC's requirements for a site cover system.
- A portion of a mulched area between the southern sidewalk and hotel structure, consisting of a minimum of four inches of mulch over approximately twenty inches of topsoil (see below regarding the topsoil analytical testing).

### Track 4 area not previously covered by an asphalt cover system:

• A new building with a concrete slab on grade and foundation system.



- Two areas of concrete pavers over compacted run-of-crush and leveling sand (a minimum of 12 inches in total thickness), including an outdoor patio area along the west side of the hotel and a small area near the entrance of the hotel. A previous particle size analysis for the run-of-crush material confirmed that less than ten percent of the material passed through a No. 100 sieve, and thus, analytical testing was not required.
- Two mulched areas including:
  - An area between the concrete sidewalk and hotel structure consisting of approximately four inches of bark mulch (excluded from the cover thickness), 22 inches of topsoil and several inches of imported run-of-crush fill (several feet of fill based on photographic documentation).
  - A planter area that is adjacent to the outdoor patio and installed over several feet of imported run-of-crush fill (located inside a concrete retaining wall associated with the outdoor patio area).
  - As indicated above, less than ten percent of the run-of-crush material passed through a No. 100 sieve, and thus, analytical testing of that material was not required. Additionally, laboratory analysis of the topsoil demonstrated that the material met the NYSDEC's Title 6 of the New York Code, Rules and Regulations (NYCRR) Part 375 protection of groundwater soil cleanup objectives (SCOs) and the Restricted-Residential SCOs, as documented in CHA's Track 4 Cover Soil Sampling Summary Report, dated January 13, 2025 and included in Appendix B.

The asphalt cover system was not disturbed as these additional materials were placed over the existing cover system, although the existing asphalt no longer requires inspection as it has been replaced with new cover systems. Most of the new cover materials (concrete sidewalk and stamped concrete) placed over the Track 4 area consist of impervious areas with a minimum thickness of four inches that meet the requirements of a site cover system. The mulched portion of the Track 4 area was verified to consist of over two feet of imported fill (excluding the mulch itself) that meets the applicable Part 375 requirements (see **Appendix B**). Since the concrete and mulched areas meet the requirements of a site cover system and the asphalt cover is no longer visible, inspection of the asphalt cover was not completed in 2024 and will not be inspected during future site-wide inspections.

Note that a portion of the Track 4 area is located under the new hotel and outdoor concrete patio area and was outside the limits of the asphalt cover system, as shown on **Figure 3**. The newly place cover systems remained in place and were functioning properly during the reporting period. However, CHA notes that the stamped concrete cover system installed along the southernmost edge of the Site was installed in December 2024 to replace a former decorative stone area that did not meet the requirements of a standalone cover system. The stamped concrete area was verified to be in good condition on December 18, 2024.

The cover systems have been and continue to be effective in preventing public exposure to remaining contaminants in soil and groundwater at the Site. The SMP is being implemented and

based on this review, the remedy continues to be protective of public health and/or the environment and compliant with the Decision Document. Currently, CHA recommends that all controls for the Site remain in place.

## 3.0 MONITORING PLAN COMPLIANCE REPORT

## 3.1 Components of the Monitoring Plan

Components of the Monitoring Plan include an annual Site-wide inspection and periodic certification. No other monitoring activities (e.g. groundwater monitoring) are currently required for the Site.

## 3.2 Site-Wide Inspection

CHA completed the latest site-wide inspection on March 28, 2024, and the Site-wide Inspection Checklist documenting CHA's observations is included in **Appendix C**. Photographs documenting the Site cover condition during the March 2024 Site-wide inspection are included in **Appendix D**. As previously described in Section 2.2 and depicted in **Figure 3**, the Track 4 area on the hotel parcel has been covered over with several different materials as part of the final redevelopment construction of the hotel. The existing asphalt cover system was not disturbed as part of these surficial upgrades. Photographs 7 through 10 in **Appendix D** document the condition of the asphalt cover system before and after the installation of the concrete sidewalk/stamped concrete areas and the mulched areas. Note that a portion of the Track 4 area is located under the new hotel and outdoor concrete patio area and was outside the limits of the asphalt cover system. Additionally, site perimeter fencing was still in place and functional around the northwestern portion of the Site that remains undeveloped and stabilized with a run-of-crush stone. The fencing around the southeastern portion of the Site was removed following completion of the hotel construction.

The next inspection of these controls is scheduled to occur in the spring of 2025 unless earlier inspections are necessitated following an extreme weather event.

## 3.3 Compliance with Performance Standards

Following the review of the groundwater results from the October 2021 monitoring event, CHA requested approval from the NYSDEC for the termination of the semiannual groundwater monitoring program and decommissioning of the remaining on-site monitoring wells based on the positive trends in groundwater quality. The Department approved this request via e-mail correspondence on January 6, 2022. Additionally, the NYSDEC stated its intent to change the cleanup level of the 1.594-acre "Conditional Track 1 Area" to a "Track 1 Area".



## 4.0 OVERALL PRR CONCLUSIONS & RECOMMENDATIONS

CHA did not identify changes in Site use or new development at the Site since the last PRR was completed, with the exception that the hotel construction on the Site is complete and is now an active facility. The Site was subdivided into two tax parcels (76.27-1-18.1 and 76.27-1-18.2) in anticipation of a financial transaction on April 4, 2022.

As previously indicated, the Site was observed to be in overall good condition at the time of the most recent Site-wide inspection, conducted on March 28, 2024. As described in Section 2.2 and depicted in **Figure 3**, the Track 4 area was covered with new site cover systems as part of the final redevelopment construction of the hotel. The new cover materials (concrete and a mulched area over two feet thick excluding the mulch itself) were in good condition at the time of the inspections. Additionally, site perimeter fencing was still in place and functional around the northwestern portion of the Site that remains undeveloped and stabilized with a run-of-crush stone. The fencing around the southeastern portion of the Site was removed following completion of the hotel construction.

During 2023 and early 2024, Terracon completed SWPPP inspections of the stone surface on the undeveloped portion of the Site monthly/weekly, and no significant issues were documented. Copies of the SWPPP inspection reports are protected and not able to be attached to this report but were transmitted directly to the NYSDEC from Terracon for this reporting period.

### Evaluation of Remedy Performance, Effectiveness & Protectiveness

Based on the removal of contaminated soil and other contaminant sources, and post-remediation groundwater sampling, as described in the Final Engineering Report for the Site, the remedy has achieved the RAOs for decreasing groundwater contamination concentrations. Provided the institutional and engineering controls established for the Site remain in place and are maintained, it is expected that the remedy will continue to be effective in protecting human health and the environment.

### **Recommendations & Future PRR Submittals**

It is recommended that the current institutional and engineering controls in place at the Site remain in place, and the engineering controls continue to be inspected.

No additional changes to the remedy, and/or monitoring or operation & maintenance plans are recommended at this time. However, updates to the SMP were submitted to the NYSDEC in 2022 and changes to the environmental easement are currently pending to reflect the termination of the groundwater monitoring program per NYSDEC's approval and to change the cleanup level for



a large part of the Site (approximately 1.594-acres) from a "Conditional Track 1 Area" to a "Track 1 Area."

# FIGURES







## Figure 1 - Site Location Map

Capital City Center Site Quackenbush Square City of Albany, Albany County, New York

Service Layer Credits: Aerial imagery courtesy of Esri, DigitalGlobe, GeoEye, Earthstar Image Date: 6/7/2015







- CONCRETE SIDEWALK AREA
- BUILDING AREA

U

- CONCRETE PAVER AREA
- MULCHED PLANTING AREA
- ORIGINAL ASPHALT COVER AREA OVER TRACK 4 AREA

## TRACK 4 COVER SYSTEMS

VAULT

CURR

CAPITAL CENTER SITE QUACKENBUSH SQUARE CITY OF ALBANY, ALBANY COUNTY, NEW YORK PROJECT NO. 081639.000

DATE: 02/19/25

FIGURE NO. 3

## APPENDIX A Institutional & Engineering Controls Certification Forms





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



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Sit	Site Details e No. C401070	Box 1							
Sit	e Name Capital Center								
Site City Co Site	e Address: Corner of Broadway and Spencer Street Zip Code: 12207 //Town: Albany unty: Albany e Acreage: 1.67								
Re	porting Period: April 29, 2023 to April 29, 2024								
		YES	NO						
1.	Is the information above correct?	X							
	If NO, include handwritten above or on a separate sheet.								
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		X						
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		X						
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		X						
	If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.								
5.	Is the site currently undergoing development?		X						
		Box 2							
		YES	NO						
6.	Is the current site use consistent with the use(s) listed below? Unrestricted, Residential, Restricted-Residential, Commercial, and Industrial	X							
7.	Are all ICs in place and functioning as designed? $X$								
	IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.								
AC	corrective Measures Work Plan must be submitted along with this form to address th	nese issi	ues.						

				Box 2	Α				
Q	Has any new information	revealed that assumptions made in the $\Omega$	alitative Exposure	YES	NO				
0.	Assessment regarding off	site contamination are no longer valid?			X				
	If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.								
9.	<ol> <li>Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)</li> </ol>								
	If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.								
SITI	SITE NO. C401070 Box 3								
	Description of Institution	al Controls							
Parcel Owner Institutional C					<u>ontrol</u>				
10.21			Groundwater Use Restriction						
			Soil Management Plan Land Use Restriction						
Site Manageme					nt Plan				
			Groundwater Use	e Restriction t Plan					
			Soil Management						
			Land Use Restrict Site Management	ion Plan					
			IC/EC Plan						
				Box 4	4				
	Description of Engineerir	ng Controls							
Parce	<u></u>	Engineering Control							
76.27	/-1-18.1/18.2	Cover System Track 4 only							
		Vapor Mitigation - Track 4 only.							

			Box 5
	Periodic Review Report (PRR) Certification Statements		
1.	I certify by checking "YES" below that:		
	a) the Periodic Review report and all attachments were prepared under the dire reviewed by, the party making the Engineering Control certification;	ction of,	and
	b) to the best of my knowledge and belief, the work and conclusions described in are in accordance with the requirements of the site remedial program, and generation programs and the information program to a compare	n this co rally acc	ertification cepted
	engineering practices, and the information presented is accurate and compete.	YES	NO
		X	
2.	For each Engineering control listed in Box 4, I certify by checking "YES" below that all following statements are true:	of the	
	<ul> <li>(a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Deperisting asphalt cover system covered with soil cover system (mulched area) and concrete (b) nothing has occurred that would impair the ability of such Control, to protect the environment;</li> </ul>	oartmen cover sy public h	t; stems. lealth and
	<ul><li>(c) access to the site will continue to be provided to the Department, to evaluate remedy, including access to evaluate the continued maintenance of this Control;</li></ul>	the	
	(d) nothing has occurred that would constitute a violation or failure to comply win Site Management Plan for this Control; and	th the	
	(e) if a financial assurance mechanism is required by the oversight document fo mechanism remains valid and sufficient for its intended purpose established in the	r the sit ne docu	e, the ment.
		YES	NO
		X	
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.		
	A Corrective Measures Work Plan must be submitted along with this form to address t	hese iss	sues.
	Signature of Owner, Remedial Party or Designated Representative Date		

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#### IC CERTIFICATIONS SITE NO. C401070

Box 6

#### SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

 I
 Melissa F. Zell
 at 333 W. Washington Street, Syracuse, New York 13202,

 print name
 print business address

am certifying as \_\_\_Owner

(Owner or Remedial Party)

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

26/2024

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

	EC CERTIFICATIONS
	Box 7 Signature
certify that all information in I ounishable as a Class "A" mis	Boxes 4 and 5 are true. I understand that a false statement made herein i demeanor, pursuant to Section 210.45 of the Penal Law.
Scott M. Smith print name	at <u>CHA Consulting, Inc 300 South State Street, Syracuse,</u> ,N print business address
am certifying as a for the	FC 705 Broadway, LLC
	(Owner or Remedial Party)
Viol Smith	







January 13, 2025

Submitted Electronically: <a href="mailto:shayna.batyrov@dec.ny.gov">shayna.batyrov@dec.ny.gov</a>

Ms. Shayna Batyrov New York State Department of Environmental Conservation Division of Environmental Remediation, Region 4 1130 North Westcott Road Schenectady, New York 13206-2460

#### RE: Track 4 Cleanup Area Cover Soil Sampling Analytical Results Capital Center Property – Broadway/ and Spender Street, City of Albany, New York NYSDEC Site No. C401070 CHA Project No. 081639.000

Dear Ms. Batyrov:

Following the review of the 2023/2024 Periodic Review Report (PRR), prepared by CHA Consulting, Inc. (CHA), for the above-referenced project, the New York State Department of Environmental Conservation (NYSDEC) issued a comment letter on September 27<sup>th</sup>, 2024, and met with CHA on-site on October 16<sup>th</sup>, 2024. Based on the comment letter and subsequent discussions with the Department, the NYSDEC requested the following sampling activities on October 21, 2024, to confirm that certain cover materials in the Track 4 area of the Site met the minimum requirements of the Site Management Plan.

- 1. Excavation of two test pits in the decorative stone area to verify the thicknesses of the compacted and decorative stone layers, as it must be at least two feet thick to meet the requirements for restricted residential use. However, since the stone layers were believed to be less than two feet thick in total, the owner instead proposed the removal of the decorative stone and the placement of stamped concrete (at least four inches thick) in this area. During a follow-up conference call on October 31, 2024, the NYSDEC agreed that the owner could proceed with the installation of the stamped concrete over the existing asphalt to meet the cover system requirements. CHA informed the NYSDEC that the installation of the stamped concrete was completed via email on December 11, 2024.
- 2. Excavation of two test pits in the mulched area to verify the thickness of materials placed in the upper two feet (excluding the mulch) and collect soil samples of the cover material.

On December 18<sup>th</sup>, 2024, CHA Consulting, Inc. (CHA) performed the requested work in accordance with the Soil Sampling Plan, dated November 13<sup>th</sup>, 2024 and conditionally approved by the NYSDEC on December 6, 2024. A representative of the NYSDEC, Mr. Matthew Dunham, was on-site to observe this work. Since the decorative stone area had already been replaced with a stamped concrete cover system, only the test pits within the mulch area were completed.

Two test pits were installed in the mulched area to verify the thickness of the materials placed in the upper two feet, excluding the mulch, according to the Soil Sampling Plan, including:

- 1. Test pit TP-1 was installed approximately 10 feet south of the hotel structure and 12 feet east of the concrete retaining wall.
- 2. Test pit TP-2 was installed approximately 2 feet south of the hotel structure and 2 feet east of the concrete retaining wall.

One composite soil sample and one soil grab sample (collected from 6 to 12 inches below the ground surface (bgs) at test pit TP-1 and 16 to 22 inches bgs at test pit TP-2) were collected from each of the test pits and analyzed for the following analyses:

- Target Compound List (TCL) VOCs by EPA Method 8260 (grab samples only).
- TCL semivolatile organic compounds (SVOCs) by EPA Method 8270.
- Total polychlorinated biphenyls (PBCs) by EPA Method 8082.
- Pesticides by EPA Method 8081.
- Target Analyte List (TAL) metals and cyanide by EPA Methods 6010 and 7471.
- Per- and Polyfluoroalkyl Substances (PFAS) by EPA Method 1633.

CHA notes that a densely-compacted run-of-crush stone was encountered at approximately 22 inches bgs, excluding the mulch. Since previous particle size analysis of this material indicated that only 5.2 percent of the material passed a No. 100 sieve, environmental testing of this material was not required, and the test pits were terminated at the top of the stone material.

The analytical results are summarized in Table 1 for all detected parameters except PFAS. The soil samples were compared to the lower of the Part 375 Protection of Groundwater Soil Cleanup Objective (SCO) or the Restricted-Residential SCO. No detected parameters exceeded their respective SCOs. Table 2 provides a summary of the PFAS results. The detected concentrations of perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) were below their respective unrestricted use soil cleanup objective (SCO) concentrations included in 6 NYCRR Part 375. The full laboratory analytical report is attached to this letter.

In summary, the investigation performed confirmed that the imported soil (excluding the mulch applied to the surface and the run of crush stone beneath the soil) meets the required applicable SCOs for the site.

Should you have any questions regarding the results of this investigation, please contact me at (315) 257-7227 or <u>ssmith2@chasolutions.com</u>.

Sincerely,

Scott M. Smith, P.E. Vice President

KE/sms

 Table 1 – Track 4 Area Cover Sampling Results, Detected Parameters Only

 Table 2 – Track 4 Area Cover Sampling Results, Per- and Polyfluoroalkyl Substances Only

 Attachment 1 – Laboratory Analytical Package

 Ecc:
 Christopher O'Neill, NYSDEC

 Matthew Dunham, NYSDEC

 Mark Sergott, NYSDOH

 Justin Deming, NYSDOH

Melissa Zell, Pioneer Companies

\\cha-llp.com\proj\Projects\ANY\K6\081639.000\08\_Reports\2024 Cover Soil Sampling Summary\FINAL\2025-01-13\_Track 4 Cover Soil Sampling Summary.docx

# Tables

#### Table 1. Track 4 Area Cover Sampling Results Detected Parameters Only Capital Center Project NYSDEC Site No. C401070

LOCATION	SOIL-TP	-1	SOIL-TP-2				
SAMPLING DATE	12/18/202	24	12/18/2024				
LAB SAMPLE ID				L2474660	-01	L2474660-02	
SAMPLE TYPE				SOIL		SOIL	
	NY-RESRR	NY-RESGW	Units	Results	Qual	Results	Qual
General Chemistry				•			
Solids, Total			%	82.2		77	
Volatile Organics by GC/MS							
Acetone	100	0.05	mg/kg	0.012	U	0.0081	J
Semivolatile Organics by GC/MS							
Fluoranthene	100	1000	mg/kg	0.28		0.31	
Benzo(a)anthracene	1	1	mg/kg	0.14		0.16	
Benzo(a)pyrene	1	22	mg/kg	0.15	J	0.17	
Benzo(b)fluoranthene	1	1.7	mg/kg	0.23		0.26	
Benzo(k)fluoranthene	3.9	1.7	mg/kg	0.063	J	0.096	J
Chrysene	3.9	1	mg/kg	0.18		0.2	
Benzo(ghi)perylene	100	1000	mg/kg	0.13	J	0.14	J
Phenanthrene	100	1000	mg/kg	0.1	J	0.11	J
Dibenzo(a,h)anthracene	0.33	1000	mg/kg	0.027	J	0.035	J
Indeno(1,2,3-cd)pyrene	0.5	8.2	mg/kg	0.12	J	0.13	J
Pyrene	100	1000	mg/kg	0.22		0.23	
Carbazole			mg/kg	0.019	J	0.02	J
Organochlorine Pesticides by GC				·			
4,4'-DDE	8.9	17	mg/kg	0.0116		0.00876	
4,4'-DDD	13	14	mg/kg	0.00205		0.00129	J
4,4'-DDT	7.9	136	mg/kg	0.00239		0.00215	
cis-Chlordane	4.2	2.9	mg/kg	0.00147	JIP	0.00227	J
trans-Chlordane			mg/kg	0.00272	IP	0.00362	IP
Chlordane			mg/kg	0.0156	U	0.0244	
Total Metals							
Aluminum, Total			mg/kg	8980		7660	
Arsenic, Total	16	16	mg/kg	7.29		5.58	
Barium, Total	400	820	mg/kg	72.3		71.6	
Beryllium, Total	72	47	mg/kg	0.458		0.391	J
Cadmium, Total	4.3	7.5	mg/kg	0.916	U	0.179	J
Calcium, Total			mg/kg	14500		7270	
Chromium, Total			mg/kg	11.9		10.4	
Cobalt, Total			mg/kg	7.33		6.03	
Copper, Total	270	1720	mg/kg	22.5		21	
Iron, Total			mg/kg	18800		16300	
Lead, Total	400	450	mg/kg	28.1		33.1	
Magnesium, Total			mg/kg	4060		3370	
Manganese, Total	2000	2000	mg/kg	827		730	
Nickel, Total	310	130	mg/kg	15.1		17.6	
Potassium, Total			mg/kg	629		665	
Sodium, Total			mg/kg	70.3	J	29.9	J
Vanadium, Total			mg/kg	16		13.1	
Zinc, Total	10000	2480	mg/kg	64		64.1	
Polychlorinated Biphenyls by GC							
Aroclor 1254	1	3.2	mg/kg	0.00739	JP	0.0108	JP
Aroclor 1260	1	3.2	mg/kg	0.0556	U	0.0245	J
PCBs, Total	1	3.2	mg/kg	0.00739	J	0.0353	J

#### Table 1. Track 4 Area Cover Sampling Results Detected Parameters Only Capital Center Project NYSDEC Site No. C401070

#### **Table Notes:**

Samples collected by CHA Consulting, Inc. on December 18th, 2024 and analyzed by Pace Analytical Services, LLC (NY ELAP 11148) Only detected parameters shown in the table.

Samples were compared to the lower of the Restricted Residential and the Protection of Groundwater Soil Cleanup Objectives. No detected parameter exceeded the applicable criteria.

NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Data Qualifiers:

 ${\sf I}={\sf The}$  lower value for the two columns has been reported due to obvious interference

J = Estimated value below the reporting limit, but above the method detection limit <math>P = The Relative Percent Difference between the results for the two columns exceeds the method-specified criteria

U = Parameter not detected



#### Table 2. Track 4 Area Cover Sampling Per- and Polyfluoroalky Substance Results Capital Center Project NYSDEC Site No. C401070

	LOCATION	SOIL-TP-1		SOIL-TP-2		
	SAMPLING DATE	12/18/2024		12/18/2024		
	LAB SAMPLE ID		L2474660-01		L2474660-02	
	SAMPLE TYPE		SO	IL	SO	IL
		Units	Results	Qual	Results	Qual
Per-	and Polyfluoroalkyl Substances via EPA Method 1633		•		•	
	Perfluorobutanoic Acid (PFBA)	ug/kg	0.086	J	0.065	J
	Perfluoropentanoic Acid (PFPeA)	ug/kg	0.081	J	0.079	J
	Perfluorobutanesulfonic Acid (PFBS)	ug/kg	0.2	U	0.199	U
	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ug/kg	0.8	U	0.797	U
	Perfluorohexanoic Acid (PFHxA)	ug/kg	0.083	J	0.069	J
	Perfluoropentanesulfonic Acid (PFPeS)	ug/kg	0.2	U	0.199	U
	Perfluoroheptanoic Acid (PFHpA)	ug/kg	0.042	J	0.037	J
	Perfluorohexanesulfonic Acid (PFHxS)	ug/kg	0.2	U	0.199	U
	Perfluorooctanoic Acid (PFOA)	ug/kg	0.109	J	0.123	J
	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ug/kg	0.8	U	0.797	U
	Perfluoroheptanesulfonic Acid (PFHpS)	ug/kg	0.2	U	0.199	U
	Perfluorononanoic Acid (PFNA)	ug/kg	0.061	J	0.058	J
	Perfluorooctanesulfonic Acid (PFOS)	ug/kg	0.274		0.213	
	Perfluorodecanoic Acid (PFDA)	ug/kg	0.058	J	0.049	J
	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ug/kg	0.8	U	0.797	U
	Perfluorononanesulfonic Acid (PFNS)	ug/kg	0.2	U	0.199	U
	N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ug/kg	0.2	U	0.199	U
	Perfluoroundecanoic Acid (PFUnA)	ug/kg	0.2	U	0.038	J
	Perfluorodecanesulfonic Acid (PFDS)	ug/kg	0.2	U	0.199	U
	Perfluorooctanesulfonamide (PFOSA)	ug/kg	0.2	U	0.199	U
	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ug/kg	0.2	U	0.199	U
	Perfluorododecanoic Acid (PFDoA)	ug/kg	0.033	J	0.199	U
	Perfluorotridecanoic Acid (PFTrDA)	ug/kg	0.2	U	0.199	U
	Perfluorotetradecanoic Acid (PFTeDA)	ug/kg	0.2	U	0.199	U
	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ug/kg	0.8	U	0.797	U
	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ug/kg	0.8	U	0.797	U
	Perfluorododecanesulfonic Acid (PFDoS)	ug/kg	0.2	U	0.199	U
	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9CI-PF3ONS)	ug/kg	0.8	U	0.797	U
	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11CI-PF3OUdS)	ug/kg	0.8	U	0.797	U
	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ug/kg	0.2	U	0.199	U
	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ug/kg	0.2	U	0.199	U
	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ug/kg	2	U	1.99	U
	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ug/kg	2	U	1.99	U
	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ug/kg	0.4	U	0.398	U
	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ug/kg	0.4	U	0.398	U
	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ug/kg	0.4	U	0.398	U
	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ug/kg	0.4	U	0.398	U
	3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ug/kg	1	U	0.996	U
	2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ug/kg	5	U	4.98	U
	3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ug/kg	5	U	4.98	U

#### Table Notes:

Samples collected by CHA Consulting, Inc. on December 18th, 2024 and analyzed by Pace Analytical Services, LLC (NY ELAP 11148)

All parameters are presented.

Data Qualifiers:

J = Estimated value below the reporting limit, but above the method detection limit

U = Parameter not detected

# Attachment 1 – Laboratory Analytical Package


### ANALYTICAL REPORT

Lab Number:	L2474660
Client:	CHA Companies
	One Park Place
	300 South State St., Suite 600
	Syracuse, NY 13202
ATTN:	Scott Smith
Phone:	(315) 471-3920
Project Name:	CAPITAL CENTER PROJ-COVER SOIL
Project Number:	081639.000-0003000
Report Date:	01/06/25

The original project report/data package is held by Pace Analytical Services. This report/data package is paginated and should be reproduced only in its entirety. Pace Analytical Services holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930A1).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Serial\_No:01062519:48

Project Name:CAPITAL CENTER PROJ-COVER SOILProject Number:081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2474660-01	SOIL-TP-1	SOIL	ALBANY, NY	12/18/24 09:55	12/18/24
L2474660-02	SOIL-TP-2	SOIL	ALBANY, NY	12/18/24 10:40	12/18/24



# Project Name:CAPITAL CENTER PROJ-COVER SOILProject Number:081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

#### **Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments and solids are reported on a dry weight basis unless otherwise noted. Tissues are reported "as received" or on a wet weight basis, unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Pace Project Manager and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.



Project Name:CAPITAL CENTER PROJ-COVER SOILProject Number:081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

**Case Narrative (continued)** 

#### **Report Submission**

January 06, 2025: This final report includes the results of all requested analyses. December 30, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by 1633

The WG2016383-3 LCS recovery, associated with L2474660-01 and -02, is above the acceptance criteria for 3-perfluoropropyl propanoic acid (3:3ftca) (142%); however, the associated samples are non-detect to the reporting limit for this target analyte. The results of the original analysis are reported.

**Total Metals** 

L2474660-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Standow Kelly Stenstrom

Authorized Signature:

Title: Technical Director/Representative

Date: 01/06/25

# ORGANICS



# VOLATILES



			Serial_No	0:01062519:48
Project Name:	CAPITAL CENTER PROJ	I-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-01		Date Collected:	12/18/24 09:55
Client ID:	SOIL-TP-1		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil			
Analytical Method:	1,8260D			
Analytical Date:	12/29/24 16:43			
Analyst:	AJK			

82%

Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - West	oorough Lab					
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1



					:	Serial_No	0:01062519:48
Project Name:	CAPITAL CENTER PRO	OJ-COVER	SOIL		Lab Nu	ımber:	L2474660
Project Number:	081639.000-0003000				Report	Date:	01/06/25
-		SAMP		S	-		
Lab ID: Client ID: Sample Location:	L2474660-01 SOIL-TP-1 ALBANY, NY				Date Co Date Re Field Pre	llected: ceived: ep:	12/18/24 09:55 12/18/24 Not Specified
Sample Depth:							
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics I	by GC/MS - Westborough	Lab					
1.2 Disklarshannana		ND			2.4	0.40	
1,3-Dichlorobenzene		ND		ug/kg	2.4	0.18	1
Mothyl tort butyl othor				ug/kg	2.4	0.20	1
				ug/kg	2.4	0.24	1
				ug/kg	1.2	0.00	1
cis-1 2-Dichloroethene		ND		ug/kg	1.2	0.04	1
Styrene		ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethar	)e	ND		ua/ka	12	1.1	1
Acetone		ND		ua/ka	12	5.7	1
Carbon disulfide		ND		ug/kg	12	5.4	1
2-Butanone		ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone		ND		ug/kg	12	1.5	1
2-Hexanone		ND		ug/kg	12	1.4	1
Bromochloromethane		ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane		ND		ug/kg	1.2	0.33	1
1,2-Dibromo-3-chlorop	ropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene		ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	9	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	9	ND		ug/kg	2.4	0.32	1
Methyl Acetate		ND		ug/kg	4.7	1.1	1
Cyclohexane		ND		ug/kg	12	0.64	1
1,4-Dioxane		ND		ug/kg	95	42.	1
Freon-113		ND		ug/kg	4.7	0.82	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4	100		70-130	
Toluene-d8	103		70-130	
4-Bromofluorobenzene	91		70-130	
Dibromofluoromethane	107		70-130	

4.7

ug/kg

0.71

ND

Pace

1

Methyl cyclohexane

			Serial_No	:01062519:48
Project Name:	CAPITAL CENTER PROJ-0	COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-02		Date Collected:	12/18/24 10:40
Client ID:	SOIL-TP-2		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil			
Analytical Method:	1,8260D			
Analytical Date:	12/29/24 17:09			
Analyst:	AJK			

77%

Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor		
Volatile Organics by GC/MS - Westborough Lab								
Methylene chloride	ND		ug/kg	5.7	2.6	1		
1,1-Dichloroethane	ND		ug/kg	1.1	0.17	1		
Chloroform	ND		ug/kg	1.7	0.16	1		
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1		
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1		
Dibromochloromethane	ND		ug/kg	1.1	0.16	1		
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1		
Tetrachloroethene	ND		ug/kg	0.57	0.22	1		
Chlorobenzene	ND		ug/kg	0.57	0.14	1		
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1		
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1		
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1		
Bromodichloromethane	ND		ug/kg	0.57	0.12	1		
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1		
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1		
Bromoform	ND		ug/kg	4.6	0.28	1		
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1		
Benzene	ND		ug/kg	0.57	0.19	1		
Toluene	ND		ug/kg	1.1	0.62	1		
Ethylbenzene	ND		ug/kg	1.1	0.16	1		
Chloromethane	ND		ug/kg	4.6	1.1	1		
Bromomethane	ND		ug/kg	2.3	0.66	1		
Vinyl chloride	ND		ug/kg	1.1	0.38	1		
Chloroethane	ND		ug/kg	2.3	0.52	1		
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1		
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1		
Trichloroethene	ND		ug/kg	0.57	0.16	1		
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1		



						Serial_No	0:01062519:48
Project Name:	CAPITAL CENTER PR	OJ-COVER	SOIL		Lab Nu	umber:	L2474660
Project Number:	081639.000-0003000				Report	t Date:	01/06/25
-		SAMP		S	-		
Lab ID: Client ID: Sample Location:	L2474660-02 SOIL-TP-2 ALBANY, NY				Date Co Date Re Field Pre	llected: ceived: ep:	12/18/24 10:40 12/18/24 Not Specified
Sample Depth:							
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics I	by GC/MS - Westborough	Lab					
1.3-Dichlorobenzene		ND		ua/ka	23	0 17	1
1.4-Dichlorobenzene		ND		ua/ka	2.3	0.20	1
Methyl tert butyl ether		ND		ug/kg	2.3	0.23	1
p/m-Xylene		ND		ug/kg	2.3	0.64	1
o-Xylene		ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene		ND		ug/kg	1.1	0.20	1
Styrene		ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethar	ne	ND		ug/kg	11	1.0	1
Acetone		8.1	J	ug/kg	11	5.5	1
Carbon disulfide		ND		ug/kg	11	5.2	1
2-Butanone		ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone		ND		ug/kg	11	1.5	1
2-Hexanone		ND		ug/kg	11	1.4	1
Bromochloromethane		ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane		ND		ug/kg	1.1	0.32	1
1,2-Dibromo-3-chlorop	ropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene		ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	9	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	9	ND		ug/kg	2.3	0.31	1
Methyl Acetate		ND		ug/kg	4.6	1.1	1
Cyclohexane		ND		ug/kg	11	0.62	1
1,4-Dioxane		ND		ug/kg	92	40.	1
Freon-113		ND		ug/kg	4.6	0.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	
1,2-Dichloroethane-d4	99		70-130	
Toluene-d8	101		70-130	
4-Bromofluorobenzene	91		70-130	
Dibromofluoromethane	110		70-130	

ug/kg

ND

Pace

1

0.69

4.6

Methyl cyclohexane

Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000 Lab Number: **Report Date:** 

L2474660 01/06/25

# Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: Analyst: AJK

12/29/24 14:59

Parameter	Result	Qualifier	Units	RL	MDL	
Volatile Organics by GC/MS	- Westborough Lat	o for samp	le(s): 01-02	2 Batch:	WG2014821-5	
Methylene chloride	ND		ug/kg	5.0	2.3	
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	
Chloroform	0.62	J	ug/kg	1.5	0.14	
Carbon tetrachloride	ND		ug/kg	1.0	0.23	
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	
Dibromochloromethane	ND		ug/kg	1.0	0.14	
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	
Tetrachloroethene	ND		ug/kg	0.50	0.20	
Chlorobenzene	ND		ug/kg	0.50	0.13	
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	
Bromodichloromethane	ND		ug/kg	0.50	0.11	
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	
Bromoform	ND		ug/kg	4.0	0.25	
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	
Benzene	ND		ug/kg	0.50	0.17	
Toluene	ND		ug/kg	1.0	0.54	
Ethylbenzene	ND		ug/kg	1.0	0.14	
Chloromethane	ND		ug/kg	4.0	0.93	
Bromomethane	ND		ug/kg	2.0	0.58	
Vinyl chloride	ND		ug/kg	1.0	0.34	
Chloroethane	ND		ug/kg	2.0	0.45	
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	
Trichloroethene	ND		ug/kg	0.50	0.14	
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Lab Number: L2474660 **Report Date:** 01/06/25

# Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260D Analytical Date: 12/29/24 14:59 Analyst: AJK

Parameter	Result	Qualifier Units	6	RL	MDL
Volatile Organics by GC/MS - West	borough Lab	for sample(s):	01-02 I	Batch:	WG2014821-5
1,4-Dichlorobenzene	ND	ug/k	g :	2.0	0.17
Methyl tert butyl ether	ND	ug/k	g :	2.0	0.20
p/m-Xylene	ND	ug/k	g :	2.0	0.56
o-Xylene	ND	ug/k	g	1.0	0.29
cis-1,2-Dichloroethene	ND	ug/k	g	1.0	0.18
Styrene	ND	ug/k	g	1.0	0.20
Dichlorodifluoromethane	ND	ug/k	g	10	0.92
Acetone	ND	ug/k	g	10	4.8
Carbon disulfide	ND	ug/k	g	10	4.6
2-Butanone	ND	ug/k	g	10	2.2
4-Methyl-2-pentanone	ND	ug/k	g	10	1.3
2-Hexanone	ND	ug/k	g	10	1.2
Bromochloromethane	ND	ug/k	g :	2.0	0.20
1,2-Dibromoethane	ND	ug/k	g	1.0	0.28
1,2-Dibromo-3-chloropropane	ND	ug/k	g :	3.0	1.0
Isopropylbenzene	ND	ug/k	g	1.0	0.11
1,2,3-Trichlorobenzene	ND	ug/k	g :	2.0	0.32
1,2,4-Trichlorobenzene	ND	ug/k	g :	2.0	0.27
Methyl Acetate	ND	ug/k	g ·	4.0	0.95
Cyclohexane	ND	ug/k	g	10	0.54
1,4-Dioxane	ND	ug/k	g	80	35.
Freon-113	ND	ug/k	g ·	4.0	0.69
Methyl cyclohexane	ND	ug/k	g ·	4.0	0.60



Project Name:	CAPITAL CENTER PROJ-COVER SOIL
Project Number:	081639.000-0003000

Lab Number:	L2474660
Report Date:	01/06/25

Analytical Method:1,8260DAnalytical Date:12/29/24 14:59Analyst:AJK

Parameter	Result	Qualifier	Units	RL	MDL	
Volatile Organics by GC/MS - West	borough Lal	b for sample	e(s): 01-02	Batch:	WG2014821-5	

Surrogate	%Recovery	Qualifier	Criteria		
1,2-Dichloroethane-d4	99		70-130		
Toluene-d8	100		70-130		
4-Bromofluorobenzene	90		70-130		
Dibromofluoromethane	105		70-130		



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

LCSD LCS %Recovery RPD %Recovery %Recovery Limits RPD Limits Qual Qual Qual Parameter Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2014821-3 WG2014821-4 Methylene chloride 88 84 70-130 5 30 1,1-Dichloroethane 96 92 70-130 4 30 Chloroform 30 93 91 70-130 2 Carbon tetrachloride 107 70-130 30 103 4 1,2-Dichloropropane 93 89 70-130 4 30 Dibromochloromethane 101 102 70-130 1 30 70-130 30 1,1,2-Trichloroethane 92 89 3 30 113 109 70-130 Tetrachloroethene 4 95 70-130 30 Chlorobenzene 98 3 70-139 30 Trichlorofluoromethane 111 105 6 89 87 70-130 2 30 1,2-Dichloroethane 101 70-130 30 1,1,1-Trichloroethane 97 4 70-130 30 Bromodichloromethane 92 91 1 93 70-130 30 trans-1,3-Dichloropropene 94 1 cis-1,3-Dichloropropene 98 96 70-130 2 30 Bromoform 101 102 70-130 30 1 70-130 30 1,1,2,2-Tetrachloroethane 88 83 6 30 Benzene 92 89 70-130 3 Toluene 94 89 70-130 30 5 Ethylbenzene 93 89 70-130 30 4 Chloromethane 52-130 30 109 100 9 Bromomethane 57-147 30 106 102 4 Vinyl chloride 98 91 67-130 30 7



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

LCSD LCS %Recovery RPD %Recovery %Recovery Limits RPD Limits Qual Qual Qual Parameter Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2014821-3 WG2014821-4 Chloroethane 97 78 50-151 22 30 1.1-Dichloroethene 108 101 65-135 7 30 trans-1.2-Dichloroethene 30 103 98 70-130 5 70-130 30 Trichloroethene 99 101 2 1.2-Dichlorobenzene 99 97 70-130 2 30 1.3-Dichlorobenzene 102 98 70-130 4 30 30 1,4-Dichlorobenzene 100 96 70-130 4 30 Methyl tert butyl ether 103 102 66-130 1 94 70-130 30 p/m-Xylene 99 5 92 70-130 30 o-Xylene 96 4 cis-1,2-Dichloroethene 99 95 70-130 4 30 95 92 70-130 30 Styrene 3 Dichlorodifluoromethane 119 112 30 30-146 6 54-140 30 Acetone 131 130 1 Carbon disulfide 104 98 59-130 6 30 98 98 70-130 30 2-Butanone 0 70-130 30 4-Methyl-2-pentanone 88 87 1 84 30 2-Hexanone 88 70-130 5 Bromochloromethane 102 70-130 30 106 4 1,2-Dibromoethane 100 98 70-130 2 30 1,2-Dibromo-3-chloropropane 88 68-130 30 88 0 30 Isopropylbenzene 95 92 70-130 3 1,2,3-Trichlorobenzene 106 104 70-130 2 30



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	9 Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Volatile Organics by GC/MS - Westboroug	h Lab Associat	ed sample(s)	: 01-02 Bate	ch: WG20148	321-3 WG2014	4821-4			
1,2,4-Trichlorobenzene	108		106		70-130	2		30	
Methyl Acetate	99		99		51-146	0		30	
Cyclohexane	107		101		59-142	6		30	
1,4-Dioxane	83		84		65-136	1		30	
Freon-113	114		108		50-139	5		30	
Methyl cyclohexane	107		102		70-130	5		30	

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93	95	70-130
Toluene-d8	101	100	70-130
4-Bromofluorobenzene	103	93	70-130
Dibromofluoromethane	105	105	70-130



# SEMIVOLATILES



		Serial_No:	01062519:48
CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
081639.000-0003000		Report Date:	01/06/25
	SAMPLE RESULTS		
L2474660-01		Date Collected:	12/18/24 09:55
SOIL-TP-1		Date Received:	12/18/24
ALBANY, NY		Field Prep:	Not Specified
Soil		Extraction Method:	EPA 3546
1,8270E		Extraction Date:	12/21/24 22:50
12/23/24 18:49			
JG			
82%			
	CAPITAL CENTER PROJ 081639.000-0003000 L2474660-01 SOIL-TP-1 ALBANY, NY Soil 1,8270E 12/23/24 18:49 JG 82%	CAPITAL CENTER PROJ-COVER SOIL 081639.000-0003000 <b>SAMPLE RESULTS</b> L2474660-01 SOIL-TP-1 ALBANY, NY Soil 1,8270E 12/23/24 18:49 JG 82%	Serial_No:         CAPITAL CENTER PROJ-COVER SOIL       Lab Number:         081639.000-0003000       Report Date:         SAMPLE RESULTS       Date Collected:         L2474660-01       Date Collected:         SOIL-TP-1       Date Received:         ALBANY, NY       Field Prep:         Soil       1,8270E         12/23/24 18:49       JG         32%       Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westbo	orough Lab					
Acenaphthene	ND		ua/ka	160	21.	1
Hexachlorobenzene	ND		ua/ka	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	280		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	140		ug/kg	120	22.	1
Benzo(a)pyrene	150	J	ug/kg	160	49.	1



					Serial_No:01062519:48			
Project Name:	CAPITAL CENTER PR	ROJ-COVER	SOIL		Lab Nu	umber:	L2474660	
Project Number:	081639.000-0003000				Report	Date:	01/06/25	
•		SAMP	LE RESULT	S	•		01,00,20	
Lab ID: Client ID: Sample Location:	L2474660-01 SOIL-TP-1 ALBANY, NY				Date Co Date Re Field Pre	llected: ceived: əp:	12/18/24 09:55 12/18/24 Not Specified	
Sample Depth:								
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organ	nics by GC/MS - Westbo	rough Lab						
5 (1)(1) (1)								
Benzo(b)fluoranthene		230		ug/kg	120	34.	1	
Benzo(k)fluoranthene		63	J	ug/kg	120	32.	1	
		180		ug/kg	120	21.	1	
Acenaphthylene		ND		ug/kg	160	31.	1	
Anthracene		ND 100		ug/kg	120	39.	1	
Benzo(gni)perylene		130	J	ug/kg	160	24.	1	
Pluorene		ND		ug/kg	200	19.	1	
	-	100	J	ug/kg	120	24.	1	
Dibenzo(a,n)anthracen		100	J	ug/kg	120	23.	1	
	3	120	J	ug/kg	100	20.	1	
Pyrene		220		ug/kg	120	20.	1	
		ND		ug/kg	460	20.	1	
				ug/kg	200	30. 20	1	
2-Nitroaniline				ug/kg	200	30. 20	1	
				ug/kg	200	აo.	1	
Dibonzofuron				ug/kg	200	10	1	
2 Mothylpaphthalono				ug/kg	200	19.	1	
	7000			ug/kg	240	24.	1	
Acetophenone	26116			ug/kg	200	21.	1	
2 4 6-Trichlorophenol		ND		ug/kg	120	20.	1	
p-Chloro-m-cresol		ND		ug/kg	200	30	1	
2-Chlorophenol		ND		ug/kg	200	24	1	
2 4-Dichlorophenol		ND		ug/kg	180		1	
2.4-Dimethylphenol		ND		ua/ka	200	66.	1	
2-Nitrophenol		ND		ua/ka	430	75.	1	
4-Nitrophenol		ND		ug/ka	280	82.	1	
2,4-Dinitrophenol		ND		ua/ka	960	93.	1	
4,6-Dinitro-o-cresol		ND		ug/ka	520	96.	1	
Pentachlorophenol		ND		ug/ka	160	44.	1	
Phenol		ND		ug/kg	200	30.	1	
2-Methylphenol		ND		ug/kg	200	31.	1	
3-Methylphenol/4-Meth	ylphenol	ND		ug/kg	290	31.	1	



					Serial_No:01062519:48			
Project Name:	CAPITAL CENTER PRO	OJ-COVER	SOIL		Lab Num	ber:	L2474660	
Project Number:	081639.000-0003000				Report D	ate:	01/06/25	
-		SAMP	LE RESULT	S	-			
Lab ID:	L2474660-01				Date Colle	cted:	12/18/24 09:55	
Client ID:	SOIL-TP-1				Date Rece	ived:	12/18/24	
Sample Location:	ALBANY, NY				Field Prep:		Not Specified	
Sample Depth:								
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor	
Semivolatile Organ	nics by GC/MS - Westbord	ough Lab						
Caprolactam		ND		ug/kg	200	61.	1	
2,3,4,6-Tetrachlorophe	enol	ND		ug/kg	200	40.	1	
Surrogate				% Recovery	Qualifier	Acceptance er Criteria		
2-Fluorophenol				88			25-120	
Phenol-d6				91		10-120		
Nitrobenzene-d5				103		23-120		
2-Fluorobiphenyl				79		30-120		
2,4,6-Tribromophe	enol			77			10-136	
4-Terphenyl-d14				81			18-120	

			Serial_No:	01062519:48
Project Name:	CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-01		Date Collected:	12/18/24 09:55
Client ID:	SOIL-TP-1		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil		Extraction Method:	EPA 1633
Analytical Method:	144,1633		Extraction Date:	01/04/25 09:00
Analytical Date:	01/05/25 12:21		Cleanup Method:	EPA 1633
Analyst:	ANH		Cleanup Date:	01/04/25
Percent Solids:	82%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor		
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab								
Perfluorobutanoic Acid (PFBA)	0.086	J	ng/g	0.800	0.028	1		
Perfluoropentanoic Acid (PFPeA)	0.081	J	ng/g	0.400	0.038	1		
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020	1		
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.078	1		
Perfluorohexanoic Acid (PFHxA)	0.083	J	ng/g	0.200	0.015	1		
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026	1		
Perfluoroheptanoic Acid (PFHpA)	0.042	J	ng/g	0.200	0.012	1		
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020	1		
Perfluorooctanoic Acid (PFOA)	0.109	J	ng/g	0.200	0.026	1		
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.148	1		
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045	1		
Perfluorononanoic Acid (PFNA)	0.061	J	ng/g	0.200	0.013	1		
Perfluorooctanesulfonic Acid (PFOS)	0.274		ng/g	0.200	0.031	1		
Perfluorodecanoic Acid (PFDA)	0.058	J	ng/g	0.200	0.035	1		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.259	1		
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030	1		
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.086	1		
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013	1		
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014	1		
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010	1		
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044	1		
Perfluorododecanoic Acid (PFDoA)	0.033	J	ng/g	0.200	0.021	1		
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016	1		
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024	1		
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.038	1		
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.030	1		
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022	1		

		Serial_No:01062519:48	
Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number: L2474660	
Project Number:	081639.000-0003000 SAMPLE RESULTS	<b>Report Date:</b> 01/06/25	
Lab ID: Client ID: Sample Location:	L2474660-01 SOIL-TP-1 ALBANY, NY	Date Collected:12/18/24 09:55Date Received:12/18/24Field Prep:Not Specified	

### Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor		
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab								
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9CI-PF3ONS)	ND		ng/g	0.800	0.030	1		
11-Chloroeicosafluoro-3-Oxaundecane-1- Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.040	1		
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026	1		
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022	1		
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.122	1		
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.082	1		
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.017	1		
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.024	1		
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.046	1		
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.082	1		
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.092	1		
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.236	1		
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	0.366	1		

Parameter		Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	
Sample Depth:								
Sample Location:	ALBANY, NY				Field Pre	p:	Not Specified	
Client ID:	SOIL-TP-1				Date Rec	eived:	12/18/24	
Lab ID:	L2474660-01				Date Coll	ected:	12/18/24 09:55	
		SAMP	LE RESULTS	5				
Project Number:	081639.000-0003000				Report	Date:	01/06/25	
Project Name:	CAPITAL CENTER PRO	DJ-COVER	SOIL		Lab Nu	mber:	L2474660	
					S	Serial_No	0:01062519:48	

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	94	8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	102	35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92	40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	91	40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96	40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92	40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	96	40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	94	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	98	40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87	40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	104	40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	100	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	90	40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	102	40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	98	40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	95	40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89	40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	88	40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	89	20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	95	40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	87	10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	90	10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	108	20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	110	15-130

Pace

		Serial_No:	01062519:48
CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
081639.000-0003000		Report Date:	01/06/25
	SAMPLE RESULTS		
L2474660-02		Date Collected:	12/18/24 10:40
SOIL-TP-2		Date Received:	12/18/24
ALBANY, NY		Field Prep:	Not Specified
Soil		Extraction Method:	EPA 3546
1,8270E		Extraction Date:	12/21/24 22:50
12/23/24 19:11			
JG			
77%			
	CAPITAL CENTER PROJ 081639.000-0003000 L2474660-02 SOIL-TP-2 ALBANY, NY Soil 1,8270E 12/23/24 19:11 JG 77%	CAPITAL CENTER PROJ-COVER SOIL 081639.000-0003000 <b>SAMPLE RESULTS</b> L2474660-02 SOIL-TP-2 ALBANY, NY Soil 1,8270E 12/23/24 19:11 JG 77%	Serial_No: CAPITAL CENTER PROJ-COVER SOIL 081639.000-0003000 Extraction Method: 1,8270E 12/23/24 19:11 JG 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor		
Semivolatile Organics by GC/MS - Westborough Lab								
Acenaphthene	ND		ua/ka	170	22.	1		
Hexachlorobenzene	ND		ua/ka	130	24.	1		
Bis(2-chloroethyl)ether	ND		ua/ka	190	29.	1		
2-Chloronaphthalene	ND		ua/ka	210	21.	1		
3.3'-Dichlorobenzidine	ND		ua/ka	210	56.	1		
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1		
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1		
Fluoranthene	310		ug/kg	130	24.	1		
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1		
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1		
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1		
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1		
Hexachlorobutadiene	ND		ug/kg	210	31.	1		
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1		
Hexachloroethane	ND		ug/kg	170	34.	1		
Isophorone	ND		ug/kg	190	27.	1		
Naphthalene	ND		ug/kg	210	26.	1		
Nitrobenzene	ND		ug/kg	190	31.	1		
NDPA/DPA	ND		ug/kg	170	24.	1		
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1		
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1		
Butyl benzyl phthalate	ND		ug/kg	210	53.	1		
Di-n-butylphthalate	ND		ug/kg	210	40.	1		
Di-n-octylphthalate	ND		ug/kg	210	72.	1		
Diethyl phthalate	ND		ug/kg	210	20.	1		
Dimethyl phthalate	ND		ug/kg	210	44.	1		
Benzo(a)anthracene	160		ug/kg	130	24.	1		
Benzo(a)pyrene	170		ug/kg	170	52.	1		



						Serial_No:01062519:48			
Project Name:	CAPITAL CENTER PRO	OJ-COVER	SOIL		Lab Nu	umber:	L2474660		
Project Number:	081639.000-0003000				Report	Date:	01/06/25		
		SAMP	LE RESULT	S					
Lab ID:	L2474660-02				Date Co	llected:	12/18/24 10:40		
Client ID:	SOIL-TP-2				Date Re	ceived:	12/18/24		
Sample Location:	ALBANY, NY				Field Pre	ep:	Not Specified		
Sample Depth:									
Parameter		Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>		
Semivolatile Orgar	nics by GC/MS - Westbord	ough Lab							
Benzo(b)fluoranthene		260		ug/kg	130	36.	1		
Benzo(k)fluoranthene		96	J	ug/kg	130	34.	1		
Chrysene		200		ug/kg	130	22.	1		
Acenaphthylene		ND		ug/kg	170	33.	1		
Anthracene		ND		ug/kg	130	41.	1		
Benzo(ghi)perylene		140	J	ug/kg	170	25.	1		
Fluorene		ND		ug/kg	210	20.	1		
Phenanthrene		110	J	ug/kg	130	26.	1		
Dibenzo(a,h)anthracen	e	35	J	ug/kg	130	24.	1		
Indeno(1,2,3-cd)pyrene	e	130	J	ug/kg	170	30.	1		
Pyrene		230		ug/kg	130	21.	1		
Biphenyl		ND		ug/kg	480	28.	1		
4-Chloroaniline		ND		ug/kg	210	38.	1		

Pyrene	230		ug/kg	130	21.	1	
Biphenyl	ND		ug/kg	480	28.	1	
4-Chloroaniline	ND		ug/kg	210	38.	1	
2-Nitroaniline	ND		ug/kg	210	41.	1	
3-Nitroaniline	ND		ug/kg	210	40.	1	
4-Nitroaniline	ND		ug/kg	210	88.	1	
Dibenzofuran	ND		ug/kg	210	20.	1	
2-Methylnaphthalene	ND		ug/kg	250	26.	1	
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1	
Acetophenone	ND		ug/kg	210	26.	1	
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1	
p-Chloro-m-cresol	ND		ug/kg	210	32.	1	
2-Chlorophenol	ND		ug/kg	210	25.	1	
2,4-Dichlorophenol	ND		ug/kg	190	34.	1	
2,4-Dimethylphenol	ND		ug/kg	210	70.	1	
2-Nitrophenol	ND		ug/kg	460	80.	1	
4-Nitrophenol	ND		ug/kg	300	86.	1	
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1	
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1	
Pentachlorophenol	ND		ug/kg	170	46.	1	
Phenol	ND		ug/kg	210	32.	1	
2-Methylphenol	ND		ug/kg	210	33.	1	
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1	
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1	
Carbazole	20	J	ug/kg	210	20.	1	
Atrazine	ND		ug/kg	170	74.	1	
Benzaldehyde	ND		ug/kg	280	57.	1	



					Se	rial_No	p:01062519:48
Project Name:	CAPITAL CENTER PR	OJ-COVER	SOIL		Lab Num	ber:	L2474660
Project Number:	081639.000-0003000				Report D	ate:	01/06/25
-		SAMP	LE RESULT	S			
Lab ID:	L2474660-02				Date Colle	cted:	12/18/24 10:40
Client ID:	SOIL-TP-2				Date Rece	ived:	12/18/24
Sample Location:	ALBANY, NY				Field Prep:		Not Specified
Sample Depth:							
Parameter		Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Orgai	nics by GC/MS - Westbord	ough Lab					
Caprolactam		ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophe	enol	ND		ug/kg	210	43.	1
Surrogate				% Recovery	Qualifier	Ace	ceptance Criteria
2-Fluorophenol				96			25-120
Phenol-d6				97			10-120
Nitrobenzene-d5				106			23-120
2-Fluorobiphenyl				81			30-120
2,4,6-Tribromophe	enol			81			10-136
4-Terphenyl-d14				89			18-120

			Serial_No:	01062519:48
Project Name:	CAPITAL CENTER PRO	I-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-02		Date Collected:	12/18/24 10:40
Client ID:	SOIL-TP-2		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil		Extraction Method:	EPA 1633
Analytical Method:	144,1633		Extraction Date:	01/04/25 09:00
Analytical Date:	01/05/25 12:30		Cleanup Method:	EPA 1633
Analyst:	ANH		Cleanup Date:	01/04/25
Percent Solids:	77%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor			
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab									
Perfluorobutanoic Acid (PFBA)	0.065	J	ng/g	0.797	0.028	1			
Perfluoropentanoic Acid (PFPeA)	0.079	J	ng/g	0.398	0.038	1			
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.020	1			
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.797	0.077	1			
Perfluorohexanoic Acid (PFHxA)	0.069	J	ng/g	0.199	0.015	1			
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.026	1			
Perfluoroheptanoic Acid (PFHpA)	0.037	J	ng/g	0.199	0.012	1			
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.020	1			
Perfluorooctanoic Acid (PFOA)	0.123	J	ng/g	0.199	0.026	1			
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.797	0.147	1			
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.045	1			
Perfluorononanoic Acid (PFNA)	0.058	J	ng/g	0.199	0.013	1			
Perfluorooctanesulfonic Acid (PFOS)	0.213		ng/g	0.199	0.031	1			
Perfluorodecanoic Acid (PFDA)	0.049	J	ng/g	0.199	0.035	1			
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.797	0.258	1			
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.030	1			
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.085	1			
Perfluoroundecanoic Acid (PFUnA)	0.038	J	ng/g	0.199	0.013	1			
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.014	1			
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.010	1			
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.044	1			
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.021	1			
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.016	1			
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.024	1			
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.797	0.038	1			
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.797	0.030	1			
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.022	1			

		Serial_No	p:01062519:48
Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000 SAMPLE RESULTS	Report Date:	01/06/25
Lab ID: Client ID: Sample Location:	L2474660-02 SOIL-TP-2 ALBANY, NY	Date Collected: Date Received: Field Prep:	12/18/24 10:40 12/18/24 Not Specified

### Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab							
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9CI-PF3ONS)	ND		ng/g	0.797	0.030	1	
11-Chloroeicosafluoro-3-Oxaundecane-1- Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.797	0.040	1	
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.026	1	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.022	1	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.121	1	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.081	1	
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.017	1	
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.024	1	
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.398	0.046	1	
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.082	1	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.996	0.092	1	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.98	0.235	1	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.98	0.364	1	

Parameter		Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	
Sample Depth:								
Sample Location:	ALBANY, NY				Field Pre	p:	Not Specified	
Client ID:	SOIL-TP-2				Date Rec	ceived:	12/18/24	
Lab ID:	L2474660-02				Date Coll	lected:	12/18/24 10:40	
		SAMPL	E RESULTS	5				
Project Number:	081639.000-0003000				Report	Date:	01/06/25	
Project Name:	CAPITAL CENTER PRO	J-COVER	SOIL		Lab Nu	mber:	L2474660	
					5	Serial_No	01062519:48	

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	94	8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	108	35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	95	40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	102	40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84	40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	119	40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	98	40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	94	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	95	40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96	40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	104	40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	106	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	161	40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	104	40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90	40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	100	40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	95	40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	89	40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	84	20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	93	40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	90	10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	91	10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	112	20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	113	15-130

Pace

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000	Report Date:	01/06/25
	Mathed Diauls Analysia		

Analytical Method:	1,8270E	Extraction Method:	EPA 3546
Analytical Date:	12/23/24 13:58	Extraction Date:	12/21/24 20:45
Analyst:	EK		

Parameter	Result	Qualifier	Units	RL		MDL
Semivolatile Organics by GC/MS ·	- Westborough	Lab for s	ample(s):	01-02	Batch:	WG2012280-1
Acenaphthene	ND		ug/kg	130		17.
Hexachlorobenzene	ND		ug/kg	97		18.
Bis(2-chloroethyl)ether	ND		ug/kg	140		22.
2-Chloronaphthalene	ND		ug/kg	160		16.
3,3'-Dichlorobenzidine	ND		ug/kg	160		43.
2,4-Dinitrotoluene	ND		ug/kg	160		32.
2,6-Dinitrotoluene	ND		ug/kg	160		28.
Fluoranthene	ND		ug/kg	97		19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160		17.
4-Bromophenyl phenyl ether	ND		ug/kg	160		25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190		28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180		16.
Hexachlorobutadiene	ND		ug/kg	160		24.
Hexachlorocyclopentadiene	ND		ug/kg	460		150
Hexachloroethane	ND		ug/kg	130		26.
Isophorone	ND		ug/kg	140		21.
Naphthalene	ND		ug/kg	160		20.
Nitrobenzene	ND		ug/kg	140		24.
NDPA/DPA	ND		ug/kg	130		18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160		25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160		56.
Butyl benzyl phthalate	ND		ug/kg	160		41.
Di-n-butylphthalate	ND		ug/kg	160		31.
Di-n-octylphthalate	ND		ug/kg	160		55.
Diethyl phthalate	ND		ug/kg	160		15.
Dimethyl phthalate	ND		ug/kg	160		34.
Benzo(a)anthracene	ND		ug/kg	97		18.
Benzo(a)pyrene	ND		ug/kg	130		40.
Benzo(b)fluoranthene	ND		ug/kg	97		27.



Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000	Report Date:	01/06/25
	Mothed Blank Analysia		

Analytical Method:	1,8270E	Extraction Method:	EPA 3546
Analytical Date:	12/23/24 13:58	Extraction Date:	12/21/24 20:45
Analyst:	EK		

Parameter	Result	Qualifier	Units	RL		MDL
Semivolatile Organics by GC/M	S - Westborough	Lab for s	ample(s):	01-02	Batch:	WG2012280-1
Benzo(k)fluoranthene	ND		ug/kg	97		26.
Chrysene	ND		ug/kg	97		17.
Acenaphthylene	ND		ug/kg	130		25.
Anthracene	ND		ug/kg	97		32.
Benzo(ghi)perylene	ND		ug/kg	130		19.
Fluorene	ND		ug/kg	160		16.
Phenanthrene	ND		ug/kg	97		20.
Dibenzo(a,h)anthracene	ND		ug/kg	97		19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130		23.
Pyrene	ND		ug/kg	97		16.
Biphenyl	ND		ug/kg	370		21.
4-Chloroaniline	ND		ug/kg	160		30.
2-Nitroaniline	ND		ug/kg	160		31.
3-Nitroaniline	ND		ug/kg	160		30.
4-Nitroaniline	ND		ug/kg	160		67.
Dibenzofuran	ND		ug/kg	160		15.
2-Methylnaphthalene	ND		ug/kg	190		20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160		17.
Acetophenone	ND		ug/kg	160		20.
2,4,6-Trichlorophenol	ND		ug/kg	97		31.
p-Chloro-m-cresol	ND		ug/kg	160		24.
2-Chlorophenol	ND		ug/kg	160		19.
2,4-Dichlorophenol	ND		ug/kg	140		26.
2,4-Dimethylphenol	ND		ug/kg	160		54.
2-Nitrophenol	ND		ug/kg	350		61.
4-Nitrophenol	ND		ug/kg	230		66.
2,4-Dinitrophenol	ND		ug/kg	780		76.
4,6-Dinitro-o-cresol	ND		ug/kg	420		78.
Pentachlorophenol	ND		ug/kg	130		36.

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000	Report Date:	01/06/25
	Mothed Plank Analysis		

Analytical Method:	1,8270E	Extraction Method:	EPA 3546
Analytical Date:	12/23/24 13:58	Extraction Date:	12/21/24 20:45
Analyst:	EK		

Parameter	Result	Qualifier	Units	RL		MDL	
Semivolatile Organics by GC/MS -	Westborough	n Lab for s	ample(s):	01-02	Batch:	WG2012280-1	
Phenol	ND		ug/kg	160		24.	
2-Methylphenol	ND		ug/kg	160		25.	_
3-Methylphenol/4-Methylphenol	ND		ug/kg	230		25.	
2,4,5-Trichlorophenol	ND		ug/kg	160		31.	_
Carbazole	ND		ug/kg	160		16.	
Atrazine	ND		ug/kg	130		57.	
Benzaldehyde	ND		ug/kg	210		44.	
Caprolactam	ND		ug/kg	160		49.	
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160		33.	

Surrogate	%Recovery Qualifie	Acceptance er Criteria
2-Fluorophenol	88	25-120
Phenol-d6	90	10-120
Nitrobenzene-d5	91	23-120
2-Fluorobiphenyl	72	30-120
2,4,6-Tribromophenol	69	10-136
4-Terphenyl-d14	83	18-120

Pace

L2474660

01/06/25

Lab Number:

**Report Date:** 

# Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

### Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: Analyst: 144,1633 01/05/25 11:28 ANH Extraction Method:EPA 1633Extraction Date:01/04/25 09:00Cleanup Method:EPA 1633Cleanup Date:01/04/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 16	33 - Mans	field Lab fo	or sample(s):	01-02	Batch: WG2016383-1
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.028
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.038
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.020
1H,1H,2H,2H-Perfluorohexanesulfonic Acic (4:2FTS)	I ND		ng/g	0.800	0.078
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.015
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.026
Perfluoroheptanoic Acid (PFHpA)	0.025	J	ng/g	0.200	0.012
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.020
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.026
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.148
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.045
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.013
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.031
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.035
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	I ND		ng/g	0.800	0.259
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.030
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	D ND		ng/g	0.200	0.086
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.013
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.014
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.010
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.044
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.021
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.016
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.024
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.038
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.030
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.022



L2474660

01/06/25

Lab Number:

**Report Date:** 

## Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

### Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: Analyst: 144,1633 01/05/25 11:28 ANH Extraction Method:EPA 1633Extraction Date:01/04/25 09:00Cleanup Method:EPA 1633Cleanup Date:01/04/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 10	633 - Mansf	ield Lab fo	r sample(s):	01-02	Batch: WG2016383-1
9-Chlorohexadecafluoro-3-Oxanone-1- Sulfonic Acid (9CI-PF3ONS)	ND		ng/g	0.800	0.030
11-Chloroeicosafluoro-3-Oxaundecane-1- Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.040
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.026
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.022
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.122
N-Ethyl Perfluorooctanesulfonamido Ethar (NEtFOSE)	nol ND		ng/g	2.00	0.082
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.017
Perfluoro-4-Methoxybutanoic Acid (PFMB/	A) ND		ng/g	0.400	0.024
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.046
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.082
3-Perfluoropropyl Propanoic Acid (3:3FTC	A) ND		ng/g	1.00	0.092
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.236
3-Perfluoroheptyl Propanoic Acid (7:3FTC	A) ND		ng/g	5.00	0.366



Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660	
Project Number:	081639.000-0003000	Report Date:	01/06/25	

Analytical Method:	
Analytical Date:	
Analyst:	

144,1633 01/05/25 11:28 ANH Extraction Method:EPA 1633Extraction Date:01/04/25 09:00Cleanup Method:EPA 1633Cleanup Date:01/04/25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA	1633 - Manst	field Lab fo	r sample(s):	01-02	Batch: WG2016383-1

Surrogate	%Recovery	Acceptance Qualifier Criteria
	/intecovery	Qualmer Onteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	94	8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99	35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	106	40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	107	40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85	40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92	40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	99	40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	102	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	93	40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94	40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	100	40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	99	40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78	40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	94	40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	92	40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	95	40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91	40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	86	40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	77	20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	85	40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	91	10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	92	10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	109	20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	114	15-130



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

LCSD LCS %Recovery RPD %Recovery %Recovery Limits RPD Limits Qual Qual Qual Parameter Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2012280-2 WG2012280-3 Acenaphthene 86 90 31-137 5 50 Hexachlorobenzene 71 74 40-140 4 50 50 Bis(2-chloroethyl)ether 81 84 40-140 4 2-Chloronaphthalene 50 75 79 40-140 5 Q 3.3'-Dichlorobenzidine 39 47 40-140 19 50 2.4-Dinitrotoluene 106 107 40-132 1 50 50 2,6-Dinitrotoluene 93 93 40-140 0 Fluoranthene 89 91 40-140 2 50 4-Chlorophenyl phenyl ether 80 40-140 50 75 6 77 40-140 4-Bromophenyl phenyl ether 75 3 50 Bis(2-chloroisopropyl)ether 89 93 40-140 4 50 89 40-117 5 50 Bis(2-chloroethoxy)methane 85 50 Hexachlorobutadiene 70 71 40-140 1 40-140 50 Hexachlorocyclopentadiene 75 78 4 Hexachloroethane 88 90 40-140 2 50 89 93 40-140 50 Isophorone 4 40-140 50 Naphthalene 83 87 5 50 Nitrobenzene 92 98 40-140 6 NDPA/DPA 89 36-157 50 86 3 n-Nitrosodi-n-propylamine 87 92 32-121 50 6 40-140 50 Bis(2-ethylhexyl)phthalate 113 120 6 40-140 Butyl benzyl phthalate 108 113 5 50 Di-n-butylphthalate 101 105 40-140 50 4


Project Name: CAPITAL CENTER PROJ-COVER SOIL

**Project Number:** 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

LCSD LCS %Recovery RPD %Recovery %Recovery Limits RPD Limits Qual Qual Qual Parameter Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2012280-2 WG2012280-3 Di-n-octylphthalate 113 116 40-140 3 50 Diethyl phthalate 88 90 40-140 2 50 Dimethyl phthalate 80 50 80 40-140 0 Benzo(a)anthracene 50 86 90 40-140 5 Benzo(a)pyrene 93 100 40-140 7 50 Benzo(b)fluoranthene 82 86 40-140 5 50 Benzo(k)fluoranthene 50 96 101 40-140 5 50 Chrysene 86 91 40-140 6 90 40-140 50 Acenaphthylene 86 5 Anthracene 92 94 40-140 50 2 Benzo(ghi)perylene 93 97 40-140 4 50 40-140 50 Fluorene 85 89 5 40-140 50 Phenanthrene 87 91 4 93 40-140 50 Dibenzo(a,h)anthracene 89 4 Indeno(1,2,3-cd)pyrene 89 92 40-140 3 50 87 89 35-142 2 50 Pyrene 37-127 50 Biphenyl 84 86 2 4-Chloroaniline 50 76 79 40-140 4 2-Nitroaniline 108 47-134 2 50 106 3-Nitroaniline 46 56 26-129 50 20 4-Nitroaniline 97 41-125 50 103 6 Dibenzofuran 40-140 50 82 86 5 2-Methylnaphthalene 76 80 40-140 5 50



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

LCS LCSD %Recovery RPD %Recovery %Recovery Limits RPD Limits Qual Qual Qual Parameter Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG2012280-2 WG2012280-3 1.2.4.5-Tetrachlorobenzene 74 72 40-117 3 50 Acetophenone 91 94 14-144 3 50 2,4,6-Trichlorophenol 30-130 50 81 84 4 p-Chloro-m-cresol 101 104 Q 26-103 50 3 2-Chlorophenol 25-102 89 93 4 50 2,4-Dichlorophenol 84 90 30-130 7 50 2,4-Dimethylphenol 112 30-130 50 106 6 2-Nitrophenol 50 102 108 30-130 6 4-Nitrophenol 129 Q 132 Q 11-114 2 50 101 4-130 50 2,4-Dinitrophenol 96 5 110 112 10-130 2 50 4,6-Dinitro-o-cresol 74 17-109 1 50 Pentachlorophenol 73 Phenol 92 Q 97 Q 26-90 5 50 2-Methylphenol 94 98 30-130. 50 4 3-Methylphenol/4-Methylphenol 97 103 30-130 6 50 2,4,5-Trichlorophenol 83 84 30-130 50 1 Carbazole 94 96 54-128 50 2 97 40-140 50 Atrazine 94 3 Benzaldehyde 80 82 40-140 2 50 Caprolactam 115 119 15-130 3 50 2,3,4,6-Tetrachlorophenol 91 92 40-140 50 1



Project Name: CAPITAL CENTER PROJ-COVER	SOIL
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Project Number: 081639.000-0003000

Parameter	LCS %Recovery	Qual %	LCSD Qual %Recovery		%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westbo	rough Lab Assoc	ciated sample(	(s): 01-02 Ba	atch: WG	2012280-2 V	NG2012280-3		

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria
2-Fluorophenol	99	99	25-120
Phenol-d6	97	100	10-120
Nitrobenzene-d5	102	104	23-120
2-Fluorobiphenyl	79	79	30-120
2,4,6-Tribromophenol	80	80	10-136
4-Terphenyl-d14	89	88	18-120



Project Name: CAPITAL CENTER PROJ-COVER SOIL

**Project Number:** 081639.000-0003000

Parameter	Low Level LCS %Recovery	Qual	Low Le LCS %Reco	evel D very	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Perfluorinated Alkyl Acids by EPA 1633 -	· Mansfield Lab	Associated	sample(s):	01-02	Batch:	WG2016383-2	LOW LEVEL			
Perfluorobutanoic Acid (PFBA)	105		-			70-140	-		30	
Perfluoropentanoic Acid (PFPeA)	101		-			60-150	-		30	
Perfluorobutanesulfonic Acid (PFBS)	95		-			65-145	-		30	
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	108		-			60-150	-		30	
Perfluorohexanoic Acid (PFHxA)	113		-			65-140	-		30	
Perfluoropentanesulfonic Acid (PFPeS)	107		-			55-160	-		30	
Perfluoroheptanoic Acid (PFHpA)	110		-			65-145	-		30	
Perfluorohexanesulfonic Acid (PFHxS)	99		-			60-150	-		30	
Perfluorooctanoic Acid (PFOA)	97		-			70-150	-		30	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	96		-			55-200	-		30	
Perfluoroheptanesulfonic Acid (PFHpS)	111		-			65-155	-		30	
Perfluorononanoic Acid (PFNA)	96		-			70-155	-		30	
Perfluorooctanesulfonic Acid (PFOS)	94		-			65-160	-		30	
Perfluorodecanoic Acid (PFDA)	102		-			70-155	-		30	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		-			70-150	-		30	
Perfluorononanesulfonic Acid (PFNS)	98		-			55-140	-		30	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-			65-155	-		30	
Perfluoroundecanoic Acid (PFUnA)	104		-			70-155	-		30	
Perfluorodecanesulfonic Acid (PFDS)	89		-			40-155	-		30	
Perfluorooctanesulfonamide (PFOSA)	94		-			70-140	-		30	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		-			65-165	-		30	



Project Name:	CAPITAL CENTER PROJ-COVER SOIL
r rojeot nume.	

Project Number: 081639.000-0003000

Parameter	Low Level LCS %Recovery	Qual	Low Le LCS %Reco	evel D very	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Perfluorinated Alkyl Acids by EPA 1633 -	Mansfield Lab	Associated	l sample(s):	01-02	Batch:	WG2016383-2	LOW LEVEL			
Perfluorododecanoic Acid (PFDoA)	108		-			70-150	-		30	
Perfluorotridecanoic Acid (PFTrDA)	106		-			65-150	-		30	
Perfluorotetradecanoic Acid (PFTeDA)	103		-			65-150	-		30	
Hexafluoropropylene Oxide Dimer Acid	97		-			70-145	-		30	
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	94		-			70-160	-		30	
Perfluorododecanesulfonic Acid (PEDoS)	86		-			25-160	-		30	
9-Chlorohexadecafluoro-3-Oxanone- 1-Sulfonic Acid (9CI-PE3ONS)	130		-			70-150	-		30	
11-Chloroeicosafluoro-3- Oxaundecane-1-Sulfonic Acid (11Cl- PE30LIdS)	117		-			45-160	-		30	
N-Methyl Perfluorooctane Sulfonamide (NMeEQSA)	96		-			70-155	-		30	
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	94		-			70-140	-		30	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	101		-			70-140	-		30	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	106		-			70-135	-		30	
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	92		-			30-140	-		30	
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	89		-			60-150	-		30	
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PEESA)	102		-			70-140	-		30	
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	119		-			60-155	-		30	
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	110		-			45-130	-		30	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	104		-			60-130	-		30	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	113		-			60-150	-		30	



## Lab Control Sample Analysis

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Batch Quality Control	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25

	Low Level	Low Level							
	LCS		LCSD		%Recovery			RPD	
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits	
Perfluorinated Alkyl Acids by EPA 163	33 - Mansfield Lab A	Associated	sample(s): $01-02$	Batch:	WG2016383-2	LOW LEVEL			

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	96				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	101				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	101				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	97				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	97				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	101				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	98				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	106				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	97				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	103				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	101				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	97				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	102				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	88				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	77				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	85				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	99				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	100				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	120				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	125				15-130



Project Name: CAPITAL CENTER PROJ-COVER SOIL

**Project Number:** 081639.000-0003000

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	
Perfluorinated Alkyl Acids by EPA 16	33 - Mansfield Lab	Associated	sample(s): 01-02	Batch:	WG2016383-3				
Perfluorobutanoic Acid (PFBA)	116		-		70-140	-		30	
Perfluoropentanoic Acid (PFPeA)	115		-		60-150	-		30	
Perfluorobutanesulfonic Acid (PFBS)	107		-		65-145	-		30	
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	108		-		60-150	-		30	
Perfluorohexanoic Acid (PFHxA)	115		-		65-140	-		30	
Perfluoropentanesulfonic Acid (PFPeS)	121		-		55-160	-		30	
Perfluoroheptanoic Acid (PFHpA)	109		-		65-145	-		30	
Perfluorohexanesulfonic Acid (PFHxS)	105		-		60-150	-		30	
Perfluorooctanoic Acid (PFOA)	104		-		70-150	-		30	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	114		-		55-200	-		30	
Perfluoroheptanesulfonic Acid (PFHpS)	118		-		65-155	-		30	
Perfluorononanoic Acid (PFNA)	116		-		70-155	-		30	
Perfluorooctanesulfonic Acid (PFOS)	107		-		65-160	-		30	
Perfluorodecanoic Acid (PFDA)	117		-		70-155	-		30	
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		70-150	-		30	
Perfluorononanesulfonic Acid (PFNS)	106		-		55-140	-		30	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	121		-		65-155	-		30	
Perfluoroundecanoic Acid (PFUnA)	113		-		70-155	-		30	
Perfluorodecanesulfonic Acid (PFDS)	98		-		40-155	-		30	
Perfluorooctanesulfonamide (PFOSA)	105		-		70-140	-		30	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	125		-		65-165	-		30	0



Project Name: CAPITAL CENTER PROJ-COVER SOIL

**Project Number:** 081639.000-0003000

	LCS		LCS	D		%Recovery			RPD	
Parameter	%Recovery	Qual	%Reco	very	Qual	Limits	RPD	Qual	Limits	
Perfluorinated Alkyl Acids by EPA 1633 -	Mansfield Lab	Associated	sample(s):	01-02	Batch:	WG2016383-3				
Perfluorododecanoic Acid (PFDoA)	118		-			70-150	-		30	
Perfluorotridecanoic Acid (PFTrDA)	120		-			65-150	-		30	
Perfluorotetradecanoic Acid (PFTeDA)	113		-			65-150	-		30	
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	115		-			70-145	-		30	
4,8-Dioxa-3h-Perfluorononanoic Acid	103		-			70-160	-		30	
Perfluorododecanesulfonic Acid (PFDoS)	90		-			25-160	-		30	
9-Chlorohexadecafluoro-3-Oxanone- 1-Sulfonic Acid (9CI-PF3ONS)	138		-			70-150	-		30	
11-Chloroeicosafluoro-3- Oxaundecane-1-Sulfonic Acid (11Cl- PF3OUdS)	130		-			45-160	-		30	
N-Methyl Perfluorooctane Sulfonamide (NMeEOSA)	98		-			70-155	-		30	
N-Ethyl Perfluorooctane Sulfonamide	100		-			70-140	-		30	
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	113		-			70-140	-		30	
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtEQSE)	123		-			70-135	-		30	
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	106		-			30-140	-		30	
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	103		-			60-150	-		30	
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PEESA)	107		-			70-140	-		30	
Nonafluoro-3,6-Dioxaheptanoic Acid (NEDHA)	123		-			60-155	-		30	
3-Perfluoropropyl Propanoic Acid	142	Q	-			45-130	-		30	
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	114		-			60-130	-		30	
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	106		-			60-150	-		30	



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

 LCS
 LCSD
 %Recovery
 RPD

 Parameter
 %Recovery
 Qual
 %Recovery
 Qual
 Limits
 RPD
 Qual
 Limits

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Gunoguto	///////////////////////////////////////	quui	<i>/////////////////////////////////////</i>	quui	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	92				8-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	100				35-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	102				40-135
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	99				40-165
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				40-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				40-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	95				40-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	108				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	94				40-215
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90				40-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	98				40-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	97				40-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	74				40-275
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	97				40-135
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	92				40-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	99				40-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85				40-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	78				40-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	71				20-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	85				40-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	93				10-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	93				10-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	116				20-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	118				15-130



## PCBS



			Serial_No:	01062519:48
Project Name:	CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-01		Date Collected:	12/18/24 09:55
Client ID:	SOIL-TP-1		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	12/22/24 00:04
Analytical Date:	12/23/24 10:29		Cleanup Method:	EPA 3665A
Analyst:	MHG		Cleanup Date:	12/22/24
Percent Solids:	82%		Cleanup Method:	EPA 3660B
			Cleanup Date:	12/23/24

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - West	orough Lab						
Aroclor 1016	ND		ug/kg	55.6	4.94	1	А
Aroclor 1221	ND		ug/kg	55.6	5.57	1	А
Aroclor 1232	ND		ug/kg	55.6	11.8	1	А
Aroclor 1242	ND		ug/kg	55.6	7.49	1	А
Aroclor 1248	ND		ug/kg	55.6	8.34	1	А
Aroclor 1254	7.39	JP	ug/kg	55.6	6.08	1	А
Aroclor 1260	ND		ug/kg	55.6	10.3	1	А
Aroclor 1262	ND		ug/kg	55.6	7.06	1	А
Aroclor 1268	ND		ug/kg	55.6	5.76	1	А
PCBs, Total	7.39	J	ug/kg	55.6	4.94	1	А

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	А
Decachlorobiphenyl	58		30-150	А
2,4,5,6-Tetrachloro-m-xylene	62		30-150	В
Decachlorobiphenyl	63		30-150	В

Pace

			Serial_No:	01062519:48
Project Name:	CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-02		Date Collected:	12/18/24 10:40
Client ID:	SOIL-TP-2		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8082A		Extraction Date:	12/22/24 00:04
Analytical Date:	12/23/24 10:40		Cleanup Method:	EPA 3665A
Analyst:	MHG		Cleanup Date:	12/22/24
Percent Solids:	77%		Cleanup Method:	EPA 3660B
			Cleanup Date:	12/23/24

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Polychlorinated Biphenyls by GC - Wes	tborough Lab						
Aroclor 1016	ND		ug/kg	60.0	5.33	1	А
Aroclor 1221	ND		ug/kg	60.0	6.01	1	А
Aroclor 1232	ND		ug/kg	60.0	12.7	1	А
Aroclor 1242	ND		ug/kg	60.0	8.09	1	А
Aroclor 1248	ND		ug/kg	60.0	9.00	1	А
Aroclor 1254	10.8	JP	ug/kg	60.0	6.56	1	А
Aroclor 1260	24.5	J	ug/kg	60.0	11.1	1	В
Aroclor 1262	ND		ug/kg	60.0	7.62	1	А
Aroclor 1268	ND		ug/kg	60.0	6.22	1	А
PCBs, Total	35.3	J	ug/kg	60.0	5.33	1	В

Surrogate	% Recovery	Qualifier	Acceptance alifier Criteria Co		
	/1 (COUVERY	Quanter	Ontenia		
2,4,5,6-Tetrachloro-m-xylene	57		30-150	А	
Decachlorobiphenyl	54		30-150	А	
2,4,5,6-Tetrachloro-m-xylene	59		30-150	В	
Decachlorobiphenyl	59		30-150	В	

Pace

L2474660

01/06/25

Lab Number:

**Report Date:** 

Project Name:	CAPITAL CENTER PROJ-COVER SOIL
Project Number:	081639.000-0003000

1,8082A

MHG

12/23/24 06:40

Analytical Method:

Analytical Date:

Analyst:

# Extraction Method:EPA 3546Extraction Date:12/21/24 23:00Cleanup Method:EPA 3665ACleanup Date:12/22/24Cleanup Method:EPA 3660BCleanup Date:12/23/24

Parameter	Result	Qualifier	Units	RL		MDL	Column
Polychlorinated Biphenyls by GC -	Westborough	Lab for s	ample(s):	01-02	Batch:	WG201	2291-1
Aroclor 1016	ND		ug/kg	49.3		4.37	А
Aroclor 1221	ND		ug/kg	49.3		4.94	А
Aroclor 1232	ND		ug/kg	49.3		10.4	А
Aroclor 1242	ND		ug/kg	49.3		6.64	А
Aroclor 1248	ND		ug/kg	49.3		7.39	А
Aroclor 1254	ND		ug/kg	49.3		5.39	А
Aroclor 1260	ND		ug/kg	49.3		9.10	А
Aroclor 1262	ND		ug/kg	49.3		6.26	А
Aroclor 1268	ND		ug/kg	49.3		5.10	А
PCBs, Total	ND		ug/kg	49.3		4.37	А

Method Blank Analysis Batch Quality Control

			Acceptance		
Surrogate	%Recovery	Qualifier	Criteria	Column	
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A	
Decachlorobiphenyl	83		30-150	А	
2,4,5,6-Tetrachloro-m-xylene	83		30-150	В	
Decachlorobiphenyl	84		30-150	В	

Project Name: CAPITAL CENTER PROJ-COVER SOIL

**Project Number:** 081639.000-0003000

	LCS		LCSD		%Recovery			RPD	
Parameter	%Recovery	Qual	%Recovery	Qual	Limits	RPD	Qual	Limits	Column
					-				
Polychlorinated Biphenyls by GC - Westb	orough Lab Ass	sociated sample	e(s): 01-02	Batch: W	/G2012291-2	WG2012291-3			
Aroclor 1016	81		88		40-140	8		50	A
Aroclor 1260	86		90		40-140	5		50	А

	LCS	LCSD	Acceptance Critoria
Surrogate	%Recovery Qua	i %Recovery Quai	Cinteria Columni
2,4,5,6-Tetrachloro-m-xylene	81	85	30-150 A
Decachlorobiphenyl	82	85	30-150 A
2,4,5,6-Tetrachloro-m-xylene	86	85	30-150 B
Decachlorobiphenyl	84	82	30-150 B

Pace

## PESTICIDES



			Serial_No:	01062519:48
Project Name:	CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-01		Date Collected:	12/18/24 09:55
Client ID:	SOIL-TP-1		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	12/22/24 00:44
Analytical Date:	12/26/24 11:14		Cleanup Method:	EPA 3620B
Analyst:	JAG		Cleanup Date:	12/23/24
Percent Solids:	82%		Cleanup Method:	EPA 3660B
			Cleanup Date:	12/23/24

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC -	Westborough Lab						
Delta-BHC	ND		ug/kg	1.87	0.367	1	А
Lindane	ND		ug/kg	0.780	0.349	1	А
Alpha-BHC	ND		ug/kg	0.780	0.222	1	А
Beta-BHC	ND		ug/kg	1.87	0.710	1	А
Heptachlor	ND		ug/kg	0.936	0.420	1	А
Aldrin	ND		ug/kg	1.87	0.659	1	А
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	А
Endrin	ND		ug/kg	0.780	0.320	1	А
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	А
Endrin ketone	ND		ug/kg	1.87	0.482	1	А
Dieldrin	ND		ug/kg	1.17	0.585	1	А
4,4'-DDE	11.6		ug/kg	1.87	0.433	1	В
4,4'-DDD	2.05		ug/kg	1.87	0.668	1	А
4,4'-DDT	2.39		ug/kg	1.87	1.51	1	В
Endosulfan I	ND		ug/kg	1.87	0.442	1	А
Endosulfan II	ND		ug/kg	1.87	0.626	1	А
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	А
Methoxychlor	ND		ug/kg	3.51	1.09	1	А
Toxaphene	ND		ug/kg	35.1	9.83	1	А
cis-Chlordane	1.47	JIP	ug/kg	2.34	0.652	1	В
trans-Chlordane	2.72	IP	ug/kg	2.34	0.618	1	А
Chlordane	ND		ug/kg	15.6	6.20	1	А

Sample Depth:								
Sample Location:	ALBANY, NY				Field Pr	ep:	Not Specified	
Client ID:	SOIL-TP-1				Date Re	eceived:	12/18/24	
Lab ID:	L2474660-01				Date Co	ollected:	12/18/24 09:55	
		SAMP	LE RESULTS	6				
Project Number:	081639.000-0003000			Repor	t Date:	01/06/25		
Project Name:	CAPITAL CENTER PRO	OJ-COVER	SOIL		Lab N	umber:	L2474660	
						Serial_No	01062519:48	

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	А
Decachlorobiphenyl	49		30-150	А
2,4,5,6-Tetrachloro-m-xylene	78		30-150	В
Decachlorobiphenyl	70		30-150	В



			Serial_No:	01062519:48
Project Name:	CAPITAL CENTER PROJ	-COVER SOIL	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25
		SAMPLE RESULTS		
Lab ID:	L2474660-02		Date Collected:	12/18/24 10:40
Client ID:	SOIL-TP-2		Date Received:	12/18/24
Sample Location:	ALBANY, NY		Field Prep:	Not Specified
Sample Depth:				
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8081B		Extraction Date:	12/22/24 00:44
Analytical Date:	12/26/24 11:26		Cleanup Method:	EPA 3620B
Analyst:	JAG		Cleanup Date:	12/23/24
Percent Solids:	77%		Cleanup Method:	EPA 3660B
			Cleanup Date:	12/23/24

Parameter	Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pesticides by GC - W	estborough Lab						
Delta-BHC	ND		ug/kg	2.03	0.397	1	А
Lindane	ND		ug/kg	0.845	0.378	1	А
Alpha-BHC	ND		ug/kg	0.845	0.240	1	А
Beta-BHC	ND		ug/kg	2.03	0.769	1	А
Heptachlor	ND		ug/kg	1.01	0.454	1	А
Aldrin	ND		ug/kg	2.03	0.714	1	А
Heptachlor epoxide	ND		ug/kg	3.80	1.14	1	А
Endrin	ND		ug/kg	0.845	0.346	1	А
Endrin aldehyde	ND		ug/kg	2.53	0.887	1	А
Endrin ketone	ND		ug/kg	2.03	0.522	1	А
Dieldrin	ND		ug/kg	1.27	0.634	1	А
4,4'-DDE	8.76		ug/kg	2.03	0.469	1	А
4,4'-DDD	1.29	J	ug/kg	2.03	0.723	1	А
4,4'-DDT	2.15		ug/kg	2.03	1.63	1	В
Endosulfan I	ND		ug/kg	2.03	0.479	1	А
Endosulfan II	ND		ug/kg	2.03	0.678	1	А
Endosulfan sulfate	ND		ug/kg	0.845	0.402	1	А
Methoxychlor	ND		ug/kg	3.80	1.18	1	А
Toxaphene	ND		ug/kg	38.0	10.6	1	А
cis-Chlordane	2.27	J	ug/kg	2.53	0.706	1	А
trans-Chlordane	3.62	IP	ug/kg	2.53	0.669	1	А
Chlordane	24.4		ug/kg	16.9	6.72	1	А

Froject Number.	001039.000-0003000	SVWD		2	Кероі		01/06/25	
		SAWIFI		)				
Lab ID:	L2474660-02				Date Co	llected:	12/18/24 10:40	
Client ID:	SOIL-TP-2				Date Re	eceived:	12/18/24	
Sample Location:	ALBANY, NY				Field Pr	ep:	Not Specified	
Sample Depth:								
Parameter		Result	Qualifier	Units	RL	MDL	<b>Dilution Factor</b>	Column
Organochlorine Pe	esticides by GC - Westbord	ough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	А
Decachlorobiphenyl	56		30-150	А
2,4,5,6-Tetrachloro-m-xylene	83		30-150	В
Decachlorobiphenyl	71		30-150	В



Project Name:	CAPITAL CENTER PROJ-COVER SOIL
Project Number:	081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

## Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: Analyst: 1,8081B 12/23/24 12:20 AKM Extraction Method:EPA 3546Extraction Date:12/21/24 03:26Cleanup Method:EPA 3620BCleanup Date:12/22/24Cleanup Method:EPA 3660BCleanup Date:12/22/24

Parameter	Result	Qualifier	Units	RL		MDL	Column
Organochlorine Pesticides by GC -	· Westboroug	h Lab for s	sample(s):	01-02	Batch:	WG20	12091-1
Delta-BHC	ND		ug/kg	1.51		0.295	А
Lindane	ND		ug/kg	0.628		0.281	А
Alpha-BHC	ND		ug/kg	0.628		0.178	А
Beta-BHC	ND		ug/kg	1.51		0.571	А
Heptachlor	ND		ug/kg	0.753		0.338	А
Aldrin	ND		ug/kg	1.51		0.530	А
Heptachlor epoxide	ND		ug/kg	2.82		0.847	А
Endrin	ND		ug/kg	0.628		0.257	А
Endrin aldehyde	ND		ug/kg	1.88		0.659	А
Endrin ketone	ND		ug/kg	1.51		0.388	А
Dieldrin	ND		ug/kg	0.942		0.471	А
4,4'-DDE	ND		ug/kg	1.51		0.348	А
4,4'-DDD	ND		ug/kg	1.51		0.537	А
4,4'-DDT	ND		ug/kg	1.51		1.21	А
Endosulfan I	ND		ug/kg	1.51		0.356	А
Endosulfan II	ND		ug/kg	1.51		0.503	А
Endosulfan sulfate	ND		ug/kg	0.628		0.299	А
Methoxychlor	ND		ug/kg	2.82		0.879	А
Toxaphene	ND		ug/kg	28.2		7.91	А
cis-Chlordane	ND		ug/kg	1.88		0.525	А
trans-Chlordane	ND		ug/kg	1.88		0.497	А
Chlordane	ND		ug/kg	12.6		4.99	А



Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660	
Project Number:	081639.000-0003000	Report Date:	01/06/25	
Method Blank Analysis				

#### Method Blank Analysis Batch Quality Control

Analytical Method:	1,8081B	
Analytical Date:	12/23/24 12:20	
Analyst:	AKM	

Extraction Method:	EPA 3546
Extraction Date:	12/21/24 03:26
Cleanup Method:	EPA 3620B
Cleanup Date:	12/22/24
Cleanup Method:	EPA 3660B
Cleanup Date:	12/22/24

Parameter	Result	Qualifier	Units	RL		MDL	Column
Organochlorine Pesticides by GC	- Westboro	ugh Lab for s	sample(s):	01-02	Batch:	WG20	12091-1

	Acceptance							
Surrogate	%Recovery	Qualifier	Criteria	Column				
2.4.5.6-Tetrachloro-m-xylene	37		30-150	А				
Decachlorobiphenyl	54		30-150	A				
2,4,5,6-Tetrachloro-m-xylene	50		30-150	В				
Decachlorobiphenyl	62		30-150	В				



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

LCSD LCS %Recovery RPD %Recovery Limits %Recovery Limits RPD Column Qual Qual Qual Parameter Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG2012091-2 WG2012091-3 Delta-BHC 54 53 30-150 2 30 А Lindane 51 51 30-150 0 30 А Alpha-BHC 30-150 30 53 54 2 А Beta-BHC 30-150 30 64 64 0 А Heptachlor 30-150 47 48 2 30 А Aldrin 50 51 30-150 2 30 А Heptachlor epoxide 42 44 30-150 30 А 5 30 А Endrin 55 55 30-150 0 Endrin aldehyde 43 41 30-150 5 30 А 59 57 30-150 3 30 А Endrin ketone Dieldrin 56 55 30-150 2 30 А 4,4'-DDE 48 50 30-150 4 30 А 4,4'-DDD 30-150 2 30 А 60 61 4,4'-DDT 58 30-150 30 А 58 0 Endosulfan I 50 48 30-150 4 30 А Endosulfan II 55 54 30-150 2 30 А Endosulfan sulfate 49 30-150 30 А 52 6 30 А Methoxychlor 65 62 30-150 5 cis-Chlordane 58 30-150 4 30 А 56 trans-Chlordane 55 56 30-150 2 30 А



Project Name:	CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

Parameter	LCS %Recovery Qı	LC: ual %Rec	SD overy Qua	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westb	orough Lab Associa	ated sample(s):	01-02 Batch:	WG2012091-2	WG2012091-3		

Surrogate	LCS %Recovery Qual	LCSD %Recovery Qual	Acceptance Criteria Column
2,4,5,6-Tetrachloro-m-xylene	39	38	30-150 A
Decachlorobiphenyl	52	51	30-150 A
2,4,5,6-Tetrachloro-m-xylene	54	52	30-150 B
Decachlorobiphenyl	63	61	30-150 B

Pace

## METALS



Serial\_No:01062519:48

Not Specified

Field Prep:

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660						
Project Number:	081639.000-0003000	Report Date:	01/06/25						
SAMPLE RESULTS									
Lab ID:	L2474660-01	Date Collected:	12/18/24 09:55						
Client ID:	SOIL-TP-1	Date Received:	12/18/24						

Matrix: Percent Solids:	Soil 82%					Dilution	Date	Date	Pron	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mans	field Lab										
Aluminum, Total	8980		mg/kg	9.16	2.47	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.58	0.348	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Arsenic, Total	7.29		mg/kg	0.916	0.190	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Barium, Total	72.3		mg/kg	0.916	0.159	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.458		mg/kg	0.458	0.030	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.916	0.090	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Calcium, Total	14500		mg/kg	9.16	3.21	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Chromium, Total	11.9		mg/kg	0.916	0.088	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Cobalt, Total	7.33		mg/kg	1.83	0.152	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Copper, Total	22.5		mg/kg	0.916	0.236	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Iron, Total	18800		mg/kg	4.58	0.827	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Lead, Total	28.1		mg/kg	4.58	0.246	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Magnesium, Total	4060		mg/kg	9.16	1.41	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Manganese, Total	827		mg/kg	0.916	0.146	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.100	0.065	1	12/28/24 20:10	12/30/24 08:12	EPA 7471B	1,7471B	JWN
Nickel, Total	15.1		mg/kg	2.29	0.222	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Potassium, Total	629		mg/kg	229	13.2	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.83	0.236	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.458	0.259	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Sodium, Total	70.3	J	mg/kg	183	2.88	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Thallium, Total	ND		mg/kg	1.83	0.288	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Vanadium, Total	16.0		mg/kg	0.916	0.186	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA
Zinc, Total	64.0		mg/kg	4.58	0.268	2	12/28/24 19:58	12/29/24 16:59	EPA 3050B	1,6010D	TAA

Pace

Sample Location: ALBANY, NY

Sample Depth:

Serial\_No:01062519:48

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Number:	L2474660						
Project Number:	081639.000-0003000	Report Date:	01/06/25						
SAMPLE RESULTS									
Lab ID:	L2474660-02	Date Collected:	12/18/24 10:40						
Client ID:	SOIL-TP-2	Date Received:	12/18/24						
Sample Location:	ALBANY, NY	Field Prep:	Not Specified						

## Sample Depth:

Matrix: Percent Solids: Soil

Percent Solids:	77%					Dilution	Data	Data	Bron	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7660		mg/kg	10.2	2.75	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	5.09	0.387	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Arsenic, Total	5.58		mg/kg	1.02	0.212	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Barium, Total	71.6		mg/kg	1.02	0.177	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.391	J	mg/kg	0.509	0.034	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.179	J	mg/kg	1.02	0.100	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Calcium, Total	7270		mg/kg	10.2	3.56	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Chromium, Total	10.4		mg/kg	1.02	0.098	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Cobalt, Total	6.03		mg/kg	2.04	0.169	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Copper, Total	21.0		mg/kg	1.02	0.262	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Iron, Total	16300		mg/kg	5.09	0.919	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Lead, Total	33.1		mg/kg	5.09	0.273	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Magnesium, Total	3370		mg/kg	10.2	1.57	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Manganese, Total	730		mg/kg	1.02	0.162	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.100	0.065	1	12/28/24 20:10	12/30/24 08:22	EPA 7471B	1,7471B	JWN
Nickel, Total	17.6		mg/kg	2.54	0.246	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Potassium, Total	665		mg/kg	254	14.6	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	2.04	0.262	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.509	0.288	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Sodium, Total	29.9	J	mg/kg	204	3.21	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Thallium, Total	ND		mg/kg	2.04	0.321	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Vanadium, Total	13.1		mg/kg	1.02	0.207	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA
Zinc, Total	64.1		mg/kg	5.09	0.298	2	12/28/24 19:58	12/29/24 17:03	EPA 3050B	1,6010D	TAA

Pace

## Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

## Method Blank Analysis Batch Quality Control

Parameter	Result Qu	alifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield	Lab for sam	ple(s):	01-02 E	Batch: Wo	G20144(	01-1				
Aluminum, Total	ND		mg/kg	4.00	1.08	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Antimony, Total	ND		mg/kg	2.00	0.152	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Arsenic, Total	ND		mg/kg	0.400	0.083	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Barium, Total	ND		mg/kg	0.400	0.070	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Beryllium, Total	ND		mg/kg	0.200	0.013	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.400	0.039	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Calcium, Total	ND		mg/kg	4.00	1.40	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Chromium, Total	ND		mg/kg	0.400	0.038	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Cobalt, Total	ND		mg/kg	0.800	0.066	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Copper, Total	ND		mg/kg	0.400	0.103	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Iron, Total	0.751	J	mg/kg	2.00	0.361	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Lead, Total	ND		mg/kg	2.00	0.107	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Magnesium, Total	ND		mg/kg	4.00	0.616	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Manganese, Total	ND		mg/kg	0.400	0.064	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Nickel, Total	ND		mg/kg	1.00	0.097	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Potassium, Total	ND		mg/kg	100	5.76	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Selenium, Total	ND		mg/kg	0.800	0.103	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Silver, Total	ND		mg/kg	0.200	0.113	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Sodium, Total	ND		mg/kg	80.0	1.26	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Thallium, Total	ND		mg/kg	0.800	0.126	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Vanadium, Total	ND		mg/kg	0.400	0.081	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA
Zinc, Total	ND		mg/kg	2.00	0.117	1	12/28/24 19:58	12/29/24 16:00	1,6010D	TAA

#### **Prep Information**

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG2014405-1										
Mercury, Total	ND	mg/kg	0.083	0.054	1	12/28/24 20:10	12/30/24 07:42	1,7471B	JWN	

Pace

Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

## Method Blank Analysis Batch Quality Control

### **Prep Information**

Digestion Method: EPA 7471B



Project Name: CAPITAL CENTER PROJ-COVER SOIL

Project Number: 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

LCS LCSD %Recovery Limits **RPD** Limits %Recovery Qual %Recovery RPD Parameter Qual Qual Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG2014401-2 Aluminum, Total 99 80-120 --Antimony, Total 99 80-120 --80-120 Arsenic, Total 95 --80-120 Barium, Total 99 --Beryllium, Total 102 80-120 --Cadmium, Total 97 80-120 --Calcium, Total 80-120 101 -Chromium, Total 80-120 98 --Cobalt. Total 80-120 99 --Copper, Total 80-120 100 --80-120 Iron, Total 106 --80-120 Lead, Total 99 --Magnesium, Total 98 80-120 --Manganese, Total 102 80-120 -Nickel, Total 100 80-120 --Potassium, Total 103 80-120 --Selenium, Total 80-120 95 --Silver, Total 80-120 96 --Sodium, Total 80-120 104 --Thallium, Total 97 80-120 --Vanadium, Total 100 80-120 --



## Lab Control Sample Analysis

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Batch Quality Control	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sam	ple(s): 01-02	Batch: WG2014401-2			
Zinc, Total	99	· ·	80-120	-	
Total Metals - Mansfield Lab Associated sam	ple(s): 01-02	Batch: WG2014405-2			
Mercury, Total	95	· ·	80-120	-	



## Matrix Spike Analysis Batch Quality Control

Project Name:	CAPITAL CENTER PROJ-COVER SOIL	
r roject Name.	CAFITAL CLINTER FROJ-COVER SOIL	

Project Number: 081639.000-0003000

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery Qu	Recovery al Limits	RPD	RPD <u>Qual</u> Limits
Total Metals - Mansfield L	ab Associated sar	mple(s): 01-02	2 QC Bat	tch ID: WG201	4401-3	QC San	nple: L2474639-01	Client ID: MS	S Sample	Э
Aluminum, Total	17500	204	19800	1130	Q	-	-	75-125	-	20
Antimony, Total	0.576J	50.9	39.9	78		-	-	75-125	-	20
Arsenic, Total	8.20	12.2	19.8	95		-	-	75-125	-	20
Barium, Total	132	204	334	99		-	-	75-125	-	20
Beryllium, Total	1.01	5.09	5.55	89		-	-	75-125	-	20
Cadmium, Total	ND	5.39	4.07	75		-	-	75-125	-	20
Calcium, Total	16500	1020	15900	0	Q	-	-	75-125	-	20
Chromium, Total	18.5	20.4	36.3	87		-	-	75-125	-	20
Cobalt, Total	15.5	50.9	58.4	84		-	-	75-125	-	20
Copper, Total	27.4	25.4	52.0	97		-	-	75-125	-	20
Iron, Total	31600	102	33200	1570	Q	-	-	75-125	-	20
Lead, Total	14.4	53.9	63.4	91		-	-	75-125	-	20
Magnesium, Total	8880	1020	10200	130	Q	-	-	75-125	-	20
Manganese, Total	615	50.9	741	248	Q	-	-	75-125	-	20
Nickel, Total	29.2	50.9	72.0	84		-	-	75-125	-	20
Potassium, Total	1630	1020	2920	127	Q	-	-	75-125	-	20
Selenium, Total	ND	12.2	9.72	80		-	-	75-125	-	20
Silver, Total	ND	5.09	4.40	86		-	-	75-125	-	20
Sodium, Total	239	1020	1240	98		-	-	75-125	-	20
Thallium, Total	ND	12.2	10.5	86		-	-	75-125	-	20
Vanadium, Total	27.7	50.9	72.4	88		-	-	75-125	-	20



## Project Name:CAPITAL CENTER PROJ-COVER SOILMatrix Spike Analysis<br/>Batch Quality ControlLab Number:L2474660Project Number:081639.000-0003000Report Date:01/06/25

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab As	ssociated sam	ple(s): 01-02	QC Bat	tch ID: WG2014401-3	QC San	nple: L2474639-01	Client ID: MS	S Sample	
Zinc, Total	76.1	50.9	120	86	-	-	75-125	-	20
Total Metals - Mansfield Lab As	ssociated sam	ple(s): 01-02	QC Bat	tch ID: WG2014405-3	QC San	nple: L2474639-01	Client ID: MS	S Sample	
Mercury, Total	ND	1.83	1.78	97	-	-	80-120	-	20



## Lab Duplicate Analysis Batch Quality Control

Lab Number: L2474660 Report Date: 01/06/25

Project Name: CAPITAL CENTER PROJ-COVER SOIL Project Number: 081639.000-0003000

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual RP	D Limits
Total Metals - Mansfield Lab Associated sample(s): 01-	02 QC Batch ID: V	WG2014401-4 QC Sample:	L2474639-01	Client ID:	DUP Sample	
Arsenic, Total	8.20	8.46	mg/kg	3		20
Barium, Total	132	135	mg/kg	2		20
Beryllium, Total	1.01	1.06	mg/kg	5		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	18.5	19.1	mg/kg	3		20
Copper, Total	27.4	28.2	mg/kg	3		20
Lead, Total	14.4	14.1	mg/kg	2		20
Manganese, Total	615	588	mg/kg	4		20
Nickel, Total	29.2	30.1	mg/kg	3		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	76.1	77.2	mg/kg	1		20
Total Metals - Mansfield Lab Associated sample(s): 01-	02 QC Batch ID: V	WG2014405-4 QC Sample:	L2474639-01	Client ID:	DUP Sample	
Mercury, Total	ND	ND	mg/kg	NC		20



## Project Name:CAPITAL CENTER PROJ-COVER SOILLab Serial Dilution<br/>AnalysisLab Number:L2474660Project Number:081639.000-000300Batch Quality ControlReport Date:01/06/25

Parameter	Native Sample	Serial Dilution	Units	% D	Qual RI	PD Limits
Total Metals - Mansfield Lab Associated sample(s): 0	01-02 QC Batch ID:	WG2014401-6 QC Sample:	L2474639-01	Client ID:	DUP Sample	
Barium, Total	132	144	mg/kg	9		20
Copper, Total	27.4	28.8	mg/kg	5		20
Manganese, Total	615	694	mg/kg	13		20



## INORGANICS & MISCELLANEOUS



Project Name: Project Number:	CAPITAL CENTER PROJ-COVER SOIL 081639.000-0003000							umber: Li t Date: 0	2474660 1/06/25	
				SAMPLE F	RESUL	TS				
Lab ID: Client ID: Sample Location:	L2474660-0 SOIL-TP-1 ALBANY, N	1 Y					Date C Date R Field P	collected: 1 ecceived: 1 rep: N	2/18/24 09:55 2/18/24 lot Specified	
Sample Depth: Matrix: Parameter	Soil Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
										<u> </u>
General Chemistry - We	stborough Lab	)								
Solids, Total	82.2		%	0.100	NA	1	-	12/24/24 12:36	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.24	1	12/23/24 19:50	12/24/24 11:01	1,9010C/9012B	JER
Project Name: Project Number:	CAPITAL CE 081639.000-	ENTER P -0003000	ROJ-C	OVER SOIL	Lab Nu Report	umber: L: t Date: 0	2474660 1/06/25			
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				SAMPLE F	RESUL	TS				
Lab ID: Client ID: Sample Location:	L2474660-0 SOIL-TP-2 ALBANY, N	2 Y					Date C Date R Field P	collected: 12 deceived: 12 Prep: N	2/18/24 10:40 2/18/24 ot Specified	
Sample Depth: Matrix: Parameter	Soil Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Wes	stborough Lab	)								
Solids, Total	77.0		%	0.100	NA	1	-	12/24/24 12:36	121,2540G	ROI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	12/23/24 19:50	12/24/24 11:05	1,9010C/9012B	JER

Project Number: 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

# Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - V	Vestborough Lab for sam	ple(s): 01	-02 Ba	tch: WC	G2012940-′	1			
Cyanide, Total	ND	mg/kg	0.84	0.18	1	12/23/24 19:50	12/24/24 10:56	1,9010C/9012	2B JER



# Lab Control Sample Analysis Batch Quality Control

Project Name: CAPITAL CENTER PROJ-COVER SOIL

**Project Number:** 081639.000-0003000

 Lab Number:
 L2474660

 Report Date:
 01/06/25

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual F	RPD Limits
General Chemistry - Westborough Lab As	sociated sample(s	): 01-02	Batch: WG20129	940-2 WC	G2012940-3			
Cyanide, Total	88		89		80-120	15		35



				Matri	x Spike Analysi	is		
Project Name:	CAPITAL CENTER	R PROJ-CC	Lab Number:	L2474660				
Project Number:	imber: 081639.000-0003000						Report Date:	01/06/25
	Nativo	MS	MS	MS	MSD	MOD	Desevery	RDU

Parameter	Sample	Added	Found	%Recovery	Qual	Found	%Recovery	Qual	Limits	RPD	Qual	Limits
General Chemistry - Westborou SOIL-TP-1	gh Lab Asso	ociated samp	ole(s): 01-02	QC Batch I	D: WG20	)12940-4	WG2012940-5	QC Sa	ample: L247	74660-0	)1 CI	ient ID:
Cyanide, Total	ND	11	11	98		12	100		75-125	9		35



Project Name:	CAPITAL CENTER PROJ-COVER SOIL	Lab Duplicate Analysis Batch Quality Control	Lab Number:	L2474660
Project Number:	081639.000-0003000		Report Date:	01/06/25

Parameter	Native Sam	ple Duplicate Sample	e Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01-02	QC Batch ID: WG2013183-1	QC Sample:	L2474632-01	Client ID:	DUP Sample
Solids, Total	58.4	58.3	%	0		20



#### Sample Receipt and Container Information

YES

Were project specific reporting limits specified?

#### **Cooler Information**

Cooler	Custody Seal
A	Absent
В	Absent

Container Information			Initial	Final	Temp			Frozen	
Container ID	Container Type	Cooler	pН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)
L2474660-01A	Plastic 2oz unpreserved for TS	А	NA		3.6	Y	Absent		TS(7)
L2474660-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG- TI(180),NI-TI(180),CR-TI(180),TL- TI(180),AL-TI(180),CU-TI(180),ZN- TI(180),PB-TI(180),SE-TI(180),SB- TI(180),CO-TI(180),V-TI(180),FE- TI(180),MG-TI(180),MN-TI(180),HG- T(28),CD-TI(180),CA-TI(180),K-TI(180),NA- TI(180)
L2474660-01C	Vial Large Septa unpreserved (4oz)	А	NA		3.6	Υ	Absent		NYTCL-8260-R2(14)
L2474660-01D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL- 8081(14),NYTCL-8082(365)
L2474660-01E	Plastic 8oz unpreserved	В	NA		3.3	Y	Absent		A2-NY-1633(90)
L2474660-01X	Vial MeOH preserved split	А	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2474660-01Y	Vial Water preserved split	А	NA		3.6	Y	Absent	24-DEC-24 08:43	NYTCL-8260-R2(14)
L2474660-01Z	Vial Water preserved split	А	NA		3.6	Y	Absent	24-DEC-24 08:43	NYTCL-8260-R2(14)
L2474660-02A	Plastic 2oz unpreserved for TS	А	NA		3.6	Y	Absent		TS(7)
L2474660-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG- TI(180),AL-TI(180),TL-TI(180),CR- TI(180),NI-TI(180),PB-TI(180),SE- TI(180),ZN-TI(180),CU-TI(180),SB- TI(180),CO-TI(180),V-TI(180),MN- TI(180),MG-TI(180),FE-TI(180),HG- T(28),CD-TI(180),K-TI(180),CA-TI(180),NA- TI(180)
L2474660-02C	Vial Large Septa unpreserved (4oz)	А	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L2474660-02D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL- 8081(14),NYTCL-8082(365)
L2474660-02E	Plastic 8oz unpreserved	В	NA		3.3	Y	Absent		A2-NY-1633(90)



Serial\_No:01062519:48 *Lab Number:* L2474660 *Report Date:* 01/06/25

Container Information			Initial	Final	Тетр			Frozen		
Container ID	Container Type	Cooler	pН	pН	deg C	Pres	Seal	Date/Time	Analysis(*)	
L2474660-02X	Vial MeOH preserved split	А	NA		3.6	Y	Absent		NYTCL-8260-R2(14)	
L2474660-02Y	Vial Water preserved split	А	NA		3.6	Υ	Absent	24-DEC-24 08:43	NYTCL-8260-R2(14)	
L2474660-02Z	Vial Water preserved split	А	NA		3.6	Y	Absent	24-DEC-24 08:43	NYTCL-8260-R2(14)	



# Project Number: 081639.000-0003000

# Serial\_No:01062519:48 Lab Number: L2474660 Report Date: 01/06/25

# PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluorobeptanesulfonic Acid	PFHpS	375-92-8
Perfluorobexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
		420 41 0
	10.0570	400000 00 0
1H,1H,2H,2H-Perliuorododecanesulfonic Acid	10:2FTS	120226-60-0
1H, 1H, 2H, 2H-Perliuorodecanesulfania Arid	8.2F15	39108-34-4
1H,1H,2H,2H-Perliuorooctanesulfonic Acid	6:2F15	27619-97-2
TH, TH, 2H, 2H-Periluoronexanesulfonic Acid	4:2F15	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11CI-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9CI-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6
		-



# Project Number: 081639.000-0003000

## PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5

Serial\_No:01062519:48

# Project Name: CAPITAL CENTER PROJ-COVER SOIL

# Project Number: 081639.000-0003000

Acronyms

# Lab Number: L2474660

# **Report Date:** 01/06/25

#### GLOSSARY

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.
Report Form	at: DU Report with 'J' Qualifiers



# Lab Number: L2474660 Report Date: 01/06/25

#### Footnotes

#### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(a)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C -Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- **D** Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- **F** The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I The lower value for the two columns has been reported due to obvious interference.
- J Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



<sup>1</sup> 

<sup>-</sup> The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Project Number: 081639.000-0003000

Lab Number: L2474660 Report Date: 01/06/25

#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P The RPD between the results for the two columns exceeds the method-specified criteria.
- Q The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- **R** Analytical results are from sample re-analysis.
- **RE** Analytical results are from sample re-extraction.
- **S** Analytical results are from modified screening analysis.
- V The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)



 Lab Number:
 L2474660

 Report Date:
 01/06/25

#### REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

#### LIMITATION OF LIABILITIES

Pace Analytical Services performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Pace Analytical Services shall be to re-perform the work at it's own expense. In no event shall Pace Analytical Services be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Pace Analytical Services.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



# Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

#### Westborough Facility - 8 Walkup Dr. Westborough, MA 01581

EPA 624.1: m/p-xylene, o-xylene, Naphthalene

EPA 625.1: alpha-Terpineol

EPA 8260D: <u>NPW</u>: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene; <u>SCM</u>: lodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene. EPA 8270E: <u>NPW:</u> Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol, Azobenzene; <u>SCM</u>: Dimethylnaphthalene,1,4-Diphenylhydrazine. SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

# Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

SM 2540D: TSS. EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene. Nonpotable Water: EPA RSK-175 Dissolved Gases Biological Tissue Matrix: EPA 3050B

#### Mansfield Facility – 120 Forbes Blvd. Mansfield, MA 02048

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene. Nonpotable Water: EPA RSK-175 Dissolved Gases

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility - 8 Walkup Dr. Westborough, MA 01581

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate. EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables)

Microbiology SM9223B-Colilert-QT; Enterolert-QT, EPA 1600, EPA 1603, SM9222D.

#### Mansfield Facility – 320 Forbes Blvd. Mansfield, MA 02048

#### Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522, EPA 537.1.

#### Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn. EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn. EPA 245.1 Hg. SM2340B

For a complete listing of analytes and methods, please contact your Project Manager.

# Serial\_No:01062519:48

Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Client Information Client: CHA COM Address: 300 So Syvacuse Phone: 315 - 25 Fax: Email: SSM: 14.20 These samples have b	NEW YORK CHAIN OF CUSTODY Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-920 FAX: 508-820 FAX: 50	Service Centers Mahwah, NJ 07430: 35 Whitney Albany, NY 12205: 14 Walker Wit Tonawanda, NY 14150: 275 Coo Project Information Project Name: Capi Project Location: A Project Location: A Project Wanager: M, ALPHAQuote #: Turn-Around Time Standard Rush (only if pre approved) ed by Alpha	Rd, Suite 5 Hy per Ave, Suite 10 tal (enf -1 bany, 	Due Date:	Page	1 Y Soil Semp		Date I in L erables ASP-/ EQuIS Other atory NY TO AWQ S NY Re NY Re NY Un NY CS	Rec'd A A A S (1 FI S Standar stricted restricted restricted	le) ds Use ad Use		ASP-B EQUIS Cont NY Part NY CP-5 Other	(4 File) 375 1	ALPHA Jop J 4660 Billing Information Same as Client Info Po # 081639.000-2 Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: NJ NY Other: Sample Filtration	2
Other project specific	een previously analyz requirements/comr	ed by Alpha		-		-	ANAI 871	1313	- 1			1			0
2 cooler Please specify Motals	S or TAL.		Coll	action	Cample	Complete	NY TLL SUB2. 16L-8081. NY TLL	al metals	AAS 1633	al Schids	111-5260			Lab to do Preservation Lab to do (Please Specify below)	a I H Ott
(Lab Use Only)	Si	ample ID	Date	Time	Matrix	Initials	NCN NYN	よ	5	12	MY			Sample Specific Comments	e
Man OI	Soil-TP-1		12-18-24	0955	S	AH	X	x	Х	x	X				5
60	Soil - TP-2		+	1040	4	*	X	X	X	×	×				5
Preservative Code: A = None B = HCI $C = HNO_3$ $D = H_2SO_4$	Container Code P = Plastic A = Amber Glass V = Vial G = Glass	Westboro: Certification N Mansfield: Certification N	o: MA935 o: MA015		Cor	tainer Type Preservative	A	A	P	PA	A			Please print clearly, legibly and completely. Samples of not be logged in and turnaround time clock will	y can not
E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other Form No: 01-25 HC (rev. 3)	B = Bacteria Cup C = Cube : O = Other E = Encore D = BOD Bottle	Relinquished	By:	Date 12-18-7 12/18-72-	Time 24 1530 -1 17 00 205	Ste	Receiv	/ed By	t ny	18	12/12/	Date/T		start until any ambiguities a resolved, BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPH/ TERMS & CONDITIONS. (See reverse side.)	are 3 S IA'S





		IN	SPE	CTION CHECKLIST
		<b>[</b>		
		Report	No. C	)1
		Date: I	March	28, 2024   Time: 9:20 AM
Site Name: Capital Center Site				NYSDEC Site No. C401070
Address: Broadway and Spencer Street	s, Albar	ıy, NY	ŀ	Project No. 081639.000
Inspector(s): Caroline Hurlburt	·		١	Weather: Cloudy
			-	Temp.: Hi 42° F Low
Type of Inspection: 🛛 Routine 🗌 Post-Se	vere Co	ndition	-	Time Low Tide: N/A
<b>COVER SYSTEM INSPECTION – TRA</b>	CK 4 A	REA O	NLY	
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
There is no evidence of erosion/scour of cover soils/materials from Site surface.				
There is no evidence of subsidence/ settlement in cover materials.	$\square$			
There is no evidence of significant cracks				
in impervious cover materials or				
desiccation cracking in mulched areas.				
I here is no evidence of exposed or damaged demarcation barrier	$\square$			
There is no evidence of vapors or odors	57			
emanating from the Site.				
VEGETATIVE INSPECTION				
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
Vegetation is well established over greenspace areas.			$\boxtimes$	There are no vegetated areas on Track 4.
There is no evidence of stressed vegetation.	$\boxtimes$			Trees in mulched area appeared in good condition.
There is no evidence of bare or thin vegetative cover.			$\boxtimes$	
There is no evidence of overgrowth or areas that need to be mowed.			$\boxtimes$	
There is no evidence of recent areas of				
excavation or disturbed areas.				
VECTOR INSPECTION	T			
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
No vectors or vector activity (e.g. tracks, droppings, dens. etc.) were observed	$\square$			
There was no evidence of damage to the				
soil cover system due to vector activity.				
DRAINAGE SYSTEM INSPECTION				
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
There is no evidence of erosion around			$\square$	There are no closed drainage systems in
drainage structures.				the Track 4 area.
drainage structures.			$\boxtimes$	
Manhole covers present & in good condition.			$\square$	
There is no evidence of siltation, debris, or other restrictions in the manholes.			$\boxtimes$	



# **INSPECTION CHECKLIST**

Report No. 01 Date: March 28, 2024 Time: 9:20 AM

MONITORING WELL INSPECTION	-			
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
The monitoring wells are in generally good condition.			$\boxtimes$	All monitoring wells have been properly decommissioned.
Well caps are installed on the wells.			$\boxtimes$	
Locks present and secured.			$\boxtimes$	
SITE ACCESSIBILITY INSPECTION	<u>.</u>			
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
Site accessible and passable.	$\boxtimes$			Hotel parcel and most of Track 4 area is accessible/passable.
Site security measures are in good condition.	$\boxtimes$			The perimeter fencing around the undeveloped portion in good condition.
INSTITUTIONAL CONTROL INSPECTION				
ITEM/CONDITION	TRUE	FALSE	N/A	COMMENTS
The Site continues to be utilized for commercial and passive recreational uses only.	$\boxtimes$			
There is no evidence of groundwater extraction and/or use on Site.	$\boxtimes$			
<b>ADDITIONAL NOTES &amp; OBSERVATIONS</b>	_	-		
parcel was covered with new cover material stone area (see photographs). The balance of the Track 1 area (undevelop stone.	s, inclue	ding a co cel) is sec	ncrete	sidewalk, mulched areas, and a decorative
Note: This inspection was completed by Ms investigation and remediation experience. I supervision of Mr. Scott M. Smith, P.E. (a lid 26 years of environmental engineering expe A).	s. Caroli For this censed i erience)	ine Hurlb inspectio Professic who is th	urt, F.( n, Ms. nal En ne certi	G. who has over 5 years of environmental Hurlburt worked under the direct gineer in the State of New York with over fying engineer for the PRR (see Appendix

|--|

V:\Projects\ANY\K6\081639.000\08\_Reports\2023 PRR\Draft\Appendices\Appendix C - Inspection Checklist.doc







**Photograph 1.** Looking northwest across the northwestern portion of the Track 1 Area that is stabilized with run-ofcrush stone.



**Photograph 2.** Looking northeast across the northwestern portion of the Track 1 Area that is stabilized with run-ofcrush stone. The recently opened hotel on the southeastern portion of the Track 1 Area is available along the right side of the photograph.



# SITE PHOTOGRAPHS

CAPITAL CENTER SITE 705 BROADWAY ALBANY, NEW YORK PROJECT NO. 081639.000

PHOTOGRAPHS TAKEN: 03/28/2024









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