PERIODIC REVIEW REPORT

MARCH 11, 2021 TO MARCH 11, 2022
3 GATES CIRCLE SITE
(BCP SITE NO. C915272)

BUFFALO, NEW YORK

April 2022 0309-021-001-010-006

Prepared for:

Montante/Morgan Gates Circle LLC

Prepared By:

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In association with:

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PERIODIC REVIEW REPORT

March 11, 2021 to March 11, 2022

3 Gates Circle Site (C915272)

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1.0 INTRODUCTION

Benchmark Civil/Environmental Engineering and Geology, PLLC (Benchmark), in association with TurnKey Environmental Restoration, LLC (TurnKey) has prepared this Periodic Review Report (PRR) to summarize the post-remedial status of the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) 3 Gates Circle Site, Site No. C915272, located in the City of Buffalo, Erie County, New York (see Figure 1). The 3 Gates Circle Site has been subdivided as described in Section 1.1 and currently has three (3) owners: Montante/Morgan Gates Circle LLC, Episcopal Church Home and Affiliates Life Care Community, Inc. d/b/a Canterbury Woods, and 1277 Delaware LLC.

This PRR has been prepared in accordance with the NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010; Ref. 1); the NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been prepared for the Site. This PRR and the associated IC/EC Form (see Appendix A) have been completed for the post-remedial period from March 11, 2021 to March 11, 2022. Site photographs are included as Appendix B.

1.1 Site Background

Gates Circle Holdings, LLC (GCH) entered into a Brownfield Cleanup Agreement (BCA) with NYSDEC on March 19, 2013, amended in January 2015, to investigate and remediate the approximate 6.9-acre Site formerly located at 3 Gates Circle (address changes and subdivisions are discussed later in this section), in the City of Buffalo, County of Erie, New York. BCP site activities were performed in accordance with Brownfield Cleanup Agreement (BCA) Index#C915272-02-13.

The Site is located in the County of Erie, New York and is identified as a portion of Block 4 and Lot 1 on the City of Buffalo Tax Map # 89.79 per Erie County Tax Map records. The Site is bounded by Lafayette Street and Gates Circle to the north, commercial buildings and a parking ramp to the south, Linwood Avenue to the east, and Delaware Avenue to the west (see Figures 1 and 2).

The Site operated as a commercial/medical facility dating back to the early 1900s and continuing until March 2012. When the facility closed, 13 interconnected buildings covered

most of the Site. These buildings were primarily used for patient care and hospital administration operations, but included other supporting facilities (i.e., laboratories, research facilities, staff housing, auditorium, and a kitchen). The Power Plant located on the southeast corner of the property contained boilers, cooling towers, backup generators, and a maintenance area for buildings and grounds equipment. The Power Plant was connected to the main campus via an underground tunnel. The historic backup generator and boiler fuel underground storage tanks (USTs) were located proximate to the former Power Plant.

After the remedial investigation and remedial activities were completed under the BCP (further discussed in Section 1.2) but prior to the start of redevelopment, five (5) buildings were demolished as well as portions of 3 other buildings. On May 10, 2016, 1.35 acres of the 6.9 acres Site was sold by GCH to Episcopal Church Home and Affiliates Life Care Community, Inc. d/b/a Canterbury Woods (Canterbury Woods, see Figure 2). The 1.35-acre area located in the northwestern portion of the Site was redeveloped as an assisted living facility. The southern and eastern portions of the Site are still awaiting redevelopment and five (5) former Millard Fillmore hospital buildings remain in the northeastern portion. Two (2) new roadways, the Lancaster Avenue Extension and Lafayette Connector were constructed and are substantially complete (see Figure 2).

In March 2017, the remaining 5.55-acre parcel owned by GCH was subdivided (see Figure 2) and the ownership transferred to Montante/Morgan Gates Circle LLC (M/MGC). Notice of Transfer of Certificate of Completion was filed with the Erie County Clerk's Office on May 3, 2017. In June 2019, a Quit Claim Deed was filed with Erie County Clerk's Office to address a discrepancy with the legal description between 1285 Delaware and 1275 Delaware Avenue, to the south. The small 0.03-acre parcel (now addressed 1279 Delaware Avenue) was transferred 1277 Delaware LLC (see Appendix E). The table below identifies the new property addresses, associated SBL Numbers, acreage, and owner information.

Address	SBL Number	Acreage	Owner
1 Gates Circle	89.79-4-1.1	1.37	Episcopal Church Home and Affiliates Life Care Community, Inc.
1279 Delaware Ave	89.79-4-1.51	0.03	1277 Delaware LLC
1285 Delaware Ave	89.79-4-1.52	1.93	M/MGC
1291 Delaware Ave	89.79-4-1.4	0.77	M/MGC
1299 Delaware Ave	89.79-4-1.6	0.27	M/MGC

865 Lafayette Ave	89.79-4-1.2	0.47	M/MGC
630 Linwood Ave	89.79-4-1.3	2.01	M/MGC

1.2 Remedial History

In August 2008, the two (2) No. 6 fuel oil USTs associated with the Power Plant were removed along with accessible contamination (approximately 962 tons). Due to the presence of impacts beneath the Power Plant foundation, a groundwater remediation system was installed to collect and pretreat perched groundwater impacted by No. 6 fuel oil.

A Remedial Investigation (RI) was performed as part of the BCP in October 2014 to characterize the nature and extent of contamination at the Site. The results of the RI are described in detail in the Remedial Investigation/Alternatives Analysis (RI/AA) Report (Ref. 2). Generally, the RI determined the following contaminants of concern (COCs) in Site soil/fill were present: polycyclic aromatic hydrocarbons (PAHs), mercury, and No. 6 fuel oil. Groundwater was not identified as a concern.

The RI/AA Report recommended remediation of five (5) areas, with cover system placement recommended as the final remedial measure under a Restricted-Residential Track 4 Cleanup approach. Additional requirements included development and adherence to a Site Management Plan (SMP, Ref. 3) and filing of an Environmental Easement to restrict use of the property to restricted residential, commercial, and industrial applications and to place other limitations on post-redevelopment activities.

Remedial activities completed at the Site were conducted in accordance with the IRM Work Plan (Ref. 4) dated January 29, 2015 and the Decision Document (Ref. 5) dated May 28, 2015. The remedial program was successful in achieving the remedial objectives for the Site. An Environmental Easement restricting end use of the Site and enforcing adherence to the SMP was recorded in October 2015. The remedial activities were documented in the Final Engineering Report (FER, Ref. 6) dated November 2015. The Site received its Certificate of Completion (COC) on December 10, 2015. The following remedial activities were completed at the Site:

- Approximately 635 tons of SVOC-impacted soil/fill was removed from three (3) locations in the central and southern central portions of the Site. The three (3)

excavations had horizontal dimensions ranging from 25 to 50 ft and were advanced to depths of 3 to 4.5 fbgs.

- Approximately 191 tons of mercury-impacted soil/fill was removed from one (1) location in the southern central portion of the Site. The 40 by 40 ft excavation was completed to a depth of approximately 3 fbgs. An additional 30 by 20 ft excavation was completed from approximately 3 to 6 fbgs in the southern/central portion of the larger mercury excavation where black petroleum-like globules and odors were observed.
- Approximately 2,434 tons of No. 6 fuel oil-impacted (grossly impacted) soil/fill and stone was removed from beneath the former Power Plant building after its partial demolition. The 150 by 75 ft excavation was completed to depths ranging from 1 to 5 feet below the former basement floor slab (approximately 16 to 20 fbgs), based on the thickness of the impacted bedding stone. The native clay soil did not appear to have been impacted by the No. 6 fuel oil due to the low permeability of the clay and high viscosity of the fuel oil.
- After the RI/AA was completed, NYSDEC requested additional soil/fill samples from the greenspace areas to remain as part of the cover system. SVOCs (specifically PAHs) only were detected above their respective Restricted Residential Soil Cleanup Objectives (RRSCOs) in five (5) of the six (6), 0 to 6-inch topsoil samples collected. Topsoil excavations were completed in five (5) areas around the perimeter of the Site to a depth of 6-inches. Approximately 918 tons of SVOC-impacted topsoil was removed, disposed off-site, and replaced with 6-inches of 2-inch crusher run stone.

Upon receiving the COC, redevelopment activities commenced within the 1.35-acre parcel (1 Gates Circle) for construction of the Canterbury Woods 6-story assisted living facility. During redevelopment material was disposed off-site because the material contained solid waste and/or was impacted. The solid waste and/or impacted materials was generated from site redevelopment activities to establish subgrade in the northern portion of the Site.

The Canterbury Woods building has a footprint of approximately 21,480 square feet and provides hardscape cover in the form of concrete foundation and slab. Additional hardscape cover also consisted of six (6) elevated terraces, two (2) parking lots, and

sidewalks around the building. A vegetated soil cover system was used in the non-hardscape areas of the 1.35-acre Canterbury Woods parcel. The vegetated soil cover system was constructed of a minimum of 2-feet of DER-10 compliant materials which consisted of 6-inches of imported topsoil or 9-inches of washed #2 stone overlying 18-inches to 15-inches of imported 2-inch crushed stone over a demarcation layer (orange mesh) to separate the cover system from existing Site soil/fill. The Canterbury Woods redevelopment activities were completed in August 2017.

M/MGC placed a final "top coat" asphalt layer on the Lafayette Avenue Connector, installed 1,750 square feet of side walk hardscape and placed 6-inches of imported topsoil to complete the final 2-foot cover of green space along the western side of the Lafayette Avenue Connector.

In July 2020, M/MGC replaced the top 6-inches of crushed stone of the cover system with 6-inches of NYSDEC-approved topsoil in an approximate 15-foot wide area along Delaware Avenue on the western portion of the Site, south of the Canterbury Woods property greenspace, at the City of Buffalo's request. Topsoil (2 to 3-inches) was also placed on top of the crushed stone/existing soil cover system in an approximate 15-foot wide area along Lafayette Avenue (north end of Site) and Linwood Avenue (east end of Site) to promote vegetative growth. Additional information on the topsoil import is proved in Section 4.2.3. These activities were observed by Benchmark-TurnKey personnel to verify conformance with the SMP. Figure 3 identities the updated cover system for the Site.

1.3 Compliance

The Canterbury Woods redevelopment, the roadways, and the five (5) former Millard Fillmore hospital buildings still awaiting redevelopment are in compliance with the SMP, as the cover system is in place (see Figure 3). Areas that are to undergo redevelopment in the near future and will have its final cover established as part of the redevelopment are also shown on Figure 3.

1.4 Recommendations

We recommend that the redevelopment activities continue to be conducted in accordance with the SMP and that the SMP be updated to include the redevelopment/cover system changes once they are completed.

2.0 SITE OVERVIEW

The Site was remediated under the BCP (as discussed in Section 1.2). The remediated property is subject to a comprehensive, site-wide SMP which identifies requirements for monitoring and maintenance of engineering and institutional controls and procedures for post-remedial excavation and related activities.

No redevelopment activities occurred at the Site within the March 11, 2021 to March 11, 2022 reporting period. However, there were some temporary beautification alterations made in the southwestern portion of the Site in the vicinity of the asphalt cover/parking area (western portion of parcel addressed as 1285 Delaware Avenue) and in the western central portion of the Site (parcel addressed as 1299 Delaware Avenue).

In August 2021, as shown on Figure 3, 3 to 4-inches of topsoil was placed and seeded around perimeter of the asphalt cover system for beautification purposes in western portion of the 1285 Delaware Ave parcel. The topsoil was placed on geotextile prior to placement. A portion of the asphalt surface was also resurfaced in this area. The beautification project is temporary as the redevelopment plans for the Site call for building(s) to be constructed in this area of the Site.

In October 2021, as shown on Figure 3, the 1299 Delaware Avenue parcel was also covered with 3 to 4 inches of topsoil as part of the beautification project. The concrete walkways present were removed as they were deteriorating and in poor condition. The concrete removed was staged on-Site in the western portion of the 630 Linwood Avenue parcel. The topsoil was placed on geotextile prior to placement. The beautification project is only temporary as the redevelopment plans for the Site call for building to be constructed in this area of the Site.

A total of approximately 300 cubic yards of topsoil was imported and placed in these areas in August and October 2021.

The topsoil materials import request, NYSDEC approval, and import documentation are included in Appendix C.

The area surrounding the Site has not significantly changed. A residential development was constructed across Linwood Avenue to the east of the Site at the corner of Linwood Avenue and Lafayette Avenue (2019) and another is under construction across Delaware Avenue to the west along Gates Circle.

3.0 REMEDY PERFORMANCE

A post-remedial site inspection involving a walk-over of the Site covered by this PRR was performed by Christopher Boron, P.G. on March 10, 2022 to visually observe and document the use of the Site for restricted residential, commercial, and/or industrial use, confirm absence of site groundwater use, inspect the cover system integrity, and verify conformance with other requirements under the SMP.

The site inspection completed during this reporting period indicates that areas of the Site not undergoing redevelopment are in compliance and functioning as intended in accordance with the SMP. M/MGC is planning to continue redevelopment activities on the Site in 2022.

The completed IC/EC Certification forms and site photographs taken during the inspection are included in Appendices A and B, respectively.

4.0 SITE MANAGEMENT PLAN

A site-wide SMP was prepared for the Site and approved by the Department in November 2015, revised January 2021. Key components of the SMP are described below.

4.1 Institutional and Engineering Control (IC/EC) Plan

Since remaining contaminated soil/fill exists beneath the site, Institutional Controls and Engineering Controls (IC/ECs) are required to protect human health and the environment. The Engineering and Institutional Control Plan describes the procedures for the implementation and management of all IC/ECs at the Site. At the time of the site inspection, the Site is compliant with all engineering and institutional control requirements with the exception of the areas slated for redevelopment as shown on Figure 3.

4.1.1 Institutional Controls (ICs)

The Site has a series of Institutional Controls in the form of site restrictions. Adherence to these Institutional Controls is required by the Environmental Easement. Site restrictions that apply to the Controlled Property are:

- The property may be used for restricted residential; commercial, industrial uses, subject to local zoning laws;
- All ECs must be operated and maintained as specified in the SMP;
- The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Erie Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;
- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- Operation, maintenance, monitoring, inspection, and reporting of the soil cover system shall be performed as defined in the SMP;
- Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by the Environmental Easement;

- Vegetable gardens and farming on the property are prohibited;

4.1.2 Engineering Controls (ECs)

Engineering controls at the Site include:

- Cover System – Exposure to remaining contamination in soil/fill at the Site is prevented by a final cover system placed over the site. This cover system is comprised of a minimum of 24 inches of clean soil (with underlying demarcation layer), asphalt pavement, concrete-covered sidewalks, concrete basement building slabs, or crushed stone that was placed over the remedial excavation areas and/or to adjust grades at the Site. The cover system must be maintained in compliance with the SMP.

4.2 Excavation Work Plan

An Excavation Work Plan (EWP) was included in the NYSDEC-approved SMP for the Site. The EWP provides guidelines for the management of soil/fill material during intrusive actives. Future intrusive work that will penetrate the cover or cap, or encounter or disturb the remaining contamination, including any modifications or repairs to the existing cover system, will be performed in compliance with the EWP.

4.2.1 Site Redevelopment Activities

No redevelopment activities occurred during the past reporting period.

As part of the temporary beautification project on the 1299 Delaware Avenue parcel, the concrete walkways in the western portion of the parcel which were deteriorating and in poor condition were removed. The concrete was staged in the western portion of the 630 Linwood Avenue parcel. Because the concrete cover was removed prior to topsoil placement, Benchmark provided oversight and community air monitoring during the work. Field notes and community air monitoring data are included in Appendix D. No visual, olfactory, of field screening evidence of impacts were observed in the area of concrete removal and the community air monitoring data did not indicate exceedances of the particulate of total volatile organic thresholds.

We note that soil from the Canterbury Woods excavation activities that was sampled and requested for on-site use (Benchmark February 8, 2016 letter to NYSDEC and approved by NYSDEC via email dated February 10, 2016) remain in a stockpile in the eastern portion of the Site for reuse when redevelopment activities continue.

4.2.2 Exported Materials

No materials were exported from the Site during the past reporting period.

4.2.3 Imported Materials

Approximately 300 yards of topsoil were imported to the Site in August and October 2021. The topsoil materials import request and NYSDEC approval are included in Appendix C. No other materials were imported to the Site during the past reporting period.

4.3 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines requirements for certifying and attesting that the institutional controls and engineering controls employed on the Site are unchanged from the original design and/or previous certification. The Annual Certification includes a Site Inspection and completion of the NYSDEC's IC/EC Certification Form. The Site inspection is intended to verify that the IC/ECs are in place, effective, and performing as designed, that nothing has occurred that would impair the ability of the controls to protect the public health and environment, that nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls, and that access is available to the Site to evaluate continued maintenance of such controls.

Inspection of the Site was conducted by Mr. Christopher Boron, P.G. on March 10, 2022, a Qualified Environmental Professional (QEP) per 6NYCRR Part 375.12. At the time of the inspection, no construction activities were being performed. Existing cover systems (see Figure 3) are performing as intended. Upcoming redevelopment projects that disturb the existing cover system are subject to the NYSDEC-approved SMP.

No observable indication of intrusive activities was noted during the Site inspection beyond those described in Section 4.2. The assisted living building which was constructed

utilizes the local municipal water supply, and no observable use of groundwater was noted during the Site inspection.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photographic log of the Site inspection is included in Appendix B.

4.4 Operation, Monitoring and Maintenance Plan

The remedy for the Site does not rely on any mechanical systems such as sub-slab depressurization or soil vapor extraction, to protect public health and the environment. Therefore, an Operation and Maintenance Plan is not required.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions for this reporting period and recommendations for the next reporting period are as follows:

- No redevelopment activities occurred during the past reporting period. Existing cover systems are performing as intended; therefore, the Site is compliant. Areas that are awaiting redevelopment and final cover system placement are fenced off from public access or temporarily covered with geofabric and topsoil.
- If redevelopment activities involving cover system modification or import/export of soil or stone materials occur in the next reporting period they will be subject to the SMP. In areas subject to redevelopment, Site access will be restricted via construction fencing and will be limited to authorized construction personnel.

The following modifications are recommended for the Site:

- No modifications are recommended at this time.

6.0 DECLARATION/LIMITATION

Personnel under direct supervision of Benchmark conducted the annual site inspection for BCP Site No. C915272, located in Buffalo, New York, according to generally accepted practices. This report complied with the scope of work provided to M/MGC by Benchmark.

This report has been prepared for the exclusive use of the M/MGC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of M/MGC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark.

7.0 REFERENCES

1. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation.* May 2010.

2. *Remedial Investigation/Alternatives Analysis Report, 3 Gates Circle Site, BCP Site No. C915272, Buffalo, New York,* dated February 2015, revised May 2015, prepared by Benchmark Environmental Engineering & Science, PLLC.

3. *Site Management Plan, 3 Gates Circle Site, Erie County, Buffalo, New York, NYSDEC Site No. C915272,* dated November 2015, revised January 2021, prepared by Benchmark Environmental Engineering & Science, PLLC.

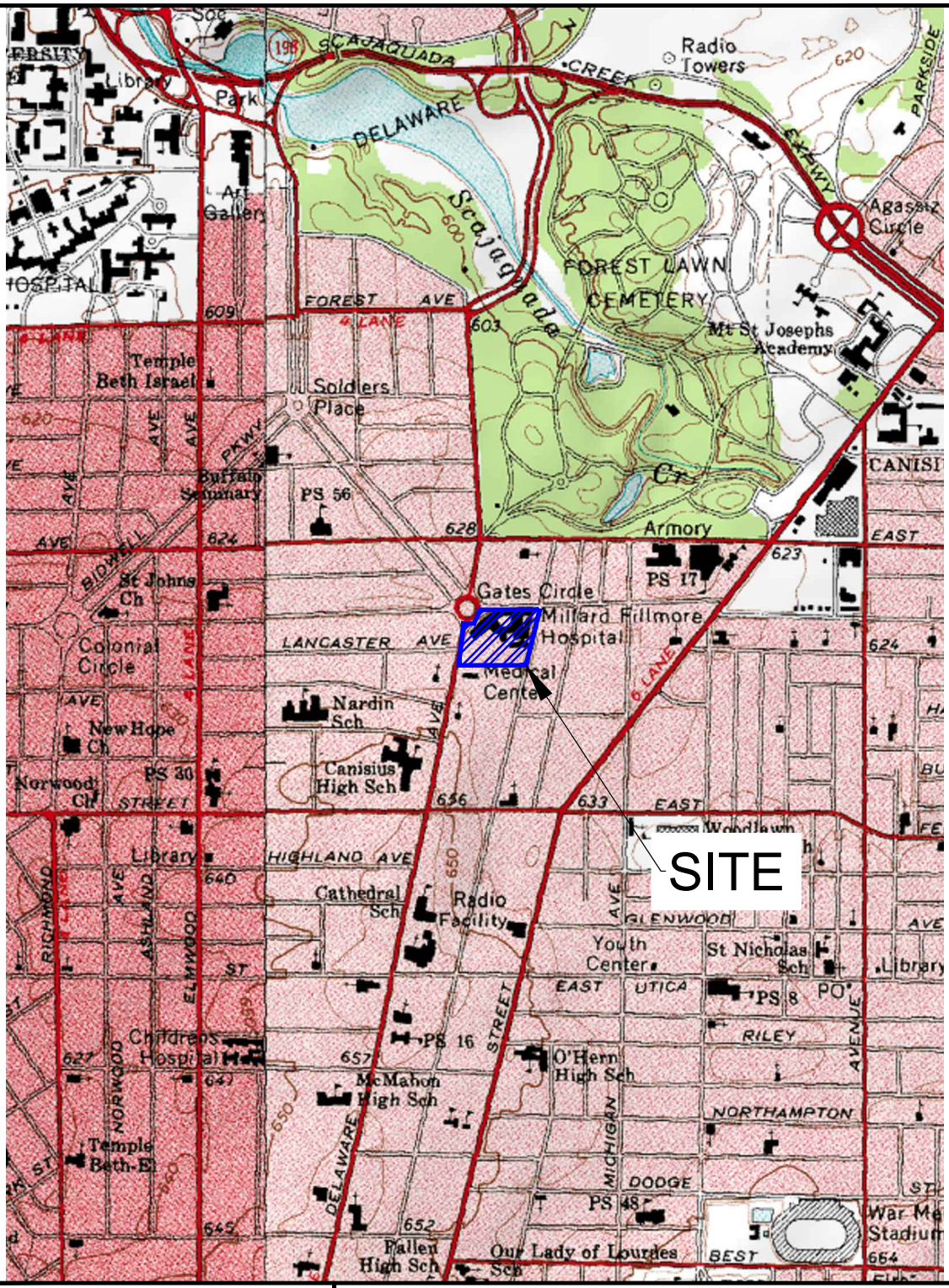
4. *3 Gates Circle BCP Site (C915272), Interim Remedial Measure Work Plan,* dated January 29, 2015, prepared by Benchmark Environmental Engineering & Science, PLLC.

5. *Remedial Investigation/Alternative Analysis Report & Decision Document, 3 Gates Circle, Site ID No. C915272, Buffalo, Erie County,* dated May 28, 2015, prepared by New York State Department of Environmental Conservation.

6. *Final Engineering Report, 3 Gates Circle Site, BCP Site No. C915272, Buffalo, New York,* dated November 2015, prepared by Benchmark Environmental Engineering and Science, PLLC.

FIGURES

FIGURE 1



BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: 0309-014-001

DATE: MARCH 2022

DRAFTED BY: CMC/RFL

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

3 GATES CIRCLE SITE
BCP SITE NO. C915272
BUFFALO, NEW YORK

PREPARED FOR

MONTANTE / MORGAN GATES CIRCLE LLC

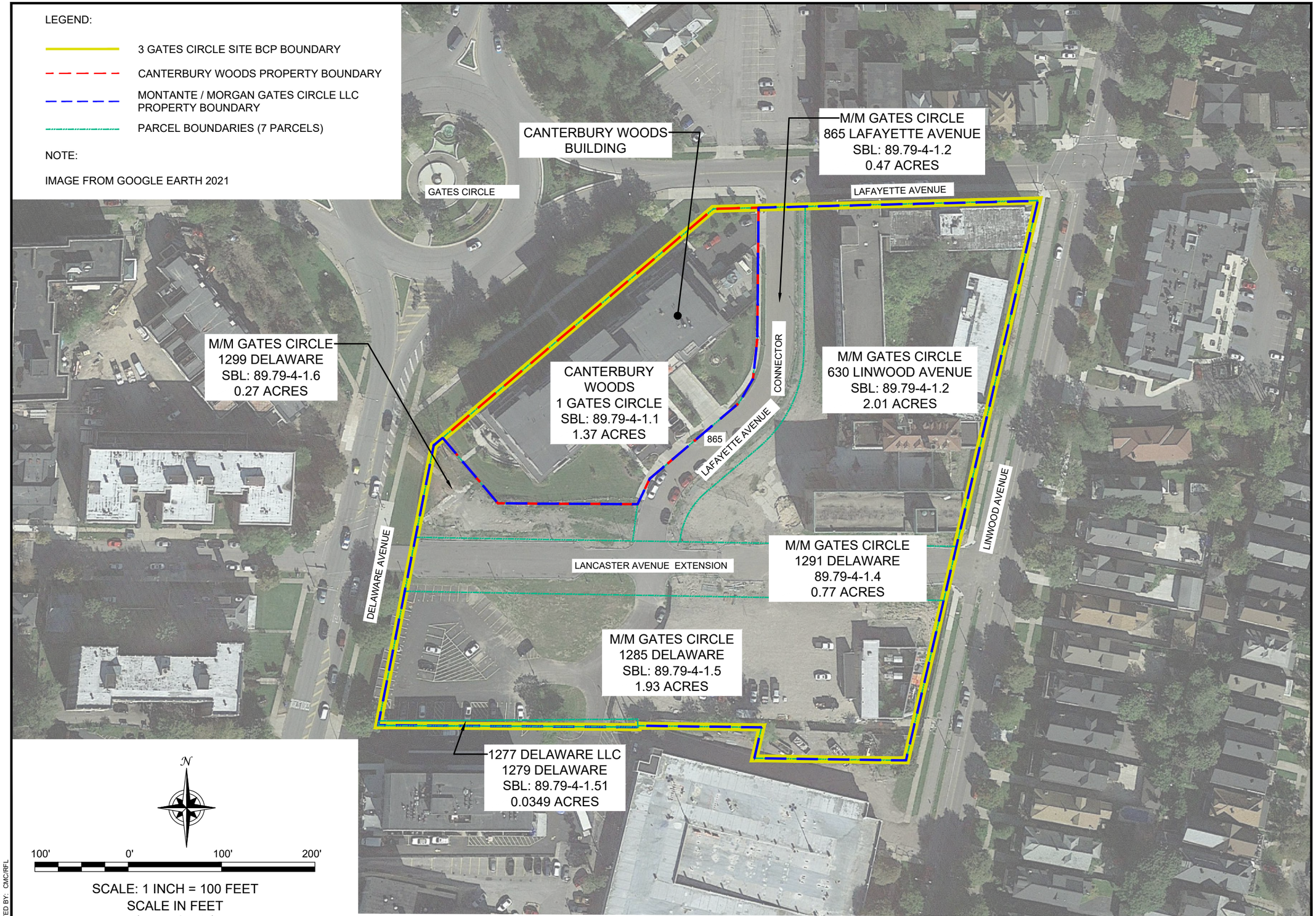
F:\CAD\Benchmark\Gates Circle Holdings\PRR\2022\Figure 2- Site Layout\PRR2022R_1.dwg, 4/27/2022 2:59:43 PM

LEGEND:

- 3 GATES CIRCLE SITE BCP BOUNDARY
- CANTERBURY WOODS PROPERTY BOUNDARY
- MONTANTE / MORGAN GATES CIRCLE LLC PROPERTY BOUNDARY
- PARCEL BOUNDARIES (7 PARCELS)

NOTE:

IMAGE FROM GOOGLE EARTH 2021



N

100' 0' 100' 200'

SCALE: 1 INCH = 100 FEET
SCALE IN FEET
(approximate)

DATE: MARCH 2022
DRAFTED BY: CMC/RFL

BENCHMARK

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218,
(716) 856-0599

JOB NO.: 0309-014-001

SITE PLAN

PERIODIC REVIEW REPORT

3 GATES CIRCLE SITE
BCP SITE NO. C915272
BUFFALO, NEW YORK

PREPARED FOR

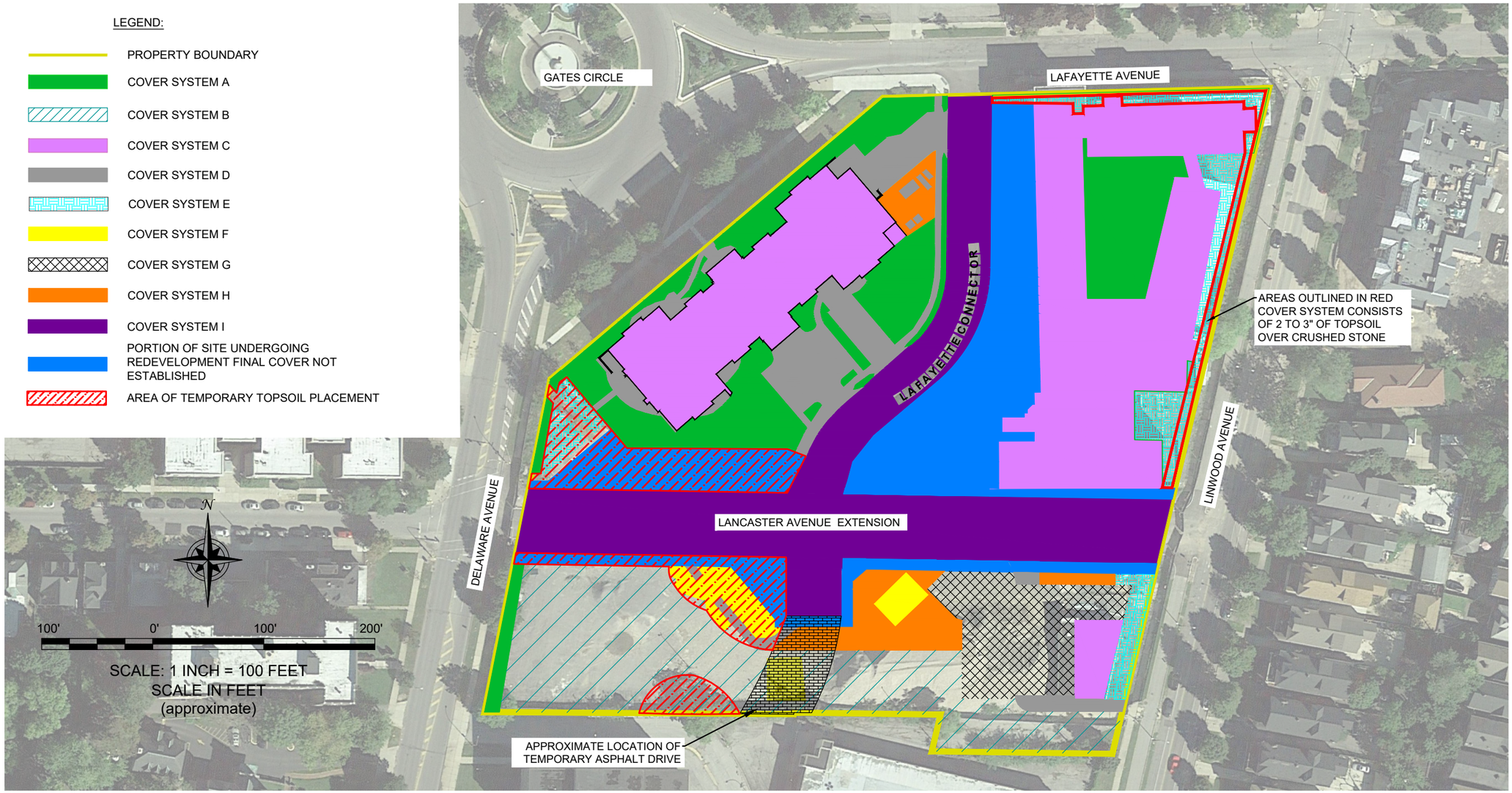
MONTANTE / MORGAN GATES CIRCLE LLC

FIGURE 2

F:\CAD\Benchmark\Gates Circle Holdings\PRR\2022\Figure 3: Site Cover SystemPRR2022R_1.dwg, 4/27/2022 2:51:18 PM

LEGEND:

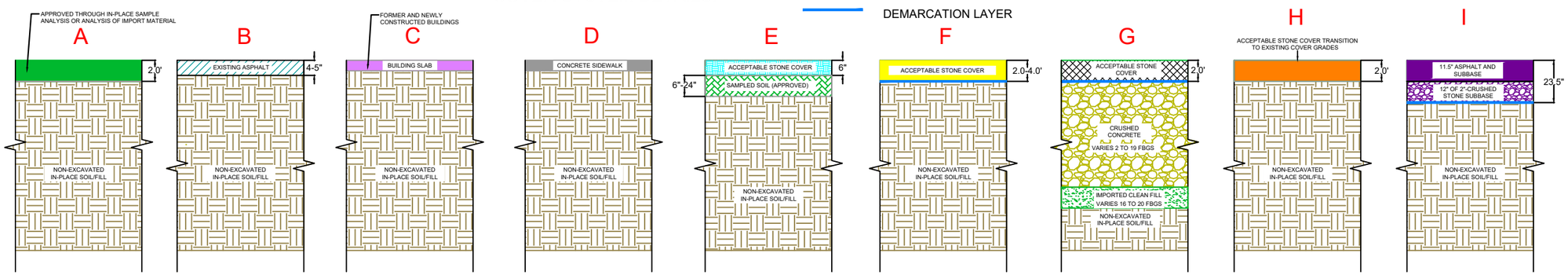
- PROPERTY BOUNDARY
- COVER SYSTEM A
- COVER SYSTEM B
- COVER SYSTEM C
- COVER SYSTEM D
- COVER SYSTEM E
- COVER SYSTEM F
- COVER SYSTEM G
- COVER SYSTEM H
- COVER SYSTEM I
- PORTION OF SITE UNDERGOING REDEVELOPMENT FINAL COVER NOT ESTABLISHED
- AREA OF TEMPORARY TOPSOIL PLACEMENT



COVER SYSTEM DETAILS:

LEGEND:

DEMARCATION LAYER



DATE: APRIL 2021
DRAFTED BY: RFL

BENCHMARK

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(716) 856-0599

JOB NO.: 0309-014-001

SITE COVER SYSTEM

PERIODIC REVIEW REPORT

3 GATES CIRCLE SITE
BCP SITE NO. C915272
BUFFALO, NEW YORK

PREPARED FOR

MONTANTE / MORGAN GATES CIRCLE LLC

FIGURE 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

Site Details **Box 1**

Site No. **C915272**

Site Name 3 Gates Circle Site

Site Address: 3 Gates Circle Zip Code: 14209
City/Town: Buffalo
County: Erie
Site Acreage: 6.880

Reporting Period: March 11, 2021 to March 11, 2022

	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? 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.

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

Signature of Owner, Remedial Party or Designated Representative Date

Box 2A

	YES	NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	☐	X
9. Are the assumptions in the Qualitative Exposure Assessment still valid? (The Qualitative Exposure Assessment must be certified every five years)	X	☐

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C915272 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
89.79-4-1.1	Episcopal Church Home & Affiliates Life	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Land use restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.

89.79-4-1.2	Montante/Morgan 865 Lafayette LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan IC/EC Plan O&M Plan

1. Prohibition of use of groundwater.
2. Land use restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.

89.79-4-1.3	Montante/ Morgan 630 Linwood LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Land use restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.

89.79-4-1.4	Montante/Morgan 1291 Delaware LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Land use restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.

89.79-4-1.5	Montante/Morgan 1285 Delaware LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan IC/EC Plan

1. Prohibition of use of groundwater.
2. Land use restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.

89.79-4-1.6	Montante/Morgan 1299 Delaware LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan

1. Prohibition of use of groundwater.
2. Land use restriction for Restricted Residential, Commercial or Industrial use.
3. Soil Management or Excavation Work Plan for any future intrusive work.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
89.79-4-1.1	Cover System
1. Monitoring and maintenance of the cover system.	
89.79-4-1.2	Cover System
1. Monitoring and maintenance of the cover system.	
89.79-4-1.3	Cover System
1. Monitoring and maintenance of the cover system.	
89.79-4-1.4	Cover System
1. Monitoring and maintenance of the cover system.	
89.79-4-1.5	Cover System
1. Monitoring and maintenance of the cover system.	
89.79-4-1.6	Cover System
1. Monitoring and maintenance of the cover system.	

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C915272

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 Christian Campos at 2760 Kenmore Avenue, Tonawanda, NY,
print name print business address

am certifying as Montante/Morgan Gatesw Circle LLC - Owner (Owner or Remedial Party)

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

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

4/6/2022
Date

EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

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

I Christopher Boron at 2558 Hamburg Turnpike, Buffalo, NY,
print name print business address

am certifying as a Qualified Environmental Professional for the Owner
(Owner or Remedial Party)

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

4/5/22
Date

APPENDIX B

PHOTOGRAPHIC LOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: October 2021: Temporary Beautification work along Delaware Avenue. Spauling concrete and stone pad area north of Lancaster Avenue Extension removed and replaced, looking northeast.

Photo 2: October 2021: Temporary Beautification work along Delaware Avenue. Spauling concrete and stone pad area north of Lancaster Avenue Extension removed and replaced, looking southwest West end of Lancaster Avenue Extension, looking east.

Photo 3: October 2021: Temporary Beautification work along Delaware Avenue. Geofabric placement prior to temporary topsoil cover placement, looking east. .

Photo 4: October 2021: Temporary Beautification work along Delaware Avenue. Topsoil placement and grading, looking southeast.

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: Cover system along eastern portion of Site along Linwood Avenue, looking north.

Photo 6: Cover system along northern portion of Site along Lafayette Avenue, looking west.

Photo 7: Lafayette Avenue and Canterbury Wood cover areas looking south.

Photo 8: Canterbury Woods cover system adjacent to temporary beautification area along Delaware Avenue, looking east.

SITE PHOTOGRAPHS

Photo 9:

Photo 10:

Photo 11:

Photo 12:

Photo 9: Lancaster Avenue Extension looking east.

Photo 10: Cover systems along Delaware Avenue and southwestern portion of the Site, looking south.

Photo 11: August 2021 Temporary Beautification work along parking lot in the southwestern portion of the Site, looking east.

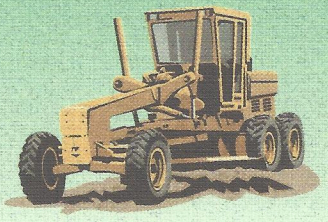
Photo 12: August 2021 Temporary Beautification work along parking lot in the southwestern portion of the Site, looking north.

APPENDIX C

TOPSOIL IMPORT DOCUMENTATION

R E LORENZ CONST. INC.

1200 Ransom Road
Lancaster, NY 14086-9724



(716) 684-7078

Fax (716) 651-9212

March 24, 2022

Montante Development
2760 Kenmore Ave.
Buffalo, NY 14150

To Whom It May Concern,

In 2021, we sold topsoil located at 1150 Ransom Road, Lancaster, NY 14086 to Montante Development and transported 300 yards of topsoil to Gates Circle aka Old Millard Fillmore Hospital.

REL

Rodney Lorenz
R E Lorenz Construction, Inc.

Chris Z. Boron

From: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Sent: Friday, August 13, 2021 9:43 AM
To: Chris Z. Boron
Cc: Tom H. Forbes; Walia, Jaspal (DEC); Christian Campos; Dan Crowther
Subject: Re: 3 Gates Circle - Topsoil Import Request

Chris -

The topsoil import request submitted August 12, 2021 is acceptable for use at 3 Gates Circle. Please make sure to note this import within the next PRR.

Sincerely,

Megan Kuczka
she/her/hers
Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, NY 14203
P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov
www.dec.ny.gov |

From: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Sent: Friday, August 13, 2021 8:51 AM
To: Chris Z. Boron <cboron@bm-tk.com>
Cc: Tom H. Forbes <TForbes@bm-tk.com>; Walia, Jaspal (DEC) <jaspal.walia@dec.ny.gov>; Christian Campos <ccampos@montante.com>; Dan Crowther <dcrowther@montante.com>
Subject: Re: 3 Gates Circle - Topsoil Import Request

Chris -

Your import request has been received. I will review and reach out with any questions.

Sincerely,

Megan Kuczka
she/her/hers
Environmental Program Specialist 1, Division of Environmental Remediation

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, NY 14203
P: (716) 851-7220 | F: (716) 851-7226 | Megan.Kuczka@dec.ny.gov
www.dec.ny.gov |

NEW YORK STATE | Department of Environmental Conservation

From: Chris Z. Boron <cboron@bm-tk.com>
Sent: Thursday, August 12, 2021 5:46 PM
To: Kuczka, Megan E (DEC) <Megan.Kuczka@dec.ny.gov>
Cc: Tom H. Forbes <TForbes@bm-tk.com>; Walia, Jaspal (DEC) <jaspal.walia@dec.ny.gov>; Christian Campos <ccampos@montante.com>; Dan Crowther <dcrowther@montante.com>
Subject: 3 Gates Circle - Topsoil Import Request

Hi Megan,
Attached is a topsoil import request for the 3 Gates Circle Site for a source on Ransom Road in Lancaster, NY.
The analytical results of the topsoil samples from up to 400 cubic yards of soil meet the Part 375 Restricted Residential SCOs for the Site.
As you discussed with Tom Forbes earlier today, the topsoil is being placed as a temporary beautification measure adjacent to the asphalt parking area and the Canterbury Wood building.
Geofabric will be placed on the ground surface prior to the topsoil placement and it will be seeded.
Please let me know if you have any questions.
Have a good evening.

Regards,

Christopher Boron, P.G.
Sr. Project Manager

TurnKey Environmental Restoration, LLC
Benchmark Civil/Environmental Engineering & Geology, PLLC
www.benchmarkturnkey.com
2558 Hamburg Turnpike, Suite 300, Buffalo, NY 14218
Phone: (716) 856-0635, *Mobile:* (716) 864-2726
Strong Advocates | Effective Solutions | Integrated Implementation

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? no

How many cubic yards of soil will be imported/reused? 300-400

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that would pass a size 80 sieve? yes

Is this virgin material from a permitted mine or quarry? no

Is this material recycled concrete or brick from a DEC registered processing facility? no

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

In accordance with NYSDEC DER-10, four (4) discrete VOC samples and one (1) composite sample (SVOCs, metals, PCBs, pesticides, 1,4-dioxane, and PFAS) were collected and analyzed to assess an approximate 300 cubic yard stockpile of topsoil. Analytical Report and Summary Table are attached to this request form.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

All results below DER-10, Appendix 5 listed values for Residential Use Sites, and Emergent Contaminant results are below the Departments guidelines.

3 Gates Circle Site is a Track 4 Restricted Residential Use Site.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Lorenz Construction - none.

Location where fill was obtained:

1200 Ransom Road, Lancaster, NY

Identification of any state or local approvals as a fill source:

NA

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Rural site - the topsoil is from earthwork for neighboring horse farm corral.

Provide a list of supporting documentation included with this request:

Analytical Report J188077-1
Summary Table of analytical results with comparative criteria.

The information provided on this form is accurate and complete.

Signature

8/12/2021

Date

Christopher Boron, P.G.

Print Name

As agent for Montante Construction, LLC

Benchmark Civil/Env. Eng. & Geology PLLC

Firm

Revised August 2014

BENCHMARK

SUMMARY OF RANSOM ROAD TOPSOIL ANALYTICAL DATA
3 GATES CIRCLE
BUFFALO, NEW YORK

PARAMETER[1]	Restricted Residential Use SCOs [2]	Ransom Topsoil Comp #1	Ransom Topsoil VOC#1	Ransom TopsoilVOC#2	Ransom Topsoil VOC#3	Ransom Topsoil VOC#4
		8/6/2021	8/6/2021	8/6/2021	8/6/2021	8/6/2021
Volatile Organic Compounds (VOCs) - mg/Kg [3]						
Trichloroethene	**21**	--	0.062 vs	0.022 vs	0.019 vs	0.026 vs
Semi-Volatile Organic Compounds (SVOCs) - mg/Kg [3]						
Fluoranthene	**100**	0.21 J	--	--	--	--
Pyrene	**100**	0.016 J	--	--	--	--
Total PAHs	--	0.226	--	--	--	--
1,4-Dioxane - mg/Kg						
1,4-Dioxane	**13**	ND	--	--	--	--
Perfluorinated Alkyl Acids ug/kg						
Perfluorobutanoic acid (PFBA)	--	0.28 J	--	--	--	--
Perfluoropentanoic acid (PFPeA)	--	ND	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	--	0.02 J	--	--	--	--
Perfluorohexanoic acid (PFHxA)	--	0.074 J	--	--	--	--
Perfluoroheptanoic acid (PFHpA)	--	0.073 J	--	--	--	--
Perfluorohexanesulfonic acid (PFHxS)	--	0.031 J	--	--	--	--
Perfluorooctanoic acid (PFOA)	**33**	0.33 J	--	--	--	--
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2FTS)	--	ND	--	--	--	--
Perfluoroheptanesulfonic acid (PFHpS)	--	ND	--	--	--	--
Perfluorononanoic acid (PFNA)	--	0.13 J	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	**44**	0.42 J	--	--	--	--
Perfluorodecanoic acid (PFDA)	--	0.047 J	--	--	--	--
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2FTS)	--	ND	--	--	--	--
N-Methyl Perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	ND	--	--	--	--
Perfluoroundecanoic Acid (PFUnA)	--	0.066 J	--	--	--	--
Perfluorodecanesulfonic acid (PFDS)	--	ND	--	--	--	--
Perfluorooctanesulfonamide (FOSA)	--	ND	--	--	--	--
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	ND	--	--	--	--
Perfluorododecanoic Acid (PFDoA)	--	ND	--	--	--	--
Perfluorotridecanoic Acid (PFTrDA)	--	0.022 J	--	--	--	--
Perfluorotetradecanoic acid (PFTA)		ND	--	--	--	--
Total Metals - mg/Kg						
Aluminum	--	16400				
Antimony	--	ND				
Arsenic, Total	**16**	5.7	--	--	--	--
Barium, Total	**400**	95.3	--	--	--	--
Beryllium, Total	**72**	0.71	--	--	--	--
Cadmium, Total	**4.3**	0.42	--	--	--	--
Calcium	--	12400 B	--	--	--	--
Chromium, Total	**180**	20.7	--	--	--	--
Cobalt	--	8.5	--	--	--	--
Copper, Total	**270**	16	--	--	--	--
Iron	--	22700	--	--	--	--
Lead, Total	**400**	106	--	--	--	--
Magnesium	--	7050	--	--	--	--
Manganese, Total	**2000**	342 B	--	--	--	--
Mercury, Total	**0.81**	0.083	--	--	--	--
Nickel, Total	**310**	22.2	--	--	--	--
Potassium	--	3110	--	--	--	--
Selenium, Total	**180**	1.3 J	--	--	--	--
Silver	**180**	ND	--	--	--	--
Sodium	--	123 J	--	--	--	--
Thallium	--	ND	--	--	--	--
Vanadium	--	32	--	--	--	--
Zinc, Total	**10000**	116	--	--	--	--
Polychlorinated biphenyls (PCBs) - mg/Kg [3]						
	--	ND	--	--	--	--
Total PCBs	**1**	--	--	--	--	--
Pesticides and Herbicides - mg/Kg [3]						
4,4'-DDD	**13**	0.0008 J	--	--	--	--
4,4'-DDE	**8.9**	0.00088 J	--	--	--	--
4,4'-DDT	**7.9**	0.0021 J	--	--	--	--
beta-BHC	**0.036**	0.0023 J	--	--	--	--
Endosulfan II	**24**	0.00049 J	--	--	--	--
Endrin aldehyde	--	0.0044	--	--	--	--
Endrine ketone	--	0.0016 J	--	--	--	--
gamma-BHC (Lindane)	**1.3**	0.0007 B,J	--	--	--	--
Methoxychlor	--	0.0017 J	--	--	--	--
Silvex (2,4,5-TP)	**100**	ND	--	--	--	--
Toxaphene	--	ND	--	--	--	--
trans-Chlordane	--	ND	--	--	--	--

Definitions:

ND = Parameter not detected above laboratory detection limit.

"--" = No value available for the parameter; Parameter not analysed for.

J = Estimated value; result is less than the sample quantitation limit but greater than zero.

B= Compound was found in the blank and sample.

vs = Reported analyte concentrations are below 200 ug/kg and may be biased low due to the

Bold = Exceeds Restricted-Residential SCOs

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-188077-1
Client Project/Site: Benchmark- Ransom Rd. topsoil

For:
Turnkey Environmental Restoration, LLC
2558 Hamburg Turnpike
Suite 300
Lackawanna, New York 14218

Attn: Mr. Christopher Z Boron

Authorized for release by:
8/12/2021 5:02:04 PM

Brian Fischer, Manager of Project Management
(716)504-9835
Brian.Fischer@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*3	ISTD response or retention time outside acceptable limits.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

LCMS

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-188077-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-188077-1

Comments
No additional comments.

Receipt
The samples were received on 8/6/2021 2:40 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.2º C.

GC/MS VOA
Method 8260C: Internal standard (ISTD) and/or surrogate standard response for the following samples were outside control limits: RANSOM TOPSOIL VOC #1 (480-188077-2) and RANSOM TOPSOIL VOC #2 (480-188077-3). The sample(s) were re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-592214 and analytical batch 480-592372 recovered within acceptable limits for this analyte and has been qualified with an "E" flag. (LCS 480-592214/2-A)

Method 8270D: The following sample was diluted due to color and appearance: RANSOM TOPSOIL COMP #1 (480-188077-1). Elevated reporting limits (RL) are provided.

Methods 8270D, 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 480-592372 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-592372 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-592372 recovered above the upper control limit for 4-Nitrophenol and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: RANSOM TOPSOIL COMP #1 (480-188077-1).

Method 8270D: Surrogate recovery of 2,4,6-Tribromophenol was above the upper acceptance limit in the laboratory control sample (LCS) associated with preparation batch 480-592372. This surrogate is not associated to the target analyte list; therefore, the results have been qualified and reported. The following sample is impacted: RANSOM TOPSOIL COMP #1 (480-188077-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Job ID: 480-188077-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 3550C: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: RANSOM TOPSOIL COMP #1 (480-188077-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL COMP #1 — Lab Sample ID: 480-188077-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	210	J	1200	130	ug/Kg	5	☼	8270D	Total/NA
Pyrene	160	J	1200	150	ug/Kg	5	☼	8270D	Total/NA
4,4'-DDD	0.80	J	2.4	0.47	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.88	J	2.4	0.51	ug/Kg	1	☼	8081B	Total/NA
4,4'-DDT	2.1	J	2.4	0.56	ug/Kg	1	☼	8081B	Total/NA
beta-BHC	2.3	J	2.4	0.43	ug/Kg	1	☼	8081B	Total/NA
Endosulfan II	0.49	J	2.4	0.43	ug/Kg	1	☼	8081B	Total/NA
Endrin aldehyde	4.4		2.4	0.62	ug/Kg	1	☼	8081B	Total/NA
Endrin ketone	1.6	J	2.4	0.59	ug/Kg	1	☼	8081B	Total/NA
gamma-BHC (Lindane)	0.70	J B	2.4	0.44	ug/Kg	1	☼	8081B	Total/NA
Methoxychlor	1.7	J	2.4	0.49	ug/Kg	1	☼	8081B	Total/NA
Perfluorobutanoic acid (PFBA)	0.28	J	0.72	0.23	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.074	J	0.29	0.032	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.073	J	0.29	0.029	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.33		0.29	0.036	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.13	J	0.29	0.026	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.047	J	0.29	0.017	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.066	J	0.29	0.029	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.022	J	0.29	0.022	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.020	J	0.29	0.013	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.031	J	0.29	0.020	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.42		0.29	0.023	ug/Kg	1	☼	537 (modified)	Total/NA
Aluminum	16400		14.4	6.3	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.7		2.9	0.58	mg/Kg	1	☼	6010C	Total/NA
Barium	95.3		0.72	0.16	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.71		0.29	0.040	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.42		0.29	0.043	mg/Kg	1	☼	6010C	Total/NA
Calcium	12400	B	72.1	4.8	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.7		0.72	0.29	mg/Kg	1	☼	6010C	Total/NA
Cobalt	8.5		0.72	0.072	mg/Kg	1	☼	6010C	Total/NA
Copper	16.0		1.4	0.30	mg/Kg	1	☼	6010C	Total/NA
Iron	22700		14.4	5.0	mg/Kg	1	☼	6010C	Total/NA
Lead	106		1.4	0.35	mg/Kg	1	☼	6010C	Total/NA
Magnesium	7050		28.8	1.3	mg/Kg	1	☼	6010C	Total/NA
Manganese	342	B	0.29	0.046	mg/Kg	1	☼	6010C	Total/NA
Nickel	22.2		7.2	0.33	mg/Kg	1	☼	6010C	Total/NA
Potassium	3110		43.3	28.8	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.3	J	5.8	0.58	mg/Kg	1	☼	6010C	Total/NA
Sodium	123	J	202	18.7	mg/Kg	1	☼	6010C	Total/NA
Vanadium	32.0		0.72	0.16	mg/Kg	1	☼	6010C	Total/NA
Zinc	116		2.9	0.92	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.083		0.033	0.0075	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: RANSOM TOPSOIL VOC #1 — Lab Sample ID: 480-188077-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	62	vs	7.9	1.7	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: RANSOM TOPSOIL VOC #2 — Lab Sample ID: 480-188077-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	22	vs	6.5	1.4	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Client Sample ID: RANSOM TOPSOIL VOC #3 — Lab Sample ID: 480-188077-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	19	vs	6.3	1.4	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: RANSOM TOPSOIL VOC #4 — Lab Sample ID: 480-188077-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	26	vs	7.5	1.6	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL COMP #1
Lab Sample ID: 480-188077-1
Date Collected: 08/06/21 13:00
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 67.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		730	400	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,4,5-Trichlorophenol	ND		1200	340	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,4,6-Trichlorophenol	ND		1200	250	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,4-Dichlorophenol	ND		1200	130	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,4-Dimethylphenol	ND		1200	300	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,4-Dinitrophenol	ND		12000	5700	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,4-Dinitrotoluene	ND		1200	260	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2,6-Dinitrotoluene	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2-Chloronaphthalene	ND		1200	200	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2-Chlorophenol	ND		2400	230	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2-Methylnaphthalene	ND		1200	250	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2-Methylphenol	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2-Nitroaniline	ND		2400	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
2-Nitrophenol	ND		1200	350	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
3,3'-Dichlorobenzidine	ND		2400	1500	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
3-Nitroaniline	ND		2400	340	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4,6-Dinitro-2-methylphenol	ND		2400	1200	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Bromophenyl phenyl ether	ND		1200	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Chloro-3-methylphenol	ND		1200	310	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Chloroaniline	ND		1200	310	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Chlorophenyl phenyl ether	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Methylphenol	ND		2400	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Nitroaniline	ND		2400	650	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
4-Nitrophenol	ND		2400	870	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Acenaphthene	ND		1200	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Acenaphthylene	ND		1200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Acetophenone	ND		1200	170	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Anthracene	ND		1200	310	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Atrazine	ND		1200	430	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Benzaldehyde	ND		1200	980	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Benzo[a]anthracene	ND		1200	120	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Benzo[a]pyrene	ND		1200	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Benzo[b]fluoranthene	ND		1200	200	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Benzo[g,h,i]perylene	ND		1200	130	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Benzo[k]fluoranthene	ND		1200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Biphenyl	ND		1200	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
bis (2-chloroisopropyl) ether	ND		1200	250	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Bis(2-chloroethoxy)methane	ND		1200	260	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Bis(2-chloroethyl)ether	ND		1200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Bis(2-ethylhexyl) phthalate	ND		1200	420	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Butyl benzyl phthalate	ND		1200	200	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Caprolactam	ND		1200	370	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Carbazole	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Chrysene	ND		1200	280	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Dibenz(a,h)anthracene	ND		1200	220	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Dibenzofuran	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Diethyl phthalate	ND		1200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Dimethyl phthalate	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Di-n-butyl phthalate	ND		1200	210	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Client Sample ID: RANSOM TOPSOIL COMP #1
Date Collected: 08/06/21 13:00
Date Received: 08/09/21 14:40

Lab Sample ID: 480-188077-1
Matrix: Solid
Percent Solids: 67.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Fluoranthene	**210**	**J**	1200	130	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Fluorene	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Hexachlorobenzene	ND		1200	170	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Hexachlorobutadiene	ND		1200	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Hexachlorocyclopentadiene	ND		1200	170	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Hexachloroethane	ND		1200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Indeno[1,2,3-cd]pyrene	ND		1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Isophorone	ND		1200	260	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Naphthalene	ND		1200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Nitrobenzene	ND		1200	140	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
N-Nitrosodi-n-propylamine	ND		1200	210	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
N-Nitrosodiphenylamine	ND		1200	1000	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Pentachlorophenol	ND		2400	1200	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Phenanthrene	ND		1200	180	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Phenol	ND		1200	190	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5
Pyrene	**160**	**J**	1200	150	ug/Kg	☼	08/09/21 15:03	08/10/21 21:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*54 - 120*	*08/09/21 15:03*	*08/10/21 21:55*	*5*
2-Fluorobiphenyl	*88*		*60 - 120*	*08/09/21 15:03*	*08/10/21 21:55*	*5*
2-Fluorophenol (Surr)	*70*		*52 - 120*	*08/09/21 15:03*	*08/10/21 21:55*	*5*
Nitrobenzene-d5 (Surr)	*81*		*53 - 120*	*08/09/21 15:03*	*08/10/21 21:55*	*5*
Phenol-d5 (Surr)	*76*		*54 - 120*	*08/09/21 15:03*	*08/10/21 21:55*	*5*
p-Terphenyl-d14 (Surr)	*98*		*79 - 130*	*08/09/21 15:03*	*08/10/21 21:55*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.80**	**J**	2.4	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
4,4'-DDE	**0.88**	**J**	2.4	0.51	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
4,4'-DDT	**2.1**	**J**	2.4	0.56	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Aldrin	ND		2.4	0.59	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
alpha-BHC	ND		2.4	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
cis-Chlordane	ND		2.4	1.2	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
beta-BHC	**2.3**	**J**	2.4	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
delta-BHC	ND		2.4	0.45	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Dieldrin	ND		2.4	0.58	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Endosulfan I	ND		2.4	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Endosulfan II	**0.49**	**J**	2.4	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Endosulfan sulfate	ND		2.4	0.45	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Endrin	ND		2.4	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Endrin aldehyde	**4.4**		2.4	0.62	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Endrin ketone	**1.6**	**J**	2.4	0.59	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
gamma-BHC (Lindane)	**0.70**	**J B**	2.4	0.44	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
trans-Chlordane	ND		2.4	0.77	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Heptachlor	ND		2.4	0.52	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Heptachlor epoxide	ND		2.4	0.62	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Methoxychlor	**1.7**	**J**	2.4	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1
Toxaphene	ND		24	14	ug/Kg	☼	08/10/21 07:20	08/11/21 15:26	1

Client Sample ID: RANSOM TOPSOIL COMP #1
Lab Sample ID: 480-188077-1

Date Collected: 08/06/21 13:00
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 67.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		45 - 120	08/10/21 07:20	08/11/21 15:26	1
Tetrachloro-m-xylene	93		30 - 124	08/10/21 07:20	08/11/21 15:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.33	0.065	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1
PCB-1221	ND		0.33	0.065	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1
PCB-1232	ND		0.33	0.065	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1
PCB-1242	ND		0.33	0.065	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1
PCB-1248	ND		0.33	0.065	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1
PCB-1254	ND		0.33	0.15	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1
PCB-1260	ND		0.33	0.15	mg/Kg	☼	08/10/21 15:07	08/11/21 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	97		60 - 154	08/10/21 15:07	08/11/21 15:12	1
DCB Decachlorobiphenyl	86		65 - 174	08/10/21 15:07	08/11/21 15:12	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		25	7.9	ug/Kg	☼	08/10/21 07:29	08/12/21 14:04	1
Silvex (2,4,5-TP)	ND		25	8.8	ug/Kg	☼	08/10/21 07:29	08/12/21 14:04	1
2,4-D	ND		25	15	ug/Kg	☼	08/10/21 07:29	08/12/21 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		28 - 129	08/10/21 07:29	08/12/21 14:04	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.28**	**J**	0.72	0.23	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluoropentanoic acid (PFPeA)	ND		0.29	0.056	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorohexanoic acid (PFHxA)	**0.074**	**J**	0.29	0.032	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluoroheptanoic acid (PFHpA)	**0.073**	**J**	0.29	0.029	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorooctanoic acid (PFOA)	**0.33**		0.29	0.036	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorononanoic acid (PFNA)	**0.13**	**J**	0.29	0.026	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorodecanoic acid (PFDA)	**0.047**	**J**	0.29	0.017	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluoroundecanoic acid (PFUnA)	**0.066**	**J**	0.29	0.029	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorododecanoic acid (PFDoA)	ND		0.29	0.030	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorotridecanoic acid (PFTriA)	**0.022**	**J**	0.29	0.022	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.29	0.033	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorobutanesulfonic acid (PFBS)	**0.020**	**J**	0.29	0.013	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorohexanesulfonic acid (PFHxS)	**0.031**	**J**	0.29	0.020	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.29	0.022	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorooctanesulfonic acid (PFOS)	**0.42**		0.29	0.023	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.29	0.017	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.29	0.025	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.9	0.053	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1

Client Sample ID: RANSOM TOPSOIL COMP #1
Lab Sample ID: 480-188077-1

Date Collected: 08/06/21 13:00
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 67.4

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.9	0.066	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		2.9	0.045	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.9	0.023	ug/Kg	☼	08/10/21 11:55	08/10/21 18:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*86*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C4 PFHpA	*83*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C4 PFOA	*86*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C4 PFOS	*85*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C5 PFNA	*84*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C4 PFBA	*79*		*25 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C2 PFHxA	*85*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C2 PFDA	*79*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C2 PFUnA	*81*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C2 PFDoA	*81*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C8 FOSA	*78*		*25 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C5 PFPeA	*88*		*25 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C2 PFTeDA	*81*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
d3-NMeFOSAA	*76*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
d5-NEtFOSAA	*78*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
M2-8:2 FTS	*86*		*25 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*
13C3 PFBS	*87*		*50 - 150*	*08/10/21 11:55*	*08/10/21 18:19*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**16400**		14.4	6.3	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Antimony	ND		21.6	0.58	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Arsenic	**5.7**		2.9	0.58	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Barium	**95.3**		0.72	0.16	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Beryllium	**0.71**		0.29	0.040	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Cadmium	**0.42**		0.29	0.043	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Calcium	**12400**	**B**	72.1	4.8	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Chromium	**20.7**		0.72	0.29	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Cobalt	**8.5**		0.72	0.072	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Copper	**16.0**		1.4	0.30	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Iron	**22700**		14.4	5.0	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Lead	**106**		1.4	0.35	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Magnesium	**7050**		28.8	1.3	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Manganese	**342**	**B**	0.29	0.046	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Nickel	**22.2**		7.2	0.33	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Potassium	**3110**		43.3	28.8	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Selenium	**1.3**	**J**	5.8	0.58	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Silver	ND		0.87	0.29	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Sodium	**123**	**J**	202	18.7	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Thallium	ND		8.7	0.43	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Vanadium	**32.0**		0.72	0.16	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1
Zinc	**116**		2.9	0.92	mg/Kg	☼	08/10/21 14:18	08/11/21 13:03	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL COMP #1
Lab Sample ID: 480-188077-1
Date Collected: 08/06/21 13:00
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 67.4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.083		0.033	0.0075	mg/Kg	☼	08/09/21 15:01	08/09/21 17:39	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #1
Lab Sample ID: 480-188077-2
Date Collected: 08/06/21 12:45
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 63.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	7.9	0.57	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	7.9	1.3	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,1,2-Trichloroethane	ND	vs	7.9	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	7.9	1.8	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,1-Dichloroethane	ND	vs	7.9	0.96	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,1-Dichloroethene	ND	vs	7.9	0.97	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,2,4-Trichlorobenzene	ND	*3 vs	7.9	0.48	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	7.9	3.9	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,2-Dichlorobenzene	ND	*3 vs	7.9	0.62	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,2-Dichloroethane	ND	vs	7.9	0.40	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,2-Dichloropropane	ND	vs	7.9	3.9	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,3-Dichlorobenzene	ND	*3 vs	7.9	0.41	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,4-Dichlorobenzene	ND	*3 vs	7.9	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
2-Butanone (MEK)	ND	vs	39	2.9	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
2-Hexanone	ND	vs	39	3.9	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
4-Methyl-2-pentanone (MIBK)	ND	vs	39	2.6	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Acetone	ND	vs	39	6.7	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Benzene	ND	vs	7.9	0.39	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Bromodichloromethane	ND	vs	7.9	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Bromoform	ND	vs	7.9	3.9	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Bromomethane	ND	vs	7.9	0.71	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Carbon disulfide	ND	vs	7.9	3.9	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Carbon tetrachloride	ND	vs	7.9	0.76	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Chlorobenzene	ND	vs	7.9	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Dibromochloromethane	ND	vs	7.9	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Chloroethane	ND	vs	7.9	1.8	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Chloroform	ND	vs	7.9	0.49	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Chloromethane	ND	vs	7.9	0.48	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
cis-1,2-Dichloroethene	ND	vs	7.9	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
cis-1,3-Dichloropropene	ND	vs	7.9	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Cyclohexane	ND	vs	7.9	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Dichlorodifluoromethane	ND	vs	7.9	0.65	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Ethylbenzene	ND	vs	7.9	0.54	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
1,2-Dibromoethane	ND	vs	7.9	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Isopropylbenzene	ND	*3 vs	7.9	1.2	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Methyl acetate	ND	vs	39	4.8	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Methyl tert-butyl ether	ND	vs	7.9	0.78	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Methylcyclohexane	ND	vs	7.9	1.2	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Methylene Chloride	ND	vs	7.9	3.6	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Styrene	ND	vs	7.9	0.39	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Tetrachloroethene	ND	vs	7.9	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Toluene	ND	vs	7.9	0.60	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
trans-1,2-Dichloroethene	ND	vs	7.9	0.82	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
trans-1,3-Dichloropropene	ND	vs	7.9	3.5	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Trichloroethene	**62**	**vs**	7.9	1.7	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Trichlorofluoromethane	ND	vs	7.9	0.75	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Vinyl chloride	ND	vs	7.9	0.96	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1
Xylenes, Total	ND	vs	16	1.3	ug/Kg	☼	08/10/21 19:20	08/10/21 20:45	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #1
Lab Sample ID: 480-188077-2
Date Collected: 08/06/21 12:45
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 63.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		71 - 125	08/10/21 19:20	08/10/21 20:45	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/10/21 19:20	08/10/21 20:45	1
4-Bromofluorobenzene (Surr)	83		72 - 126	08/10/21 19:20	08/10/21 20:45	1
Dibromofluoromethane (Surr)	107		60 - 140	08/10/21 19:20	08/10/21 20:45	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #2
Lab Sample ID: 480-188077-3
Date Collected: 08/06/21 12:50
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 77.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.5	0.47	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,1,2,2-Tetrachloroethane	ND	*3 vs	6.5	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,1,2-Trichloroethane	ND	vs	6.5	0.84	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.5	1.5	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,1-Dichloroethane	ND	vs	6.5	0.79	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,1-Dichloroethene	ND	vs	6.5	0.79	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,2,4-Trichlorobenzene	ND	*3 vs	6.5	0.39	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,2-Dibromo-3-Chloropropane	ND	*3 vs	6.5	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,2-Dichlorobenzene	ND	*3 vs	6.5	0.51	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,2-Dichloroethane	ND	vs	6.5	0.32	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,2-Dichloropropane	ND	vs	6.5	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,3-Dichlorobenzene	ND	*3 vs	6.5	0.33	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,4-Dichlorobenzene	ND	*3 vs	6.5	0.91	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
2-Butanone (MEK)	ND	vs	32	2.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
2-Hexanone	ND	vs	32	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32	2.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Acetone	ND	vs	32	5.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Benzene	ND	vs	6.5	0.32	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Bromodichloromethane	ND	vs	6.5	0.87	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Bromoform	ND	vs	6.5	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Bromomethane	ND	vs	6.5	0.58	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Carbon disulfide	ND	vs	6.5	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Carbon tetrachloride	ND	vs	6.5	0.63	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Chlorobenzene	ND	vs	6.5	0.85	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Dibromochloromethane	ND	vs	6.5	0.83	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Chloroethane	ND	vs	6.5	1.5	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Chloroform	ND	vs	6.5	0.40	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Chloromethane	ND	vs	6.5	0.39	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
cis-1,2-Dichloroethene	ND	vs	6.5	0.83	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
cis-1,3-Dichloropropene	ND	vs	6.5	0.93	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Cyclohexane	ND	vs	6.5	0.91	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Dichlorodifluoromethane	ND	vs	6.5	0.53	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Ethylbenzene	ND	vs	6.5	0.45	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
1,2-Dibromoethane	ND	vs	6.5	0.83	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Isopropylbenzene	ND	*3 vs	6.5	0.98	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Methyl acetate	ND	vs	32	3.9	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Methyl tert-butyl ether	ND	vs	6.5	0.64	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Methylcyclohexane	ND	vs	6.5	0.98	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Methylene Chloride	ND	vs	6.5	3.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Styrene	ND	vs	6.5	0.32	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Tetrachloroethene	ND	vs	6.5	0.87	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Toluene	ND	vs	6.5	0.49	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
trans-1,2-Dichloroethene	ND	vs	6.5	0.67	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
trans-1,3-Dichloropropene	ND	vs	6.5	2.8	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Trichloroethene	**22**	**vs**	6.5	1.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Trichlorofluoromethane	ND	vs	6.5	0.61	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Vinyl chloride	ND	vs	6.5	0.79	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:09	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #2
Lab Sample ID: 480-188077-3
Date Collected: 08/06/21 12:50
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 77.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	114		71 - 125	08/10/21 19:20	08/10/21 21:09	1
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	08/10/21 19:20	08/10/21 21:09	1
4-Bromofluorobenzene (Surr)	82		72 - 126	08/10/21 19:20	08/10/21 21:09	1
Dibromofluoromethane (Surr)	107		60 - 140	08/10/21 19:20	08/10/21 21:09	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Client Sample ID: RANSOM TOPSOIL VOC #3
Date Collected: 08/06/21 12:53
Date Received: 08/09/21 14:40

Lab Sample ID: 480-188077-4
Matrix: Solid
Percent Solids: 77.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.3	0.46	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,1,2,2-Tetrachloroethane	ND	vs	6.3	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,1,2-Trichloroethane	ND	vs	6.3	0.82	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.3	1.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,1-Dichloroethane	ND	vs	6.3	0.77	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,1-Dichloroethene	ND	vs	6.3	0.77	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,2,4-Trichlorobenzene	ND	vs	6.3	0.38	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.3	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,2-Dichlorobenzene	ND	vs	6.3	0.50	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,2-Dichloroethane	ND	vs	6.3	0.32	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,2-Dichloropropane	ND	vs	6.3	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,3-Dichlorobenzene	ND	vs	6.3	0.33	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,4-Dichlorobenzene	ND	vs	6.3	0.89	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
2-Butanone (MEK)	ND	vs	32	2.3	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
2-Hexanone	ND	vs	32	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32	2.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Acetone	ND	vs	32	5.3	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Benzene	ND	vs	6.3	0.31	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Bromodichloromethane	ND	vs	6.3	0.85	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Bromoform	ND	vs	6.3	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Bromomethane	ND	vs	6.3	0.57	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Carbon disulfide	ND	vs	6.3	3.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Carbon tetrachloride	ND	vs	6.3	0.61	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Chlorobenzene	ND	vs	6.3	0.84	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Dibromochloromethane	ND	vs	6.3	0.81	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Chloroethane	ND	vs	6.3	1.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Chloroform	ND	vs	6.3	0.39	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Chloromethane	ND	vs	6.3	0.38	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
cis-1,2-Dichloroethene	ND	vs	6.3	0.81	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
cis-1,3-Dichloropropene	ND	vs	6.3	0.91	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Cyclohexane	ND	vs	6.3	0.89	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Dichlorodifluoromethane	ND	vs	6.3	0.52	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Ethylbenzene	ND	vs	6.3	0.44	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
1,2-Dibromoethane	ND	vs	6.3	0.81	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Isopropylbenzene	ND	vs	6.3	0.95	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Methyl acetate	ND	vs	32	3.8	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Methyl tert-butyl ether	ND	vs	6.3	0.62	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Methylcyclohexane	ND	vs	6.3	0.96	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Methylene Chloride	ND	vs	6.3	2.9	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Styrene	ND	vs	6.3	0.32	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Tetrachloroethene	ND	vs	6.3	0.85	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Toluene	ND	vs	6.3	0.48	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
trans-1,2-Dichloroethene	ND	vs	6.3	0.65	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
trans-1,3-Dichloropropene	ND	vs	6.3	2.8	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Trichloroethene	**19**	**vs**	6.3	1.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Trichlorofluoromethane	ND	vs	6.3	0.60	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Vinyl chloride	ND	vs	6.3	0.77	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:33	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #3
Lab Sample ID: 480-188077-4
Date Collected: 08/06/21 12:53
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 77.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		71 - 125	08/10/21 19:20	08/10/21 21:33	1
1,2-Dichloroethane-d4 (Surr)	109		64 - 126	08/10/21 19:20	08/10/21 21:33	1
4-Bromofluorobenzene (Surr)	95		72 - 126	08/10/21 19:20	08/10/21 21:33	1
Dibromofluoromethane (Surr)	111		60 - 140	08/10/21 19:20	08/10/21 21:33	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #4
Lab Sample ID: 480-188077-5
Date Collected: 08/06/21 12:57
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 66.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	7.5	0.54	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,1,2,2-Tetrachloroethane	ND	vs	7.5	1.2	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,1,2-Trichloroethane	ND	vs	7.5	0.97	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	7.5	1.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,1-Dichloroethane	ND	vs	7.5	0.91	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,1-Dichloroethene	ND	vs	7.5	0.92	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,2,4-Trichlorobenzene	ND	vs	7.5	0.46	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,2-Dibromo-3-Chloropropane	ND	vs	7.5	3.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,2-Dichlorobenzene	ND	vs	7.5	0.59	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,2-Dichloroethane	ND	vs	7.5	0.38	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,2-Dichloropropane	ND	vs	7.5	3.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,3-Dichlorobenzene	ND	vs	7.5	0.39	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,4-Dichlorobenzene	ND	vs	7.5	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
2-Butanone (MEK)	ND	vs	37	2.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
2-Hexanone	ND	vs	37	3.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
4-Methyl-2-pentanone (MIBK)	ND	vs	37	2.5	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Acetone	ND	vs	37	6.3	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Benzene	ND	vs	7.5	0.37	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Bromodichloromethane	ND	vs	7.5	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Bromoform	ND	vs	7.5	3.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Bromomethane	ND	vs	7.5	0.67	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Carbon disulfide	ND	vs	7.5	3.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Carbon tetrachloride	ND	vs	7.5	0.73	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Chlorobenzene	ND	vs	7.5	0.99	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Dibromochloromethane	ND	vs	7.5	0.96	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Chloroethane	ND	vs	7.5	1.7	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Chloroform	ND	vs	7.5	0.46	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Chloromethane	ND	vs	7.5	0.45	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
cis-1,2-Dichloroethene	ND	vs	7.5	0.96	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
cis-1,3-Dichloropropene	ND	vs	7.5	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Cyclohexane	ND	vs	7.5	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Dichlorodifluoromethane	ND	vs	7.5	0.62	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Ethylbenzene	ND	vs	7.5	0.52	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
1,2-Dibromoethane	ND	vs	7.5	0.96	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Isopropylbenzene	ND	vs	7.5	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Methyl acetate	ND	vs	37	4.5	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Methyl tert-butyl ether	ND	vs	7.5	0.74	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Methylcyclohexane	ND	vs	7.5	1.1	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Methylene Chloride	ND	vs	7.5	3.4	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Styrene	ND	vs	7.5	0.37	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Tetrachloroethene	ND	vs	7.5	1.0	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Toluene	ND	vs	7.5	0.57	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
trans-1,2-Dichloroethene	ND	vs	7.5	0.77	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
trans-1,3-Dichloropropene	ND	vs	7.5	3.3	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Trichloroethene	**26**	**vs**	7.5	1.6	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Trichlorofluoromethane	ND	vs	7.5	0.71	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Vinyl chloride	ND	vs	7.5	0.91	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1
Xylenes, Total	ND	vs	15	1.3	ug/Kg	☼	08/10/21 19:20	08/10/21 21:57	1

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Client Sample ID: RANSOM TOPSOIL VOC #4
Lab Sample ID: 480-188077-5
Date Collected: 08/06/21 12:57
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 66.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		71 - 125	08/10/21 19:20	08/10/21 21:57	1
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/10/21 19:20	08/10/21 21:57	1
4-Bromofluorobenzene (Surr)	93		72 - 126	08/10/21 19:20	08/10/21 21:57	1
Dibromofluoromethane (Surr)	110		60 - 140	08/10/21 19:20	08/10/21 21:57	1

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(71-125)	(64-126)	(72-126)	(60-140)
480-188077-2	RANSOM TOPSOIL VOC #1	114	106	83	107
480-188077-3	RANSOM TOPSOIL VOC #2	114	103	82	107
480-188077-4	RANSOM TOPSOIL VOC #3	110	109	95	111
480-188077-5	RANSOM TOPSOIL VOC #4	108	106	93	110
LCS 480-592433/1-A	Lab Control Sample	97	101	102	100
MB 480-592433/2-A	Method Blank	100	99	106	107

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHd14
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(79-130)
480-188077-1	RANSOM TOPSOIL COMP #1	104	88	70	81	76	98
LCS 480-592214/2-A	Lab Control Sample	127 S1+	91	75	90	81	110
MB 480-592214/1-A	Method Blank	104	83	73	82	77	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(45-120)	(30-124)
480-188077-1	RANSOM TOPSOIL COMP #1	87	93
LCS 480-592259/2-A	Lab Control Sample	82	75
MB 480-592259/1-A	Method Blank	78	75

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-188077-1	RANSOM TOPSOIL COMP #1	97	86

Surrogate Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
LCS 480-592384/2-A	Lab Control Sample	148	145
MB 480-592384/1-A	Method Blank	110	105

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		DCPAA1
Lab Sample ID	Client Sample ID	(28-129)
480-188077-1	RANSOM TOPSOIL COMP #1	66
LCS 480-592261/2-A	Lab Control Sample	77
MB 480-592261/1-A	Method Blank	73

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFHxS	C4PFHA	PFOA	PFOS	PFNA	PFBA	PFHxA	PFDA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(25-150)	(50-150)	(50-150)
480-188077-1	RANSOM TOPSOIL COMP #1	86	83	86	85	84	79	85	79
480-188077-1 MS	RANSOM TOPSOIL COMP #1	97	88	92	89	89	85	94	92
480-188077-1 MSD	RANSOM TOPSOIL COMP #1	79	72	78	73	71	69	74	71
LCS 200-170026/2-A	Lab Control Sample	95	95	97	94	92	89	93	88
MB 200-170026/1-A	Method Blank	90	89	89	86	87	85	91	82

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA	PFDoA	PFOSA	PFPeA	PFTDA	d3NMFOS	d5NEFOS	M262FTS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(25-150)	(25-150)	(50-150)	(50-150)	(50-150)	(25-150)
480-188077-1	RANSOM TOPSOIL COMP #1	81	81	78	88	81	76	78	96
480-188077-1 MS	RANSOM TOPSOIL COMP #1	82	85	87	91	83	85	86	96
480-188077-1 MSD	RANSOM TOPSOIL COMP #1	70	69	69	75	70	61	70	85
LCS 200-170026/2-A	Lab Control Sample	81	75	84	98	80	80	82	105
MB 200-170026/1-A	Method Blank	75	74	77	92	75	87	73	93

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		M282FTS	C3PFBS
Lab Sample ID	Client Sample ID	(25-150)	(50-150)
480-188077-1	RANSOM TOPSOIL COMP #1	86	87
480-188077-1 MS	RANSOM TOPSOIL COMP #1	92	96
480-188077-1 MSD	RANSOM TOPSOIL COMP #1	78	77
LCS 200-170026/2-A	Lab Control Sample	91	101
MB 200-170026/1-A	Method Blank	83	92

Surrogate Legend

PFHxS = 18O2 PFHxS
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFNA = 13C5 PFNA
PFBA = 13C4 PFBA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFOSA = 13C8 FOSA
PFPeA = 13C5 PFPeA
PFTDA = 13C2 PFTeDA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
C3PFBS = 13C3 PFBS

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-592433/2-A
Matrix: Solid
Analysis Batch: 592414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592433

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.36	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.81	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2-Trichloroethane	ND		5.0	0.65	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1-Dichloroethane	ND		5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1-Dichloroethene	ND		5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichlorobenzene	ND		5.0	0.39	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichloroethane	ND		5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichloropropane	ND		5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,3-Dichlorobenzene	ND		5.0	0.26	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,4-Dichlorobenzene	ND		5.0	0.70	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
2-Butanone (MEK)	ND		25	1.8	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
2-Hexanone	ND		25	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
4-Methyl-2-pentanone (MIBK)	ND		25	1.6	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Acetone	ND		25	4.2	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Benzene	ND		5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromodichloromethane	ND		5.0	0.67	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromoform	ND		5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromomethane	ND		5.0	0.45	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Carbon disulfide	ND		5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Carbon tetrachloride	ND		5.0	0.48	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chlorobenzene	ND		5.0	0.66	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Dibromochloromethane	ND		5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloroethane	ND		5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloroform	ND		5.0	0.31	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloromethane	ND		5.0	0.30	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
cis-1,2-Dichloroethene	ND		5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
cis-1,3-Dichloropropene	ND		5.0	0.72	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Cyclohexane	ND		5.0	0.70	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Dichlorodifluoromethane	ND		5.0	0.41	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Ethylbenzene	ND		5.0	0.35	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dibromoethane	ND		5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Isopropylbenzene	ND		5.0	0.75	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methyl acetate	ND		25	3.0	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methyl tert-butyl ether	ND		5.0	0.49	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methylcyclohexane	ND		5.0	0.76	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methylene Chloride	ND		5.0	2.3	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Styrene	ND		5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Tetrachloroethene	ND		5.0	0.67	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Toluene	ND		5.0	0.38	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
trans-1,2-Dichloroethene	ND		5.0	0.52	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
trans-1,3-Dichloropropene	ND		5.0	2.2	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Trichloroethene	ND		5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Trichlorofluoromethane	ND		5.0	0.47	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Vinyl chloride	ND		5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Xylenes, Total	ND		10	0.84	ug/Kg		08/10/21 19:20	08/10/21 20:11	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-592433/2-A
Matrix: Solid
Analysis Batch: 592414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592433

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*71 - 125*	*08/10/21 19:20*	*08/10/21 20:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*08/10/21 19:20*	*08/10/21 20:11*	*1*
4-Bromofluorobenzene (Surr)	*106*		*72 - 126*	*08/10/21 19:20*	*08/10/21 20:11*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*08/10/21 19:20*	*08/10/21 20:11*	*1*

Lab Sample ID: LCS 480-592433/1-A
Matrix: Solid
Analysis Batch: 592414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	49.0		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	80 - 120
1,1,2-Trichloroethane	50.0	47.9		ug/Kg		96	78 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.4		ug/Kg		95	60 - 140
1,1-Dichloroethane	50.0	48.6		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	48.5		ug/Kg		97	59 - 125
1,2,4-Trichlorobenzene	50.0	49.8		ug/Kg		100	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.6		ug/Kg		93	63 - 124
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	49.5		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	227		ug/Kg		91	70 - 134
2-Hexanone	250	232		ug/Kg		93	59 - 130
4-Methyl-2-pentanone (MIBK)	250	216		ug/Kg		86	65 - 133
Acetone	250	234		ug/Kg		93	61 - 137
Benzene	50.0	50.4		ug/Kg		101	79 - 127
Bromodichloromethane	50.0	50.0		ug/Kg		100	80 - 122
Bromoform	50.0	49.8		ug/Kg		100	68 - 126
Bromomethane	50.0	53.6		ug/Kg		107	37 - 149
Carbon disulfide	50.0	50.2		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	50.5		ug/Kg		101	75 - 135
Chlorobenzene	50.0	49.6		ug/Kg		99	76 - 124
Dibromochloromethane	50.0	50.9		ug/Kg		102	76 - 125
Chloroethane	50.0	51.1		ug/Kg		102	69 - 135
Chloroform	50.0	48.3		ug/Kg		97	80 - 120
Chloromethane	50.0	46.1		ug/Kg		92	63 - 127
cis-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	81 - 120
cis-1,3-Dichloropropene	50.0	51.7		ug/Kg		103	80 - 120
Cyclohexane	50.0	43.5		ug/Kg		87	65 - 120
Dichlorodifluoromethane	50.0	47.6		ug/Kg		95	57 - 142
Ethylbenzene	50.0	48.9		ug/Kg		98	80 - 120
1,2-Dibromoethane	50.0	49.1		ug/Kg		98	78 - 120
Isopropylbenzene	50.0	49.1		ug/Kg		98	72 - 120
Methyl acetate	100	85.7		ug/Kg		86	55 - 136
Methyl tert-butyl ether	50.0	46.9		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	47.5		ug/Kg		95	60 - 140

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-592433/1-A
Matrix: Solid
Analysis Batch: 592414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	51.9		ug/Kg		104	61 - 127
Styrene	50.0	49.6		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	49.7		ug/Kg		99	74 - 122
Toluene	50.0	48.9		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	78 - 126
trans-1,3-Dichloropropene	50.0	48.5		ug/Kg		97	73 - 123
Trichloroethene	50.0	49.4		ug/Kg		99	77 - 129
Trichlorofluoromethane	50.0	48.5		ug/Kg		97	65 - 146
Vinyl chloride	50.0	48.5		ug/Kg		97	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*71 - 125*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*
4-Bromofluorobenzene (Surr)	*102*		*72 - 126*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-592214/1-A
Matrix: Solid
Analysis Batch: 592372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		98	54	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4,5-Trichlorophenol	ND		170	45	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4,6-Trichlorophenol	ND		170	33	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dichlorophenol	ND		170	18	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dimethylphenol	ND		170	40	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dinitrophenol	ND		1600	760	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dinitrotoluene	ND		170	34	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,6-Dinitrotoluene	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Chloronaphthalene	ND		170	27	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Chlorophenol	ND		320	30	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Methylnaphthalene	ND		170	33	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Methylphenol	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Nitroaniline	ND		320	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Nitrophenol	ND		170	47	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
3,3'-Dichlorobenzidine	ND		320	200	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
3-Nitroaniline	ND		320	46	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4,6-Dinitro-2-methylphenol	ND		320	170	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Bromophenyl phenyl ether	ND		170	23	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Chloro-3-methylphenol	ND		170	41	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Chloroaniline	ND		170	41	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Chlorophenyl phenyl ether	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Methylphenol	ND		320	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Nitroaniline	ND		320	87	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Nitrophenol	ND		320	120	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Acenaphthene	ND		170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Acenaphthylene	ND		170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-592214/1-A
Matrix: Solid
Analysis Batch: 592372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	ND		170	22	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Anthracene	ND		170	41	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Atrazine	ND		170	58	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzaldehyde	ND		170	130	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[a]anthracene	ND		170	17	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[a]pyrene	ND		170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[k]fluoranthene	ND		170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Biphenyl	ND		170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
bis (2-chloroisopropyl) ether	ND		170	33	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Bis(2-chloroethoxy)methane	ND		170	35	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Bis(2-chloroethyl)ether	ND		170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Bis(2-ethylhexyl) phthalate	ND		170	57	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Butyl benzyl phthalate	ND		170	27	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Caprolactam	ND		170	50	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Carbazole	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Chrysene	ND		170	37	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Dibenzofuran	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Diethyl phthalate	ND		170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Dimethyl phthalate	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Di-n-butyl phthalate	ND		170	28	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Di-n-octyl phthalate	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Fluoranthene	ND		170	18	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Fluorene	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachlorobenzene	ND		170	22	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachlorobutadiene	ND		170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachlorocyclopentadiene	ND		170	22	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachloroethane	ND		170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Indeno[1,2,3-cd]pyrene	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Isophorone	ND		170	35	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Naphthalene	ND		170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Nitrobenzene	ND		170	19	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
N-Nitrosodi-n-propylamine	ND		170	28	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
N-Nitrosodiphenylamine	ND		170	130	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Pentachlorophenol	ND		320	170	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Phenanthrene	ND		170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Phenol	ND		170	25	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Pyrene	ND		170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*54 - 120*	*08/09/21 15:03*	*08/10/21 17:08*	*1*
2-Fluorobiphenyl	*83*		*60 - 120*	*08/09/21 15:03*	*08/10/21 17:08*	*1*
2-Fluorophenol (Surr)	*73*		*52 - 120*	*08/09/21 15:03*	*08/10/21 17:08*	*1*
Nitrobenzene-d5 (Surr)	*82*		*53 - 120*	*08/09/21 15:03*	*08/10/21 17:08*	*1*
Phenol-d5 (Surr)	*77*		*54 - 120*	*08/09/21 15:03*	*08/10/21 17:08*	*1*
p-Terphenyl-d14 (Surr)	*101*		*79 - 130*	*08/09/21 15:03*	*08/10/21 17:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-592214/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 592372
Prep Batch: 592214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1660	645		ug/Kg		39	23 - 120
2,4,5-Trichlorophenol	1660	1650		ug/Kg		99	59 - 126
2,4,6-Trichlorophenol	1660	1630		ug/Kg		98	59 - 123
2,4-Dichlorophenol	1660	1570		ug/Kg		95	61 - 120
2,4-Dimethylphenol	1660	1620		ug/Kg		97	59 - 120
2,4-Dinitrophenol	3320	3190		ug/Kg		96	41 - 146
2,4-Dinitrotoluene	1660	1610		ug/Kg		97	63 - 120
2,6-Dinitrotoluene	1660	1580		ug/Kg		95	66 - 120
2-Chloronaphthalene	1660	1440		ug/Kg		87	57 - 120
2-Chlorophenol	1660	1360		ug/Kg		82	53 - 120
2-Methylnaphthalene	1660	1440		ug/Kg		87	59 - 120
2-Methylphenol	1660	1370		ug/Kg		82	54 - 120
2-Nitroaniline	1660	1620		ug/Kg		98	61 - 120
2-Nitrophenol	1660	1480		ug/Kg		89	56 - 120
3,3'-Dichlorobenzidine	3320	3140		ug/Kg		95	54 - 120
3-Nitroaniline	1660	1270		ug/Kg		76	48 - 120
4,6-Dinitro-2-methylphenol	3320	3390		ug/Kg		102	49 - 122
4-Bromophenyl phenyl ether	1660	1950		ug/Kg		117	58 - 120
4-Chloro-3-methylphenol	1660	1700		ug/Kg		102	61 - 120
4-Chloroaniline	1660	1340		ug/Kg		81	38 - 120
4-Chlorophenyl phenyl ether	1660	1620		ug/Kg		98	63 - 124
4-Methylphenol	1660	1390		ug/Kg		84	55 - 120
4-Nitroaniline	1660	1470		ug/Kg		88	56 - 120
4-Nitrophenol	3320	4010		ug/Kg		121	43 - 147
Acenaphthene	1660	1470		ug/Kg		89	62 - 120
Acenaphthylene	1660	1600		ug/Kg		97	58 - 121
Acetophenone	1660	1450		ug/Kg		87	54 - 120
Anthracene	1660	1670		ug/Kg		101	62 - 120
Atrazine	3320	3290		ug/Kg		99	60 - 127
Benzaldehyde	3320	2690	E	ug/Kg		81	10 - 150
Benzo[a]anthracene	1660	1650		ug/Kg		99	65 - 120
Benzo[a]pyrene	1660	1660		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1660	1750		ug/Kg		105	64 - 120
Benzo[g,h,i]perylene	1660	1650		ug/Kg		99	45 - 145
Benzo[k]fluoranthene	1660	1680		ug/Kg		101	65 - 120
Biphenyl	1660	1430		ug/Kg		86	59 - 120
bis (2-chloroisopropyl) ether	1660	984		ug/Kg		59	44 - 120
Bis(2-chloroethoxy)methane	1660	1410		ug/Kg		85	55 - 120
Bis(2-chloroethyl)ether	1660	1240		ug/Kg		74	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1780		ug/Kg		107	61 - 133
Butyl benzyl phthalate	1660	1700		ug/Kg		102	61 - 129
Caprolactam	3320	2990		ug/Kg		90	47 - 120
Carbazole	1660	1640		ug/Kg		99	65 - 120
Chrysene	1660	1630		ug/Kg		98	64 - 120
Dibenz(a,h)anthracene	1660	1740		ug/Kg		105	54 - 132
Dibenzofuran	1660	1520		ug/Kg		92	63 - 120
Diethyl phthalate	1660	1730		ug/Kg		104	66 - 120
Dimethyl phthalate	1660	1650		ug/Kg		99	65 - 124

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-592214/2-A
Matrix: Solid
Analysis Batch: 592372

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Di-n-butyl phthalate	1660	1810		ug/Kg		109	58 - 130
Di-n-octyl phthalate	1660	1630		ug/Kg		98	57 - 133
Fluoranthene	1660	1690		ug/Kg		102	62 - 120
Fluorene	1660	1530		ug/Kg		92	63 - 120
Hexachlorobenzene	1660	2000		ug/Kg		120	60 - 120
Hexachlorobutadiene	1660	1710		ug/Kg		103	45 - 120
Hexachlorocyclopentadiene	1660	1580		ug/Kg		95	47 - 120
Hexachloroethane	1660	1350		ug/Kg		81	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1650		ug/Kg		99	56 - 134
Isophorone	1660	1530		ug/Kg		92	56 - 120
Naphthalene	1660	1410		ug/Kg		85	55 - 120
Nitrobenzene	1660	1400		ug/Kg		84	54 - 120
N-Nitrosodi-n-propylamine	1660	1400		ug/Kg		84	52 - 120
N-Nitrosodiphenylamine	1660	1670		ug/Kg		101	51 - 128
Pentachlorophenol	3320	3670		ug/Kg		111	51 - 120
Phenanthrene	1660	1620		ug/Kg		98	60 - 120
Phenol	1660	1280		ug/Kg		77	53 - 120
Pyrene	1660	1680		ug/Kg		101	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*127*	*S1+*	*54 - 120*
2-Fluorobiphenyl	*91*		*60 - 120*
2-Fluorophenol (Surr)	*75*		*52 - 120*
Nitrobenzene-d5 (Surr)	*90*		*53 - 120*
Phenol-d5 (Surr)	*81*		*54 - 120*
p-Terphenyl-d14 (Surr)	*110*		*79 - 130*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-592259/1-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDE	ND		1.6	0.34	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDT	ND		1.6	0.38	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Aldrin	ND		1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
alpha-BHC	ND		1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
cis-Chlordane	ND		1.6	0.82	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
beta-BHC	ND		1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
delta-BHC	ND		1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Dieldrin	ND		1.6	0.39	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan I	ND		1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan II	ND		1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan sulfate	ND		1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin	ND		1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin aldehyde	ND		1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin ketone	ND		1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-592259/1-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.485	J	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
trans-Chlordane	ND		1.6	0.52	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor	ND		1.6	0.36	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor epoxide	ND		1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Methoxychlor	ND		1.6	0.33	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Toxaphene	ND		16	9.5	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*45 - 120*	*08/10/21 07:20*	*08/11/21 09:54*	*1*
Tetrachloro-m-xylene	*75*		*30 - 124*	*08/10/21 07:20*	*08/11/21 09:54*	*1*

Lab Sample ID: LCS 480-592259/2-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	16.2		ug/Kg		99	56 - 120
4,4'-DDE	16.4	12.6		ug/Kg		76	44 - 120
4,4'-DDT	16.4	17.4		ug/Kg		106	38 - 120
Aldrin	16.4	11.8		ug/Kg		72	38 - 120
alpha-BHC	16.4	11.3		ug/Kg		68	39 - 120
cis-Chlordane	16.4	11.0		ug/Kg		67	47 - 120
beta-BHC	16.4	13.6		ug/Kg		83	40 - 120
delta-BHC	16.4	13.2		ug/Kg		80	45 - 120
Dieldrin	16.4	14.8		ug/Kg		90	58 - 120
Endosulfan I	16.4	13.8		ug/Kg		84	49 - 120
Endosulfan II	16.4	16.3		ug/Kg		99	55 - 120
Endosulfan sulfate	16.4	18.5		ug/Kg		112	49 - 124
Endrin	16.4	15.8		ug/Kg		96	58 - 120
Endrin aldehyde	16.4	13.5		ug/Kg		82	37 - 121
Endrin ketone	16.4	16.4		ug/Kg		100	46 - 123
gamma-BHC (Lindane)	16.4	12.8		ug/Kg		78	50 - 120
trans-Chlordane	16.4	14.2		ug/Kg		87	48 - 120
Heptachlor	16.4	13.4		ug/Kg		81	50 - 120
Heptachlor epoxide	16.4	14.3		ug/Kg		87	50 - 120
Methoxychlor	16.4	19.6		ug/Kg		119	58 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*45 - 120*
Tetrachloro-m-xylene	*75*		*30 - 124*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-592384/1-A
Matrix: Solid
Analysis Batch: 592532

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1221	ND		0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1232	ND		0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1242	ND		0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1248	ND		0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1254	ND		0.24	0.11	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1260	ND		0.24	0.11	mg/Kg		08/10/21 15:07	08/11/21 15:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*08/10/21 15:07*	*08/11/21 15:25*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*08/10/21 15:07*	*08/11/21 15:25*	*1*

Lab Sample ID: LCS 480-592384/2-A
Matrix: Solid
Analysis Batch: 592532

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.16	2.82		mg/Kg		131	51 - 185
PCB-1260	2.16	2.86		mg/Kg		133	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*148*		*60 - 154*
DCB Decachlorobiphenyl	*145*		*65 - 174*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-592261/1-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T	ND		17	5.3	ug/Kg		08/10/21 07:29	08/12/21 14:34	1
Silvex (2,4,5-TP)	ND		17	6.0	ug/Kg		08/10/21 07:29	08/12/21 14:34	1
2,4-D	ND		17	10	ug/Kg		08/10/21 07:29	08/12/21 14:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*73*		*28 - 129*	*08/10/21 07:29*	*08/12/21 14:34*	*1*

Lab Sample ID: LCS 480-592261/2-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592261

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-T	66.4	44.3		ug/Kg		67	41 - 120
Silvex (2,4,5-TP)	66.4	43.6		ug/Kg		66	39 - 125
2,4-D	66.4	43.4		ug/Kg		65	40 - 120

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-592261/2-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592261

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	77		28 - 129

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-170026/1-A
Matrix: Solid
Analysis Batch: 170048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		0.50	0.16	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluoropentanoic acid (PFPeA)	ND		0.20	0.039	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorohexanoic acid (PFHxA)	ND		0.20	0.022	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluoroheptanoic acid (PFHpA)	ND		0.20	0.020	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorooctanoic acid (PFOA)	ND		0.20	0.025	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorononanoic acid (PFNA)	ND		0.20	0.018	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorodecanoic acid (PFDA)	ND		0.20	0.012	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluoroundecanoic acid (PFUnA)	ND		0.20	0.020	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorododecanoic acid (PFDoA)	ND		0.20	0.021	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorotridecanoic acid (PFTriA)	ND		0.20	0.015	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		0.20	0.023	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		0.20	0.0093	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		0.20	0.014	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		0.20	0.015	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		0.20	0.016	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		0.20	0.012	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
Perfluorooctanesulfonamide (PFOSA)	ND		0.20	0.017	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.0	0.037	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.0	0.046	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		2.0	0.031	ug/Kg		08/10/21 11:55	08/10/21 18:02	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.016	ug/Kg		08/10/21 11:55	08/10/21 18:02	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	90		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C4 PFHpA	89		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C4 PFOA	89		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C4 PFOS	86		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C5 PFNA	87		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C4 PFBA	85		25 - 150	08/10/21 11:55	08/10/21 18:02	1
13C2 PFHxA	91		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C2 PFDA	82		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C2 PFUnA	75		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C2 PFDoA	74		50 - 150	08/10/21 11:55	08/10/21 18:02	1
13C8 FOSA	77		25 - 150	08/10/21 11:55	08/10/21 18:02	1
13C5 PFPeA	92		25 - 150	08/10/21 11:55	08/10/21 18:02	1
13C2 PFTeDA	75		50 - 150	08/10/21 11:55	08/10/21 18:02	1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-170026/1-A
Matrix: Solid
Analysis Batch: 170048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170026

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	87		50 - 150	08/10/21 11:55	08/10/21 18:02	1
d5-NEtFOSAA	73		50 - 150	08/10/21 11:55	08/10/21 18:02	1
M2-6:2 FTS	93		25 - 150	08/10/21 11:55	08/10/21 18:02	1
M2-8:2 FTS	83		25 - 150	08/10/21 11:55	08/10/21 18:02	1
13C3 PFBS	92		50 - 150	08/10/21 11:55	08/10/21 18:02	1

Lab Sample ID: LCS 200-170026/2-A
Matrix: Solid
Analysis Batch: 170048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	2.15		ug/Kg		108	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	1.98		ug/Kg		99	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.00		ug/Kg		100	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	1.94		ug/Kg		97	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	1.95		ug/Kg		98	70 - 130
Perfluorononanoic acid (PFNA)	2.00	1.97		ug/Kg		99	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	1.92		ug/Kg		96	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	1.98		ug/Kg		99	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	1.87		ug/Kg		93	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.02		ug/Kg		101	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	1.90		ug/Kg		95	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.74		ug/Kg		98	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.80		ug/Kg		99	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.92		ug/Kg		101	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	1.73		ug/Kg		93	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.66		ug/Kg		86	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.04		ug/Kg		102	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.13		ug/Kg		107	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	1.97	J	ug/Kg		99	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.73	J	ug/Kg		91	70 - 130
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	1.99	J	ug/Kg		104	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	95		50 - 150
13C4 PFHpA	95		50 - 150
13C4 PFOA	97		50 - 150
13C4 PFOS	94		50 - 150

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-170026/2-A
Matrix: Solid
Analysis Batch: 170048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170026

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C5 PFNA	*92*		*50 - 150*
13C4 PFBA	*89*		*25 - 150*
13C2 PFHxA	*93*		*50 - 150*
13C2 PFDA	*88*		*50 - 150*
13C2 PFUnA	*81*		*50 - 150*
13C2 PFDoA	*75*		*50 - 150*
13C8 FOSA	*84*		*25 - 150*
13C5 PFPeA	*98*		*25 - 150*
13C2 PFTeDA	*80*		*50 - 150*
d3-NMeFOSAA	*80*		*50 - 150*
d5-NEtFOSAA	*82*		*50 - 150*
M2-6:2 FTS	*105*		*25 - 150*
M2-8:2 FTS	*91*		*25 - 150*
13C3 PFBS	*101*		*50 - 150*

Lab Sample ID: 480-188077-1 MS
Matrix: Solid
Analysis Batch: 170048

Client Sample ID: RANSOM TOPSOIL COMP #1
Prep Type: Total/NA
Prep Batch: 170026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	0.28	J	2.93	3.30		ug/Kg	☼	103	70 - 130
Perfluoropentanoic acid (PFPeA)	ND		2.93	2.89		ug/Kg	☼	98	70 - 130
Perfluorohexanoic acid (PFHxA)	0.074	J	2.93	3.03		ug/Kg	☼	101	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.073	J	2.93	3.17		ug/Kg	☼	106	70 - 130
Perfluorooctanoic acid (PFOA)	0.33		2.93	3.14		ug/Kg	☼	96	70 - 130
Perfluorononanoic acid (PFNA)	0.13	J	2.93	2.97		ug/Kg	☼	97	70 - 130
Perfluorodecanoic acid (PFDA)	0.047	J	2.93	2.70		ug/Kg	☼	90	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.066	J	2.93	3.18		ug/Kg	☼	106	70 - 130
Perfluorododecanoic acid (PFDoA)	ND		2.93	2.87		ug/Kg	☼	98	70 - 130
Perfluorotridecanoic acid (PFTriA)	0.022	J	2.93	2.94		ug/Kg	☼	100	70 - 130
Perfluorotetradecanoic acid (PFTeA)	ND		2.93	3.08		ug/Kg	☼	105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	0.020	J	2.59	2.57		ug/Kg	☼	98	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	0.031	J	2.67	2.59		ug/Kg	☼	96	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.79	3.00		ug/Kg	☼	108	70 - 130
Perfluorooctanesulfonic acid (PFOS)	0.42		2.72	3.23		ug/Kg	☼	103	70 - 130
Perfluorodecanesulfonic acid (PFDS)	ND		2.83	2.60		ug/Kg	☼	92	70 - 130
Perfluorooctanesulfonamide (PFOSA)	ND		2.93	2.94		ug/Kg	☼	100	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.93	3.01		ug/Kg	☼	103	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.93	3.14		ug/Kg	☼	107	70 - 130

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-188077-1 MS
Client Sample ID: RANSOM TOPSOIL COMP #1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 170048
Prep Batch: 170026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		2.78	2.94		ug/Kg	☼	106	70 - 130
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.81	3.00		ug/Kg	☼	107	70 - 130

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
18O2 PFHxS	*97*		*50 - 150*
13C4 PFHpA	*88*		*50 - 150*
13C4 PFOA	*92*		*50 - 150*
13C4 PFOS	*89*		*50 - 150*
13C5 PFNA	*89*		*50 - 150*
13C4 PFBA	*85*		*25 - 150*
13C2 PFHxA	*94*		*50 - 150*
13C2 PFDA	*92*		*50 - 150*
13C2 PFUnA	*82*		*50 - 150*
13C2 PFDoA	*85*		*50 - 150*
13C8 FOSA	*87*		*25 - 150*
13C5 PFPeA	*91*		*25 - 150*
13C2 PFTeDA	*83*		*50 - 150*
d3-NMeFOSAA	*85*		*50 - 150*
d5-NEtFOSAA	*86*		*50 - 150*
M2-6:2 FTS	*96*		*25 - 150*
M2-8:2 FTS	*92*		*25 - 150*
13C3 PFBS	*96*		*50 - 150*

Lab Sample ID: 480-188077-1 MSD
Client Sample ID: RANSOM TOPSOIL COMP #1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 170048
Prep Batch: 170026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.28	J	2.94	3.26		ug/Kg	☼	101	70 - 130	1	20
Perfluoropentanoic acid (PFPeA)	ND		2.94	2.93		ug/Kg	☼	100	70 - 130	2	20
Perfluorohexanoic acid (PFHxA)	0.074	J	2.94	3.10		ug/Kg	☼	103	70 - 130	2	20
Perfluoroheptanoic acid (PFHpA)	0.073	J	2.94	3.06		ug/Kg	☼	102	70 - 130	3	20
Perfluorooctanoic acid (PFOA)	0.33		2.94	3.12		ug/Kg	☼	95	70 - 130	1	20
Perfluorononanoic acid (PFNA)	0.13	J	2.94	3.01		ug/Kg	☼	98	70 - 130	1	20
Perfluorodecanoic acid (PFDA)	0.047	J	2.94	2.86		ug/Kg	☼	96	70 - 130	6	20
Perfluoroundecanoic acid (PFUnA)	0.066	J	2.94	3.15		ug/Kg	☼	105	70 - 130	1	20
Perfluorododecanoic acid (PFDoA)	ND		2.94	2.91		ug/Kg	☼	99	70 - 130	1	20
Perfluorotridecanoic acid (PFTriA)	0.022	J	2.94	2.93		ug/Kg	☼	100	70 - 130	1	20
Perfluorotetradecanoic acid (PFTeA)	ND		2.94	3.09		ug/Kg	☼	105	70 - 130	0	20
Perfluorobutanesulfonic acid (PFBS)	0.020	J	2.60	2.56		ug/Kg	☼	98	70 - 130	0	20
Perfluorohexanesulfonic acid (PFHxS)	0.031	J	2.67	2.57		ug/Kg	☼	95	70 - 130	1	20
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.80	2.96		ug/Kg	☼	106	70 - 130	1	20

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-188077-1 MSD
Matrix: Solid
Analysis Batch: 170048

Client Sample ID: RANSOM TOPSOIL COMP #1
Prep Type: Total/NA
Prep Batch: 170026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	0.42		2.73	3.19		ug/Kg	☼	101	70 - 130	1	20
Perfluorodecanesulfonic acid (PFDS)	ND		2.83	2.77		ug/Kg	☼	98	70 - 130	6	20
Perfluorooctanesulfonamide (PFOSA)	ND		2.94	2.99		ug/Kg	☼	102	70 - 130	2	20
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		2.94	3.28		ug/Kg	☼	112	70 - 130	8	20
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		2.94	3.06		ug/Kg	☼	104	70 - 130	3	20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		2.79	2.79	J	ug/Kg	☼	100	70 - 130	5	20
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.82	3.04		ug/Kg	☼	108	70 - 130	1	20

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
18O2 PFHxS	*79*		*50 - 150*
13C4 PFHpA	*72*		*50 - 150*
13C4 PFOA	*78*		*50 - 150*
13C4 PFOS	*73*		*50 - 150*
13C5 PFNA	*71*		*50 - 150*
13C4 PFBA	*69*		*25 - 150*
13C2 PFHxA	*74*		*50 - 150*
13C2 PFDA	*71*		*50 - 150*
13C2 PFUnA	*70*		*50 - 150*
13C2 PFDoA	*69*		*50 - 150*
13C8 FOSA	*69*		*25 - 150*
13C5 PFPeA	*75*		*25 - 150*
13C2 PFTeDA	*70*		*50 - 150*
d3-NMeFOSAA	*61*		*50 - 150*
d5-NEtFOSAA	*70*		*50 - 150*
M2-6:2 FTS	*85*		*25 - 150*
M2-8:2 FTS	*78*		*25 - 150*
13C3 PFBS	*77*		*50 - 150*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-592373/1-A
Matrix: Solid
Analysis Batch: 592549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.9	4.4	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Antimony	ND		14.8	0.40	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Arsenic	ND		2.0	0.40	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Barium	ND		0.49	0.11	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Beryllium	ND		0.20	0.028	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Cadmium	ND		0.20	0.030	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Calcium	3.34	J	49.5	3.3	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Chromium	ND		0.49	0.20	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Cobalt	ND		0.49	0.049	mg/Kg		08/10/21 14:18	08/11/21 12:44	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-592373/1-A
Matrix: Solid
Analysis Batch: 592549

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		0.99	0.21	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Iron	ND		9.9	3.5	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Lead	ND		0.99	0.24	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Magnesium	ND		19.8	0.92	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Manganese	0.0762	J	0.20	0.032	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Nickel	ND		4.9	0.23	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Potassium	ND		29.7	19.8	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Selenium	ND		4.0	0.40	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Silver	ND		0.59	0.20	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Sodium	ND		139	12.9	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Thallium	ND		5.9	0.30	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Vanadium	ND		0.49	0.11	mg/Kg		08/10/21 14:18	08/11/21 12:44	1
Zinc	ND		2.0	0.63	mg/Kg		08/10/21 14:18	08/11/21 12:44	1

Lab Sample ID: LCDSRM 480-592373/4-A
Matrix: Solid
Analysis Batch: 592549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 592373

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum			8190	8616		mg/Kg		105.2	50.1 - 150.2	3	20
Antimony			110	77.27		mg/Kg		70.2	22.2 - 254.5	0	20
Arsenic			162	135.9		mg/Kg		83.9	70.4 - 130.2	2	20
Barium			138	126.0		mg/Kg		91.3	74.6 - 124.6	2	20
Beryllium			157	153.8		mg/Kg		98.0	75.2 - 125.5	4	20
Cadmium			135	125.3		mg/Kg		92.8	74.8 - 124.4	4	20
Calcium			4790	4255		mg/Kg		88.8	72.7 - 127.3	2	20
Chromium			117	102.6		mg/Kg		87.7	70.1 - 129.9	0	20
Cobalt			92.6	96.94		mg/Kg		104.7	75.1 - 125.3	2	20
Copper			143	117.9		mg/Kg		82.5	74.8 - 124.5	1	20
Iron			15100	12150		mg/Kg		80.5	37.2 - 162.9	5	20
Lead			77.6	69.88		mg/Kg		90.1	68.8 - 131.4	1	20
Magnesium			2320	2030		mg/Kg		87.5	62.1 - 137.9	1	20
Manganese			319	282.5		mg/Kg		88.5	74.9 - 125.1	3	20
Nickel			79.9	84.13		mg/Kg		105.3	70.0 - 130.2	3	20
Potassium			2050	2064		mg/Kg		100.7	59.5 - 141.0	5	20
Selenium			172	149.1		mg/Kg		86.7	68.0 - 132.6	2	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-592373/4-A
Matrix: Solid
Analysis Batch: 592549

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 592373

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	24.7	19.60		mg/Kg		79.3	67.2 - 133.2	2	20
Sodium	137	144.5		mg/Kg		105.5	35.8 - 164.2	3	20
Thallium	88.0	86.55		mg/Kg		98.4	66.0 - 134.1	1	20
Vanadium	99.9	88.06		mg/Kg		88.2	67.4 - 132.1	2	20
Zinc	312	274.8		mg/Kg		88.1	69.9 - 129.8	2	20

Lab Sample ID: LCSSRM 480-592373/3-A
Matrix: Solid
Analysis Batch: 592549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592373

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8190	8360		mg/Kg		102.1	50.1 - 150.2
Antimony	110	77.38		mg/Kg		70.3	22.2 - 254.5
Arsenic	162	132.6		mg/Kg		81.8	70.4 - 130.2
Barium	138	124.1		mg/Kg		89.9	74.6 - 124.6
Beryllium	157	147.9		mg/Kg		94.2	75.2 - 125.5
Cadmium	135	120.1		mg/Kg		89.0	74.8 - 124.4
Calcium	4790	4186		mg/Kg		87.4	72.7 - 127.3
Chromium	117	102.7		mg/Kg		87.8	70.1 - 129.9
Cobalt	92.6	94.56		mg/Kg		102.1	75.1 - 125.3
Copper	143	116.2		mg/Kg		81.3	74.8 - 124.5
Iron	15100	11510		mg/Kg		76.2	37.2 - 162.9
Lead	77.6	68.91		mg/Kg		88.8	68.8 - 131.4
Magnesium	2320	2019		mg/Kg		87.0	62.1 - 137.9
Manganese	319	289.9		mg/Kg		90.9	74.9 - 125.1
Nickel	79.9	81.45		mg/Kg		101.9	70.0 - 130.2
Potassium	2050	1966		mg/Kg		95.9	59.5 - 141.0
Selenium	172	145.6		mg/Kg		84.6	68.0 - 132.6
Silver	24.7	19.30		mg/Kg		78.1	67.2 - 133.2
Sodium	137	148.2		mg/Kg		108.1	35.8 - 164.2

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-592373/3-A
Matrix: Solid
Analysis Batch: 592549

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592373

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	88.0	87.18		mg/Kg		99.1	66.0 - 134.1
Vanadium	99.9	86.27		mg/Kg		86.4	67.4 - 132.1
Zinc	312	270.3		mg/Kg		86.6	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-592204/1-A
Matrix: Solid
Analysis Batch: 592249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0043	mg/Kg		08/09/21 15:01	08/09/21 17:23	1

Lab Sample ID: LCSSRM 480-592204/2-A ^10
Matrix: Solid
Analysis Batch: 592249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592204

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	22.39		mg/Kg		82.3	59.9 - 140.1

GC/MS VOA

Analysis Batch: 592414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-2	RANSOM TOPSOIL VOC #1	Total/NA	Solid	8260C	592433
480-188077-3	RANSOM TOPSOIL VOC #2	Total/NA	Solid	8260C	592433
480-188077-4	RANSOM TOPSOIL VOC #3	Total/NA	Solid	8260C	592433
480-188077-5	RANSOM TOPSOIL VOC #4	Total/NA	Solid	8260C	592433
MB 480-592433/2-A	Method Blank	Total/NA	Solid	8260C	592433
LCS 480-592433/1-A	Lab Control Sample	Total/NA	Solid	8260C	592433

Prep Batch: 592433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-2	RANSOM TOPSOIL VOC #1	Total/NA	Solid	5035A_L	
480-188077-3	RANSOM TOPSOIL VOC #2	Total/NA	Solid	5035A_L	
480-188077-4	RANSOM TOPSOIL VOC #3	Total/NA	Solid	5035A_L	
480-188077-5	RANSOM TOPSOIL VOC #4	Total/NA	Solid	5035A_L	
MB 480-592433/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-592433/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 592214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	3550C	
MB 480-592214/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592214/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 592372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	8270D	592214
MB 480-592214/1-A	Method Blank	Total/NA	Solid	8270D	592214
LCS 480-592214/2-A	Lab Control Sample	Total/NA	Solid	8270D	592214

GC Semi VOA

Prep Batch: 592259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	3550C	
MB 480-592259/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 592261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	8151A	
MB 480-592261/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-592261/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 592384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	3550C	
MB 480-592384/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592384/2-A	Lab Control Sample	Total/NA	Solid	3550C	

GC Semi VOA

Analysis Batch: 592443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	8081B	592259
MB 480-592259/1-A	Method Blank	Total/NA	Solid	8081B	592259
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	8081B	592259

Analysis Batch: 592532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	8082A	592384
MB 480-592384/1-A	Method Blank	Total/NA	Solid	8082A	592384
LCS 480-592384/2-A	Lab Control Sample	Total/NA	Solid	8082A	592384

Analysis Batch: 592675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	8151A	592261
MB 480-592261/1-A	Method Blank	Total/NA	Solid	8151A	592261
LCS 480-592261/2-A	Lab Control Sample	Total/NA	Solid	8151A	592261

LCMS

Prep Batch: 170026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	SHAKE	
MB 200-170026/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-170026/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
480-188077-1 MS	RANSOM TOPSOIL COMP #1	Total/NA	Solid	SHAKE	
480-188077-1 MSD	RANSOM TOPSOIL COMP #1	Total/NA	Solid	SHAKE	

Analysis Batch: 170048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	537 (modified)	170026
MB 200-170026/1-A	Method Blank	Total/NA	Solid	537 (modified)	170026
LCS 200-170026/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	170026
480-188077-1 MS	RANSOM TOPSOIL COMP #1	Total/NA	Solid	537 (modified)	170026
480-188077-1 MSD	RANSOM TOPSOIL COMP #1	Total/NA	Solid	537 (modified)	170026

Metals

Prep Batch: 592204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	7471B	
MB 480-592204/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-592204/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 592249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	7471B	592204
MB 480-592204/1-A	Method Blank	Total/NA	Solid	7471B	592204
LCSSRM 480-592204/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	592204

Prep Batch: 592373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	3050B	
MB 480-592373/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 592373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCDSRM 480-592373/4-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-592373/3-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 592549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	6010C	592373
MB 480-592373/1-A	Method Blank	Total/NA	Solid	6010C	592373
LCDSRM 480-592373/4-A	Lab Control Sample Dup	Total/NA	Solid	6010C	592373
LCSSRM 480-592373/3-A	Lab Control Sample	Total/NA	Solid	6010C	592373

General Chemistry

Analysis Batch: 592221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188077-1	RANSOM TOPSOIL COMP #1	Total/NA	Solid	Moisture	
480-188077-2	RANSOM TOPSOIL VOC #1	Total/NA	Solid	Moisture	
480-188077-3	RANSOM TOPSOIL VOC #2	Total/NA	Solid	Moisture	
480-188077-4	RANSOM TOPSOIL VOC #3	Total/NA	Solid	Moisture	
480-188077-5	RANSOM TOPSOIL VOC #4	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Client Sample ID: RANSOM TOPSOIL COMP #1
Lab Sample ID: 480-188077-1
Date Collected: 08/06/21 13:00
Matrix: Solid
Date Received: 08/09/21 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592221	08/09/21 16:03	JMM	TAL BUF

Client Sample ID: RANSOM TOPSOIL COMP #1
Lab Sample ID: 480-188077-1
Date Collected: 08/06/21 13:00
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 67.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592214	08/09/21 15:03	ADH	TAL BUF
Total/NA	Analysis	8270D		5	592372	08/10/21 21:55	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 15:26	RJS	TAL BUF
Total/NA	Prep	3550C			592384	08/10/21 15:07	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592532	08/11/21 15:12	DSC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 14:04	RJS	TAL BUF
Total/NA	Prep	SHAKE			170026	08/10/21 11:55	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	170048	08/10/21 18:19	ND	TAL BUR
Total/NA	Prep	3050B			592373	08/10/21 14:18	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592549	08/11/21 13:03	LMH	TAL BUF
Total/NA	Prep	7471B			592204	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:39	BMB	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #1
Lab Sample ID: 480-188077-2
Date Collected: 08/06/21 12:45
Matrix: Solid
Date Received: 08/09/21 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592221	08/09/21 16:03	JMM	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #1
Lab Sample ID: 480-188077-2
Date Collected: 08/06/21 12:45
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 63.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/10/21 19:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 20:45	WJD	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #2
Lab Sample ID: 480-188077-3
Date Collected: 08/06/21 12:50
Matrix: Solid
Date Received: 08/09/21 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592221	08/09/21 16:03	JMM	TAL BUF

Lab Chronicle

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Client Sample ID: RANSOM TOPSOIL VOC #2
Lab Sample ID: 480-188077-3
Date Collected: 08/06/21 12:50
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 77.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/10/21 19:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 21:09	WJD	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #3
Lab Sample ID: 480-188077-4
Date Collected: 08/06/21 12:53
Matrix: Solid
Date Received: 08/09/21 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592221	08/09/21 16:03	JMM	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #3
Lab Sample ID: 480-188077-4
Date Collected: 08/06/21 12:53
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/10/21 19:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 21:33	WJD	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #4
Lab Sample ID: 480-188077-5
Date Collected: 08/06/21 12:57
Matrix: Solid
Date Received: 08/09/21 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592221	08/09/21 16:03	JMM	TAL BUF

Client Sample ID: RANSOM TOPSOIL VOC #4
Lab Sample ID: 480-188077-5
Date Collected: 08/06/21 12:57
Matrix: Solid
Date Received: 08/09/21 14:40
Percent Solids: 66.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/10/21 19:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 21:57	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-17-22
Florida	NELAP	E87467	06-30-22
Minnesota	NELAP	050-999-436	12-31-21
New Hampshire	NELAP	2006	12-18-21
New Jersey	NELAP	VT972	06-30-22
New York	NELAP	10391	04-01-22
Pennsylvania	NELAP	68-00489	04-30-22
Rhode Island	State	LAO00298	12-30-21
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-17-00272	10-30-23
Vermont	State	VT4000	02-10-22
Virginia	NELAP	460209	12-14-21
Wisconsin	State	399133350	08-31-21

Method Summary

Client: Turnkey Environmental Restoration, LLC
Job ID: 480-188077-1
Project/Site: Benchmark- Ransom Rd. topsoil

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Turnkey Environmental Restoration, LLC
Project/Site: Benchmark- Ransom Rd. topsoil

Job ID: 480-188077-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-188077-1	RANSOM TOPSOIL COMP #1	Solid	08/06/21 13:00	08/09/21 14:40
480-188077-2	RANSOM TOPSOIL VOC #1	Solid	08/06/21 12:45	08/09/21 14:40
480-188077-3	RANSOM TOPSOIL VOC #2	Solid	08/06/21 12:50	08/09/21 14:40
480-188077-4	RANSOM TOPSOIL VOC #3	Solid	08/06/21 12:53	08/09/21 14:40
480-188077-5	RANSOM TOPSOIL VOC #4	Solid	08/06/21 12:57	08/09/21 14:40

TestAmerica Buffalo
10 Hazelwood Drive

Amherst, NY 14228
Phone: 716.691.2600 Fax: 716.691.7991

Chain of Custody Record

185551

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact
Company Name: Benchmark Engineering
Address: 2558 Hamburg Turnpike
City/State/Zip: Lackawanna NY 14218
Phone: (716) 818-8358
Fax: (716) 856-0583
Project Name: Ransom Topsoil
Site:
P O #

Project Manager: Chris Boron
Tel/Fax:
Site Contact: T Behrendt
Lab Contact:
Date: 8/6/21
Carrier:
COC No:
1 of 1 COCs
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Analysis Turnaround Time
☐ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below ______
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day
3 DAY

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCL SVOC + 1,4 Dioxane	TAL Metals	PCBs	Pest / Herb	PFAS	TCL VOC	Sample Specific Notes:
Ransom Topsoil Comp #1	8/6/21	1300	Comp	Soil	3			X	X	X	X	X		
Ransom Topsoil VOC #1	↓	1245	Grab	↓	1								X	
Ransom Topsoil VOC #2	↓	1250	↓	↓	1								X	
Ransom Topsoil VOC #3	↓	1253	↓	↓	1								X	
Ransom Topsoil VOC #4	↓	1257	↓	↓	1								X	

480-188077 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ______

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ______ Months

Special Instructions/QC Requirements & Comments:
Temp 5.2 #1 ICE

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temp. (°C): Obs'd: ______ Corr'd: ______ Therm ID No.: ______

Relinquished by: Thomas Abold	Company: Turnkey	Date/Time: 8/6/21	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAD	Date/Time: 8/6/21 2:40

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

480-188077 Chain of Custody

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Fischer, Brian J	IC No: 00-65693.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Brian.Fischer@Eurofinset.com	State of Origin: New York
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York	Page: Page 1 of 1
Address: 530 Community Drive, Suite 11,	Due Date Requested: 8/10/2021		Job #: 480-188077-1
City: South Burlington	TAT Requested (days):		
State, Zip: VT, 05403			
Phone: 802-660-1990(Tel) 802-660-1919(Fax)	PO #:		
Email:	WO #:		
Project Name: Benchmark- Ransom Rd. topsoil	Project #: 48024157		
Site:	SSOW#:		

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA/Shake_Bath_14D PFAS, Standard List (21 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
RANSOM TOPSOIL COMP #1 (480-188077-1)	8/6/21	13:00 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 8/9/21 1700	Company TA	Received by:	Date/Time: 8/10/21 1035	Company ETA3N		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

eurofins | Environment Testing TestAmerica

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

AMHERST, NY 14228
UNITED STATES US

SHIP DATE: 09AUG21
ACTWGT: 38.20 LB
CAD: 846654/CAFE3409
DIMS: 26x15x14 IN

BILL SENDER

TO SAMPLE MGT.
TA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1026
REF: TA SOUTH BURLINGTON

FedEx Express

TRK# 0201 1888 3864 7711

TUE - 10 AUG 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-188077-1

Login Number: 188077
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	TURNKEY
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Turnkey Environmental Restoration, LLC

Job Number: 480-188077-1

Login Number: 188077
List Number: 2
Creator: Sofio, Michael G

List Source: Eurofins TestAmerica, Burlington
List Creation: 08/10/21 11:31 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1513455
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.9ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D

FIELD NOTES & COMMUNITY AIR MONITORING DATA

Location Gates Circle Date 10/18/21

Project / Client 1299 gates

T-D Seeding + Paving

0730 onsite met w/ Tim Monteith (Watson) + Bill), walked site w/ Bill went over scope of work, set up CAMP #3, Light Rain mid 50's wind 5-10 NW

0830 start Remove Gravel

900 Found old spindle line

915 large Excavator Down

1020 leaving asphalt in place

1100 Working on Lay Excavator

1130 pulled up concrete with pond of gravel, truck tear on skid steer.

1200 Smoothing out gravel as best can, spoke w/ Bill went over, work for tomorrow

1400 Took Down meters left site

Location Gates Circle Date 10/19/21

Project / Client 1299 gates

0730 onsite, clear upper 40's, set up CAMP #3 Same location as yesterday, wind W. 0-5 mph starting to grade sit

745-0830 started spreading and shaping the site

0900, started rolling out Fabric

900 topsoil in back

920 left site, when I left RE Lorenzo Brought In Top soil 2 Trucks.

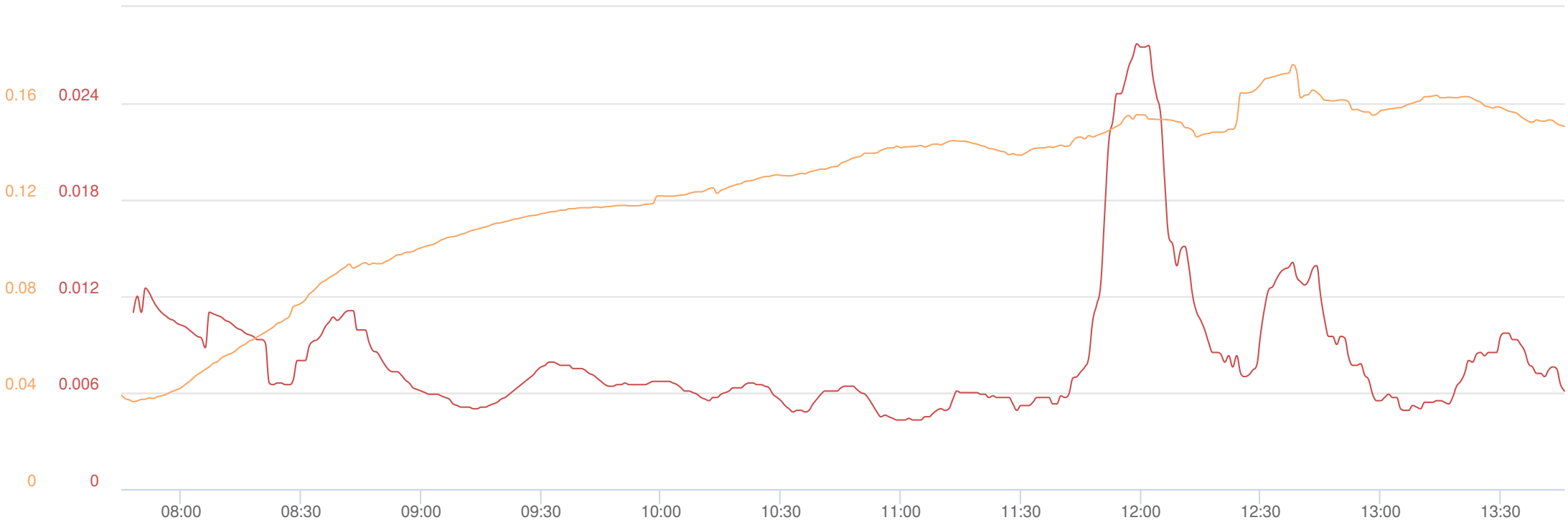
1245 Back onsite, have 900AM Brought In 2 loads of Topsoil left site

1400 Back onsite continues to Run and spread Top soil From Rush Rd.

1635, continuing to spread topsoil waiting on one more Truck, should have 13 total trucks

1800 Took Down meters left site

Mon, 18th of Oct 2021, 7:00:00 – 15:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³ AVG 15m
mg/m³
DustTrak-8530
RS232(C)

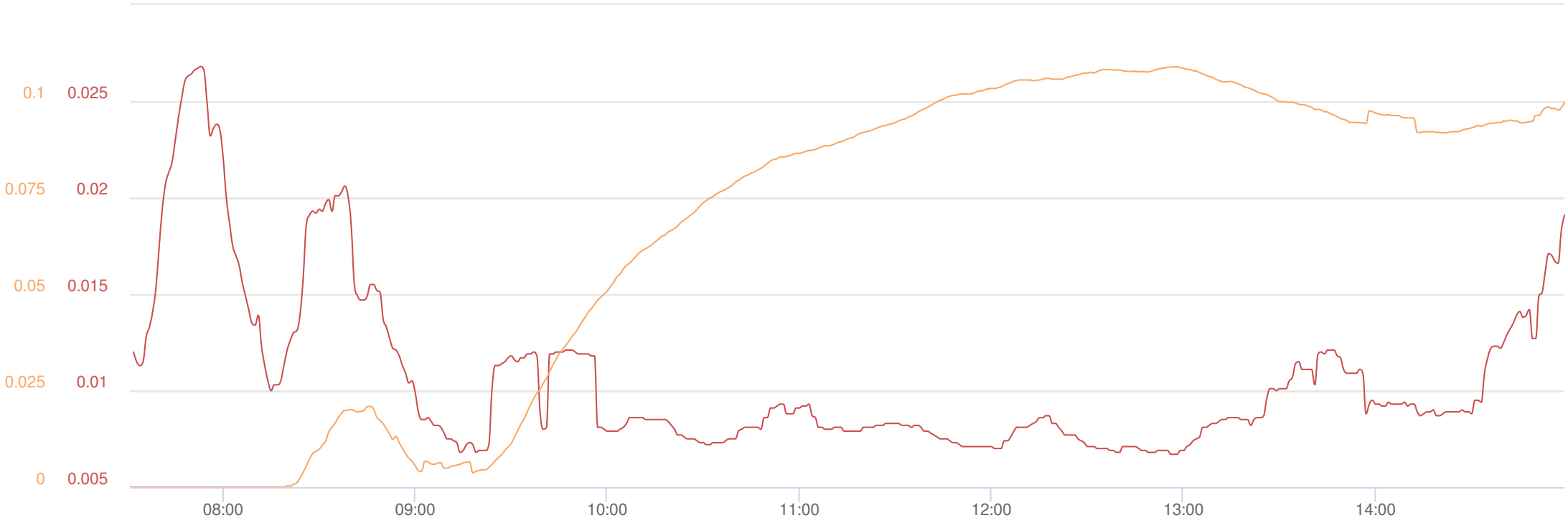
MIN	AVG	MAX
0.0043	0.0083	0.0277

VOC ppm AVG 15m ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0.0363	0.1248	0.176

Name	CAMP Station #3
S/N	0B466411
Description	CAMP Station #3
Location	1 Gates Cir, Buffalo, NY 14209, USA

Tue, 19th of Oct 2021, 7:00:00 – 15:00:00
(GMT-05:00) Eastern Time (US & Canada)



Mass Conc. Total mg/m³ AVG 15m
mg/m³
DustTrak-8530
RS232(C)

MIN	AVG	MAX
0.0067	0.0106	0.0268

VOC ppm AVG 15m ppm
miniRAE 3000
RS232(A)

MIN	AVG	MAX
0	0.0663	0.1089

Name	CAMP Station #3
S/N	0B466411
Description	CAMP Station #3
Location	1 Gates Cir, Buffalo, NY 14209, USA

APPENDIX E

1279 DELAWARE AVENUE QUIT CLAIM DEED

89.79-4-1.51 1279 Delaware

ERIE COUNTY CLERK'S OFFICE

County Clerk's Recording Page

Return to:
BOX 139

Party 1:
GATES CIRCLE HOLDINGS LLC

Party 2:
1277 DELAWARE LLC

Book Type: D Book: 11346 Page: 3197
Page Count: 3
Doc Type: DEED
Rec Date: 06/28/2019
Rec Time: 03:25:46 PM
Control #: 2019132492
UserID: David RB
Trans #: 19104465
Document Sequence Number
TT2018023633

Recording Fees:

RECORDING	$35.00
COE CO $1 RET	$1.00
COE STATE $14.25 GEN	$14.25
COE STATE $4.75 RM	$4.75
RP5217 CNTY $9	$9.00
RP5217 ST-NON RES $241	$241.00
TP584	$10.00

Consideration Amount: 1.00

BASIC MT	$0.00
SONYMA MT	$0.00
ADDL MT/NFTA	$0.00
SP MT/M-RAIL	$0.00
NY STATE TT	$0.00
ROAD FUND TT	$0.00

Total: $315.00

STATE OF NEW YORK
ERIE COUNTY CLERK'S OFFICE

WARNING – THIS SHEET CONSTITUTES THE CLERK'S ENDORSEMENT REQUIRED BY SECTION 319&316-a (5) OF THE REAL PROPERTY LAW OF THE STATE OF NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

Michael P. Kearns
Erie County Clerk

Box 139

QUIT CLAIM DEED

THIS INDENTURE, made as of the 28 day of June, in the year 2019

BETWEEN

GATES CIRCLE HOLDINGS LLC, a New York limited liability company with an address of c/o TM Montante Development, 2760 Kenmore Avenue, Tonawanda, New York 14150, party of the first part, and

1277 DELAWARE LLC, a New York limited liability company with an address of c/o TM Montante Development, 2760 Kenmore Avenue, Tonawanda, New York 14150, party of the second part,

WITNESSETH, that the said party of the first part, in consideration of One and No More Dollars ($1.00 and No More) lawful money of the United States, paid by the party of the second part, does hereby remise, release and forever Quit Claim unto the said party of the second part, its successors, heirs and assigns forever,

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 62, Township 11, Range 8 of the Holland Land Company's Survey, bounded and described as follows:

COMMENCING at a point of intersection of the easterly line of Delaware Avenue (98 feet wide) with the south line of Subdivision Lot No. 25 as shown on map recorded in Erie County Clerk's Office in Liber 266 of Deeds at page 463; thence easterly along the said southerly line of Subdivision Lot No. 25, 278.15 feet more or less to the southeasterly corner of said Subdivision Lot No. 25; thence southerly along a line parallel with the easterly line of Delaware Avenue to the south line of lands conveyed to Frederick Sanders by deed recorded in Erie County Clerk's Office in Liber 114 of Deeds at page 562; thence westerly along the southerly line of lands so conveyed to Frederick Sanders by deed aforesaid to the easterly line of Delaware Avenue; thence northerly along the easterly line of Delaware Avenue, 3.36 feet more or less to the point or place of beginning.

TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to the said premises.

TO HAVE AND TO HOLD, the above granted premises unto the said party of the second part, its successors, heirs and assigns forever.

IN WITNESS WHEREOF, the said party of the first part have hereunder set his hand and seal the day and year first above written.

Deed-2 CY

GATES CIRCLE HOLDINGS LLC

By: _____
Matthew T. Montante, Manager

STATE OF NEW YORK)
COUNTY OF ERIE) SS:

On this 28th day of June in the year 2019 before me, the undersigned, a notary public in and for said state, personally appeared Matthew T. Montante personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity, and that by his signature on the instrument, the individual or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public

Marissa Karney
Notary Public, State of New York
Registration No. 01KA6367202
Qualified in Erie County
Commission Expires November 13, 2021

FOR COUNTY USE ONLY

C1. SWIS Code 1,1,4,0,2,0,0

C2. Date Deed Recorded 6 / 28 / 19 (Month / Day / Year)

C3. Book 1,1,3,4,6 C4. Page 3,1,9,7

New York State Department of **Taxation and Finance**

Office of Real Property Tax Services

RP- 5217

Real Property Transfer Report (8/10)

PROPERTY INFORMATION

1. Property Location: 1285 (* STREET NUMBER) Delaware Avenue (* STREET NAME)
Buffalo (* CITY OR TOWN) (VILLAGE) (* ZIP CODE)

2. Buyer Name: 1277 Delaware LLC (* LAST NAME/COMPANY) (FIRST NAME)
(LAST NAME/COMPANY) (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address(at bottom of form) TM Monante (LAST NAME/COMPANY) (FIRST NAME)
2760 Kenmore Avenue, Suite 100 (STREET NUMBER AND NAME) Tonawanda (CITY OR TOWN) NY (STATE) 14150 (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed _____ # of Parcels OR ☒ Part of a Parcel

(Only If Part of a Parcel) Check as they apply:
- 4A. Planning Board with Subdivision Authority Exists ☐
- 4B. Subdivision Approval was Required for Transfer ☐
- 4C. Parcel Approved for Subdivision with Map Provided ☐

5. Deed Property Size _____ (* FRONT FEET) X _____ (* DEPTH) OR 0.00 (* ACRES)

6. Seller Name: Gates Circle Holdings (* LAST NAME/COMPANY) LLC (FIRST NAME)
(LAST NAME/COMPANY) (FIRST NAME)

*7. Select the description which most accurately describes the use of the property at the time of sale:
D. Non-Residential Vacant Land

Check the boxes below as they apply:
- 8. Ownership Type is Condominium ☐
- 9. New Construction on a Vacant Land ☐
- 10A. Property Located within an Agricultural District ☐
- 10B. Buyer received a disclosure notice indicating that the property is in an Agricultural District ☐

SALE INFORMATION

11. Sale Contract Date _____

*12. Date of Sale/Transfer 6-28-19

*13. Full Sale Price 1.00

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

14. Indicate the value of personal property included in the sale .00

15. Check one or more of these conditions as applicable to transfer:
- ☐ A. Sale Between Relatives or Former Relatives
- ☐ B. Sale between Related Companies or Partners in Business.
- ☐ C. One of the Buyers is also a Seller
- ☐ D. Buyer or Seller is Government Agency or Lending Institution
- ☒ E. Deed Type not Warranty or Bargain and Sale (Specify Below)
- ☐ F. Sale of Fractional or Less than Fee Interest (Specify Below)
- ☐ G. Significant Change in Property Between Taxable Status and Sale Dates
- ☐ H. Sale of Business is Included in Sale Price
- ☐ I. Other Unusual Factors Affecting Sale Price (Specify Below)
- ☐ J. None

Comment(s) on Condition: Quit Claim

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

16. Year of Assessment Roll from which information taken(YY) 19

*17. Total Assessed Value 385,700

*18. Property Class 330 _ ___

*19. School District Name Buffalo

*20. Tax Map Identifier(s)/Roll Identifier(s) (If more than four, attach sheet with additional identifier(s))
part of 89.79-4-1.5

CERTIFICATION

I Certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any wilful false statement of material fact herein subject me to the provisions of the penal law relative to the making and filing of false instruments.

SELLER SIGNATURE

Matt [signature] (SELLER SIGNATURE) (DATE)

BUYER SIGNATURE

Matt [signature] (BUYER SIGNATURE) (DATE)

BUYER CONTACT INFORMATION

(Enter information for the buyer. Note: If buyer is LLC,society, association, corporation, joint stock company, estate or entity that is not an individual agent or fiduciary, then a name and contact information of an individual/responsible party who can answer questions regarding the transfer must be entered. Type or print clearly.)

Montante (LAST NAME) Matthew (FIRST NAME)

(716) (AREA CODE) 876-8899 (TELEPHONE NUMBER (Ex: 5555555))

2760 (* STREET NUMBER) Kenmore Avenue (* STREET NAME)

Tonawanda (* CITY OR TOWN) NY (* STATE) 14150 (* ZIP CODE)

BUYER'S ATTORNEY

Schwartz (LAST NAME) Blaine (FIRST NAME)

(716) (AREA CODE) 853-5100 (TELEPHONE NUMBER (Ex: 5555555))