## Pre-Design Investigation Report 837 Bailey Avenue Offsite IRM South Properties Buffalo, New York

Site Number C915298A

May 2022

## Prepared for:

#### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

625 Broadway Albany, New York 12233

#### Prepared by:

#### ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.

50 Lakefront Blvd., Suite 111 Buffalo, New York 14202

©2022 Ecology and Environment Engineering and Geology, P.C.

# able of Contents

Section		Page
1	Introduction	1-1
2	Investigation Summary	2-1
	2.1 Pre-field Investigation Activities	
	2.2 Direct-push Soil Borings and Test Pit Samples	
	2.3 Investigation-derived Waste Management	
	2.4 Sample Handling and Analysis	2-3
	2.5 Quality Assurance/Quality Control	2-3
	2.6 Data Review	2-4
3	Analytical Results Discussion	3-1
•	3.1 Initial Analytical Results Statistics	
	3.2 Contaminant Distribution.	
	3.3 South Properties Analytical Results	
4	Conclusions	4-1
5	References	5-1
Append	xib	
Α	Analytical Results Figures for South Properties	A-1
В	Soil Boring Logs	B-1
С	Laboratory Reports	C-1
D	Data Usability Summary Reports	D-1

# ist of Tables

Table		Page
1	Sampling Concentration Statistics	T-3
2	Soil Sample Descriptions	T-4

# ist of Figures

Figure		Page
1	837 Bailey Avenue Off-site	F-3
2	Arsenic and Lead Concentrations in Soil, 0 - 3 Inch Depth Interval	F-5
3	Arsenic and Lead Concentrations in Soil, 3 - 6 Inch Depth Interval	F-7
4	Arsenic and Lead Concentrations in Soil, 6 - 9 Inch Depth Interval	F-9
5	Arsenic and Lead Concentrations in Soil, 9 - 12 Inch Depth Interval	F-11
6	Arsenic and Lead Concentrations in Soil, 12 - 18 Inch Depth Interval	F-13
7	Arsenic and Lead Concentrations in Soil, 18 - 24 Inch Depth Interval	F-15

# ist of Abbreviations and Acronyms

DER Division of Environmental Remediation

DUSR Data Usability Summary Report

E & E Ecology and Environment Engineering and Geology, P.C.

EPA (U.S.) Environmental Protection Agency

LaBella Associates

mg/kg milligrams per kilogram

MS matrix spike

MSD matrix spike duplicate

NYSDEC New York State Department of Environmental Conservation

PDI pre-design investigation report

ppm parts per million
QA quality assurance

QC quality control

QAPP Quality Assurance Project Plan

ROW right of way

SCO soil cleanup objective

TestAmerica Eurofins TestAmerica Laboratories, Inc.

1

# Introduction

Pursuant to Work Assignment Number D009807-08, Ecology and Environment Engineering and Geology, P.C. (E & E) prepared this pre-design investigation report (PDI) on behalf of the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation (DER). This report contains a summary and evaluation of findings for sampling performed at the residential/commercial properties in a portion of the off-site area south of the 837 Bailey Avenue site in the city of Buffalo, New York, Site Number C915298A (see Figure 1).

The 837 Bailey Avenue site (site) is approximately 8.7 acres and is located in an urban area in the city of Buffalo near the intersection of Dingens Street and Bailey Avenue. A mix of commercial and residential properties surrounds the site. The Buffalo River is located approximately 0.75 miles south of the property, and the I-190 (Niagara Thruway) is located approximately 0.5 miles south and east of the property. The primary site is comprised of filled land with no existing building structures and is mostly enclosed with fencing. The property was used as an auto salvage/wrecking facility from at least 1940 to 2014, an automotive repair facility from at least 1946 to 1986, a tire recapping facility until at least 1950, and a filling station from at least 1946 to 1950 (EnSol, Inc. 2019).

Prior to remediation of the site, the primary contaminants of concern were metals (arsenic, barium, cadmium, copper, lead, and mercury) and polycyclic aromatic hydrocarbons. Remedial actions have successfully achieved soil cleanup objectives (SCOs) for commercial use and a cover system is in place. A certificate of completion was issued on December 20, 2019, for this remedial action, and residual contamination at the site is managed under a site management plan.

The properties discussed in this report include those in a portion of the off-site area, south of and contiguous with the primary site. There are eight parcels on Peru Place (16, 18, 20, 24, 26, 28, 32, and 36 Peru Place) and two parcels on Bailey Avenue (817 and 825 Bailey Avenue).

2

# **Investigation Summary**

This report presents and evaluates the level and extent of arsenic and lead contamination in soils of the properties south of the site. Activities included preparation of property survey maps; installation of a total of 51 soil borings across 10 parcels; collection of surface and subsurface soil samples from the borings; surveying the sampling locations, and laboratory analysis of soil samples. The primary field sampling event was conducted from June 24 to 26, 2020. Additional data gap sampling was subsequently conducted on multiple dates. A summary of the field procedures is provided in the following subsections. Sample locations are shown on individual parcel figures in Appendix A.

### 2.1 Pre-field Investigation Activities

In April 2020, letters indicating NYSDEC's intention to perform sampling at the properties were mailed to the owners of the southern properties along with access agreements for their signatures. Access was eventually granted to all ten parcels. Property owners of 16 Peru Place and 825 Bailey Avenue agreed to sampling later during 2021 remedial construction activities on the block.

Prior to initiating on-site activities, E & E contacted each property owner who had granted access to their property by phone to inform them of the proposed sampling date and discuss any property access restrictions (such as opening gates when dogs are present). E & E's drilling subcontractor contacted Dig Safely New York to request mark-out of underground utilities prior to beginning intrusive activities.

E & E prepared a sampling and analysis plan describing the procedures to be employed during the investigation (E & E 2020a). Proposed sampling locations were selected on a roughly 30-foot by 30-foot grid in accordance with NYSDEC's DER-10 guidance, Section 5.4(b) (NYSDEC 2010). Sampling locations were selected in the field based on the presence of structures and other surface obstructions, utilities, etc. The actual sampling locations were surveyed by a licensed land surveyor, Ravi Engineering and Land Surveying, of Rochester, New York.

## 2.2 Direct-push Soil Borings and Test Pit Samples

A total of fifty-one soil borings and four sidewall test pit sampling locations are shown on the figures in Appendix A and soil boring logs are provided in Appendix B. Soil boring locations were identified using the street address and consecu-

#### 2 Investigation Summary



tive location number (e.g., 36PERU-01). Test pit sidewall locations were identified with a similar nomenclature with "TP" added to the name (e.g., 825BAILEY-TP-06).

Following completion of soil sampling, the direct-push borings in grass areas were backfilled with topsoil and borings in asphalt were backfilled with topsoil and sealed at the top with 3 inches of cold-patch asphalt.

Most soil boring locations were sampled to a depth of 2 feet below grade, and up to six soil samples were collected from each of these borings from the following depth intervals: 0 to 3 inches, 3 to 6 inches, 6 to 9 inches, 9 to 12 inches, 12 to 18 inches, and 18 to 24 inches.

Most soil borings were installed by LaBella Associates of Rochester, New York, using a Geoprobe Model 6620DT direct-push machine and 2½-inch-diameter Macro-Core® probing rods with ½-inch-diameter dedicated sleeves. In some instances, a hand-driven, 3-inch-diameter, stainless steel soil auger was used by E & E where access was limited for the Geoprobe or where data gap samples were collected without the Geoprobe. LaBella was subcontracted by E & E during this investigation and worked under the supervision of the E & E field team leader.

For soil borings installed using dedicated Macro-Core sleeves, the only portion of the direct-push tooling that contacted the soil samples besides the sleeves was the cutting shoe of the Macro-Core casing. The shoe and the casing itself were decontaminated before each use. Decontamination of all equipment, including stainless-steel bowls and spoons used for mixing soil samples (in 3- and 6-inch thick depth intervals) and hand augers was performed by scrubbing with a laboratory-grade detergent (e.g., Alconox) solution, rinsing the equipment with potable water, rinsing with a 5 - 10% nitric acid solution, and performing a final rinse with deionized water.

Soils encountered during soil boring installation were generally comprised of topsoil with organics underlain by sub-soils that mostly consisted of light brown to brown sandy silt and loam with varying proportions of clay, sand, silt, gravel, and wood. Suspected or possible fill material, indicated by the presence of white and black ash, was observed at some locations between the topsoil and sub-soil. Soil boring logs are provided in Appendix B.

Soil samples were collected from the sampling device using stainless-steel spoons. The soil from specific depth intervals was placed in a dedicated paper bowl and homogenized with the spoon prior to transfer to the laboratory container. During the sampling event, the top six samples (to 24 inches) were sampled and analyzed. The remaining portion of the cores were archived by E & E for possible later sampling and analysis, if needed.



Locations that required additional sampling and analysis from archived cores to establish the vertical extent of contamination were collected at depth intervals of 24 to 30 inches and 30 to 36 inches at the following locations: 825BAILEY-01, -02, -03 and -04, and 26PERU-04, -06, and -07.

Four test pits were excavated and soil samples were collected from sidewalls at 825 Bailey Avenue to characterize the extent of contamination underneath the concrete driveway on the property. Sidewall samples under the concrete were collected in 3-inch depth intervals in the top 12 inches and in 6-inch depth intervals from 12 to 36 inches below grade.

All sample analyses were conducted by a NYSDEC-contracted laboratory, Eurofins TestAmerica Laboratories, Inc., of Amherst, New York (TestAmerica), and analyzed at either their Amherst, New York, or Edison, New Jersey laboratory for total arsenic and lead.

### 2.3 Investigation-derived Waste Management

The following types of investigation-derived waste were generated during this investigation: unused soil from Macro-Cores, Macro-Core plastic sleeves, decontamination water, and spent personal protective equipment, primarily gloves.

The minimal amounts of excess soil cuttings and decontamination liquids generated during the sampling event were securely stored in E & E's warehouse until remedial construction activities began. Then they were combined with similar remediation wastes (excavated soil and contact water) for disposal by NYSDEC's remediation contractor. Spent sampling supplies were disposed of as non-contaminated solid waste.

## 2.4 Sample Handling and Analysis

Soil samples were collected in containers provided by TestAmerica. All samples were labeled with unique location codes and sample codes and stored on ice pending delivery via hand drop-off or shipping to the laboratory.

Analyses were performed by TestAmerica. All samples were tested for total arsenic and lead using U.S. Environmental Protection Agency (EPA) SW-846 Method 6010C (inductively coupled plasma). Reports were consistent with NYSDEC Analytical Services Protocol Category B deliverable requirements and data were provided in NYSDEC EQuIS electronic data deliverables for review by E & E. Laboratory reports are provided in Appendix C.

## 2.5 Quality Assurance/Quality Control

Quality assurance (QA)/quality control (QC) samples, including field duplicates, rinsate blanks, and matrix spike (MS)/matrix spike duplicate (MSD) sample sets were collected in accordance with the specifications of E & E's Master Quality Assurance Project Plan (QAPP) for NYSDEC Projects (E & E 2020b). Field duplicates and MS/MSD samples were collected at the rate of approximately one per



20 field samples. Rinsate blanks were collected at a rate of one per day to test the decontamination procedures used on reusable sampling equipment.

Duplicate samples provide insight into the homogeneity of the sample matrix and establish a degree of confidence in the precision of the field sampling and analytical method. Soil duplicates were collected by homogenizing the sample matrix then filling additional laboratory jars. A review of the duplicate sample results is provided in the Data Usability Summary Reports (DUSRs) provided in Appendix D. Overall, the samples exhibited good precision between duplicate/replicate sample preparations, and there were no significant impacts on data usability associated with the field duplicate/replicate sample results. In one sample (28PERU-03-Z18-24), the duplicate exhibited poor precision for lead and results were qualified "J" as estimated; however, both the original and duplicate values were well below the residential SCO, so there was no impact on data usability.

In addition to analytical error introduced by machinery and sample handling, error can also occasionally result from analytical process interference by a sample matrix. This can result in the reporting of analytes at concentrations higher or lower than the true concentrations. Laboratory duplicates or MSDs are aliquots of the same sample that are split prior to analysis and are treated the same throughout the analytical process. The relative percent differences between the MS and MSD samples or between the normal and the laboratory duplicate indicate the precision of the analytical method. There were several instances where lead was recovered outside of acceptance criteria but post-digestion spikes were acceptable, indicating that matrix interference was present and laboratory precision was not an issue. In these cases, the results in the parent samples were qualified "J" as estimated.

Rinsate blanks were collected daily during the sampling event by pouring deionized water over decontaminated sample equipment. Rinsate blanks were analyzed for total arsenic and lead and none was detected in any of the blanks.

#### 2.6 Data Review

All laboratory deliverables were reviewed in accordance with the QAPP (E & E 2020b). The data were qualified following general guidelines in the EPA Region 2 standard operating procedure (EPA 2016). DUSRs were prepared as specified in NYSDEC's Guidance for Data Deliverables and the Development of Data Usability Summary Reports (NYSDEC 2010, Appendix 2B). The data review included an evaluation of the following:

- Holding times;
- Initial and continuing calibration;
- Reporting limits/dilutions;
- Calibration blanks and method blanks;
- MS/MSD/post digestion spike samples;
- Laboratory control samples;





- Field duplicates; and
- Interference checks.

Any deviations from acceptable QC specifications are discussed in the DUSRs. Qualifiers were added to the data, if appropriate, to indicate potential concerns with data usability. There were no significant impacts on data usability.

3

# **Analytical Results Discussion**

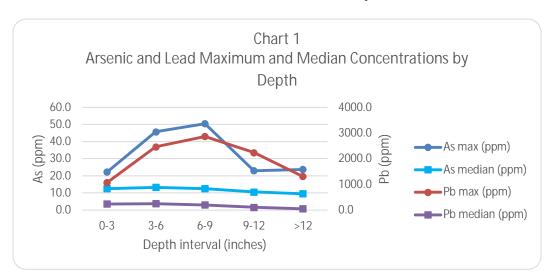
## 3.1 Initial Analytical Results Statistics

This section presents the analytical results statistics for the initial soil sampling activities conducted in 2020 to develop an understanding of the extent of potential soil contamination at the subject properties south of the site and evaluate the possible transport vectors. This analysis was performed based on the initial PDI samples from eight parcels and does not include samples collected in 2021 (including all data gap samples and PDI samples from properties 16 Peru Place and 825 Bailey Avenue).

Arsenic was detected in all samples collected at the eight subject south properties in the range of 3.3 to 50.6 milligrams per kilogram (mg/kg), or parts per million (ppm). Approximately 18% of the samples contained arsenic concentrations above the SCO of 16 ppm. Lead was detected in all samples collected at the eight subject south properties in the range of 14.1 to 2,870 ppm. Approximately 20% of the samples contained lead concentrations above the SCO of 400 ppm. Analytical results statistics are provided in Table 1. Total arsenic and lead concentrations reported in all samples collected during this investigation are provided on the property figures in Appendix A.

Chart 1, below, depicts the maximum and median arsenic and lead concentrations by depth. Maximum concentrations increase with depth to the 6- to 9-inch depth interval and then declined with depth. Median values were highest at the surface and declined with depth. This may indicate deposition of contaminants at the surface but with maximum concentrations in the shallow subsurface resulting from reworking of soil or the presence of historic fill.





#### 3.2 Contaminant Distribution

Contaminant distribution maps for arsenic and lead in soil at the initial eight properties are presented in Figures 2 through 7. These maps show that the highest concentrations of arsenic and lead were generally detected in the 3- to 6-inch and 6- to 9-inch depth intervals (orange, red, and purple symbols on Figures 2 through 7). In general, there is no consistent observable pattern in the distribution of the SCO exceedances. In the shallower depth intervals (to 9 inches), the exceedances occur in back yards (north side of properties), some side yards, and along Peru Place. Deeper samples below 9 inches do appear to exhibit more SCO exceedances in the back yards, with very few to no exceedances in other areas.

The presence of fill material identified during soil core sampling is also depicted on Figures 2 through 7. Although it was previously noted a higher correlation exists between SCO exceedances and the presence of fill than not, Figures 2 through 7 show that the correlation is not consistent and some of the highest concentrations of arsenic and lead do not correlate with fill.

#### **Environmental Fate and Transport**

Three main vectors possibly transported contaminants off the 837 Bailey Avenue site: air deposition of contaminated dust or ash/soot from fires, surface/storm water runoff, and reuse of fill material.

The prevailing wind direction for Buffalo, New York, is predominately from west southwest to west throughout the year (Windfinder.com 2021). Therefore, the greatest potential for air deposition is to the east and northeast of the site. However, there is day-to-day variability and localized alteration of wind direction from buildings, including the former site buildings, that impact localized airborne contaminant distribution. Anecdotal information provided by the owner of 36 Peru Place indicates that periodic fires at the former scrap yard occurred along the southern property border and soot distributed on the ground at several Peru Place properties. This statement has not been substantiated.



The existing condition topographical map and the site assessment from the Remedial Investigation/Alternative Analysis Report (EnSol, Inc. 2019) showed that the site is generally level with a slight downward gradient towards the southwest. Therefore, there was a potential for surface runoff towards the southern properties during heavy rains.

During previous investigations at the primary site in 2015, three distinct layers of fill material were observed throughout the site to varying depths: construction and demolition material, cinder material, and ash material (EnSol, Inc. 2019). Analytical testing was conducted on each material type at multiple locations throughout the site. Arsenic and lead levels were detected at relatively high concentrations in the cinder and construction and demolition materials, whereas the ash material did not show significantly elevated levels of arsenic or lead (EnSol, Inc. 2019). Of the 35 soil borings collected by E & E at the eight subject south properties, 12 had potential fill material or staining in the first 24 inches of the cores including black and white ash, white flakes, glass and bricks, woodchips, and rust coloration. It is not known if this material originated at the 837 Bailey Avenue site or if fill was placed throughout the area prior to construction of the houses and salvage yard. Where Erie County tax parcel data is available, it indicates that the houses along Peru Place were constructed in 1925 or 1930, predating the salvage yard.

E & E compared the analytical results with the soil sample descriptions on the boring logs to determine if the arsenic and lead concentrations that exceeded the SCOs were associated with a certain observed material. Soil descriptions and notes regarding the presence of fill are summarized in Table 2. Fifty-three of the initial samples contained arsenic and/or lead at concentrations exceeding SCOs. Of these, 19 samples, or 36%, contained fill material or staining including glass, a flaky fine fill, black ash, and brick. The other 34 samples with exceedances did not contain fill materials in the soil. Of the remaining 155 samples that did not exceed SCOs, only 17 samples, or 11%, also contained fill material. There is a higher correlation of arsenic and lead SCO exceedances associated with historic fill material than not.

## 3.3 South Properties Analytical Results

This section presents the analytical results for all soil samples collected at the 10 parcels south of the site in both 2020 and 2021. This information is intended to supplement the detailed analysis presented in Section 3.2 that was prepared after initial PDI sampling at the first eight properties (excluding 16 Peru Place and 825 Bailey Avenue..

A total of 322 soil samples (not including QC samples) were collected from 51 soil boring locations at the 10 properties. Arsenic was detected in all of the samples in the range of 2.7 to 50.6 ppm, with a median value of 11.2 ppm. A total of 19% of the samples contained arsenic concentrations above the SCO of 16 ppm. Lead was detected in all of the samples in the range of 14.1 ppm to 6,260 ppm, with a median value of 169 ppm. A total of 28% of the samples contained lead



#### 3 Analytical Results Discussion

concentrations above the SCO of 400 ppm. Total arsenic and lead concentrations reported in all samples collected during this investigation are provided on the property figures in Appendix A.

These analytical results were used to develop the property-specific excavation plans presented to NYSDEC and the New York State Department of Health for approval. The approved excavation plans were the basis for the remedial design drawings developed by E & E for each property.

4

## **Conclusions**

This report presents arsenic and lead data in soil samples collected from properties along Bailey Avenue and Peru Place along the southern boundary of the 837 Bailey Avenue site. Potential contaminant transport pathways were evaluated. The air deposition pathway (dust and soot from fires) could not be confirmed nor denied. The primary wind direction in the area is away from the south properties; however, there is potential for airborne contaminant migration to the south during periodic changes in wind direction. No direct evidence of surface water/stormwater runoff from the site was identified. However, pre-remediation contours of the former salvage yard suggest that overland flow is a possibility. The presence of historical fill was also confirmed at the site and south properties. There is a higher correlation of SCO exceedances associated with the presence of fill than not; however, the correlation is not spatially consistent with the distribution of exceedances. It was also not determined if the fill identified in the yards of the south properties was moved from the site or if it was placed throughout the area prior to development. Due to the potential for pre-remedial conditions at the 837 Bailey Avenue site to have impacted the properties south of the site and north of Peru Place, these 10 parcels were included in the remedial design and interim remedial measures implemented for the 837 Bailey Avenue offsite properties.

The presence of arsenic and lead SCO exceedances in the Peru Place right-of-way (ROW) is not suspected to be associated with the former 837 Bailey site. Fill material was present in the soil in some of the ROW locations; however, the type of fill observed was inconsistent with that observed in the backyards closer to the site (gravel, wood, and glass were observed in the ROW, whereas, ash and ashy material were observed elsewhere). The quality of soil fill used in the ROW during prior road construction or utility installation/repair is not known and evidence of multiple layers of road work occurred (the curb is nearly level with the road). It is possible that elevated contaminant concentrations in ROW soil resulted, at least in part, from runoff of airborne or spilled contaminants on the pavement surface. Therefore, it is expected that the extent of contaminant migration from the site is limited to properties immediately adjacent to the site on the north side of Peru Place and no investigation was performed at properties on the south side of Peru Place.

Available historical information for 817 Bailey Avenue in the City of Buffalo Online Assessment Roll System was reviewed. A former service station/auto shop was constructed in 1940 and pavement improvements occurred in 1960. The





good quality of the current pavement suggests that repaving occurred multiple times since 1960. Sanborn Fire Insurance maps show no improvement to the property in 1917, and in 1951 there was a "filling station" with six gas tanks. There are no records for 817 Bailey Avenue in the DECinfo Locator, Spills Incident Database, or Petroleum Bulk Storage Database (NYSDEC 2021). Considering that offsite contamination potentially associated with the 837 Bailey Avenue site is primarily confined to the top 12 inches at other nearby properties, it is likely that contamination predating the pavement at 817 Bailey Avenue was removed during previous property improvements. Therefore, no investigation under the existing asphalt at this property was performed.

5

## References

- Ecology and Environment Engineering and Geology, P.C. (E & E). 2020a. *Pre-Interim Remedial Design Investigation Sampling and Analysis Plan, 837 Bailey Avenue Offsite IRM, NYSDEC Site No. C915298A, Buffalo, New York*, June 18, 2020.
- \_\_\_\_\_\_. 2020b. Master Quality Assurance Project Plan (QAPP) for New York State Department of Environmental Conservation Projects. Prepared for New York State Department of Environmental Conservation, Albany, New York, April 2011.
- EnSol, Inc. 2019. Remedial Investigation/Alternative Analysis Report for 837 Bailey Ave. Site, Buffalo, NY, NYSDEC BCP Site No. C915298, prepared for Near Dingens, LLC, May 2019 (Rev. July 2019).
- New York State Department of Environmental Conservation (NYSDEC). 2010. DER-10, Technical Guidance for Site Investigation and Remediation, Division of Environmental Remediation, Albany, New York, May 2010.
- \_\_\_\_\_\_. 2021. DECinfo Locator. Accessed online at: <a href="https://gisser-vices.dec.ny.gov/gis/dil//index.html?REC">https://gisser-vices.dec.ny.gov/gis/dil//index.html?REC</a>. Accessed on February 15, 2021.
- U.S. Environmental Protection Agency (EPA) Region 2. 2016. *Hazardous Waste Support Section, SOP No. HW-3a Revision 1, ISM02.2, ICP-AES Data Validation*. New York, New York, September 2016.
- Windfinder.com. 2021. "Wind and Weather Statistics: Buffalo Lighthouse." Accessed online at: https://www.windfinder.com/windstatistics/buffalo. Accessed on February 15, 2021.

# **Tables**

Sampling Concentration Statistics<sup>1</sup> Table 1

Depth	0 to 3 i	nches	3 to 6 i	nches	6 to 9 i	nches	9 to 12 i	inches	>12 in	ches
Analyte	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead
Min	5.4	75.4	3.3	21.1	5.0	24.0	5.7	27.6	3.5	16.3
Max	22.3	1,080	45.7	2,460	50.6	2,870	23.0	2,240	23.7	1,310
Median	12.5	239	13.4	253.0	12.5	203	10.6	105	9.6	50.6
Percent exceeded SCO <sup>2</sup>	23%	34%	34%	37%	29%	23%	17%	17%	5.9%	5.9%

#### Notes:

<sup>&</sup>lt;sup>1</sup> Includes results only from the initial sampling performed at eight properties in 2020 used to evaluate off-site contaminant migration, as discussed in Section 3.2. <sup>2</sup> All results in milligrams per kilogram (parts per million [ppm]) unless noted. <sup>3</sup> Residential soil cleanup objectives (SCOs) of 16 ppm arsenic or 400 ppm lead (6 New York Codes Rules and Regulations 375-6.8(b)).

Soil	Sample			Exceed	s SCO <sup>1</sup>
Boring ID	Depth (Inches)	Soil Description	Presence of Fill	Arsenic	Lead
18PERU-01	00-03	Brown silty loam, organics	Fresence of Fill	yes	yes
18PERU-01	03-06	Brown silty loam, organics		yes	yes
18PERU-01	06-09	Brown silty loam, organics			yes
18PERU-01	09-12	light brown silty clay			
18PERU-01	12-18	light brown silty clay			
18PERU-01	18-24	light brown silty clay			
18PERU-02	00-03	dark brown topsoil, organics		yes	yes
18PERU-02	03-06	dark brown topsoil, organics		yes	yes
18PERU-02	06-09	dark brown topsoil, organics	glass observed (8-9 inches)	yes	<i>J</i> • • •
18PERU-02	09-12	light brown silty clay	8-11-2 (0 ) -11-2 (1 )	502	
18PERU-02	12-18	light brown silty clay	glass observed (17 inches)		
18PERU-02	18-24	light brown silty clay	8-11-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		
18PERU-03	00-03	medium brown sandy silt topsoil, some organics			
18PERU-03	03-06	medium brown sandy silt topsoil, some organics			
18PERU-03	06-09	medium brown sandy silt, trace fine gravel/brick	brick		
18PERU-03	09-12	medium brown sandy silt, trace fine gravel/brick	brick		
18PERU-03	12-18	light yellowish brown silt, trace sand			
18PERU-03	18-24	light yellowish brown silt, trace sand			
18PERU-04	00-03	medium brown sandy silt topsoil, organics	white flaky fine fill material		yes
18PERU-04	03-06	medium brown sandy silt topsoil, organics	white flaky fine fill material	yes	yes
18PERU-04	06-09	medium brown sandy silt, trace fine gravel	white flaky material	yes	yes
18PERU-04	09-12	medium brown sandy silt, trace fine gravel	white flaky material		yes
18PERU-04	12-18	light yellowish brown silt, some sand	white flaky material transferred		
			from above		
18PERU-04	18-24	light yellowish brown silt, some sand	white flaky material transferred		
			from above		
18PERU-06	00-03	medium-dark brown sandy silt topsoil, some organics			
18PERU-06	03-06	medium-dark brown sandy silt topsoil, some organics			yes
18PERU-06	06-09	medium-dark brown sandy silt topsoil, some organics		yes	
18PERU-06	09-12	light yellowish/reddish brown silt, trace sand			
18PERU-06	12-18	light yellowish/reddish brown silt, trace sand			

Soil Sample				Exceeds SCO <sup>1</sup>		
Boring ID	Depth (Inches)	Soil Description	Presence of Fill	Arsenic	Lead	
18PERU-06	18-24	light yellowish/reddish brown silt, trace sand				
20PERU-01	00-03	brown topsoil with organics				
20PERU-01	03-06	brown topsoil with organics		yes		
20PERU-01	06-09	light brown silty clay				
20PERU-01	09-12	light brown silty clay				
20PERU-01	12-18	light brown silty clay				
20PERU-01	18-24	light brown silty clay. 20": light brown clay				
20PERU-02	00-03	medium brown sandy topsoil, organics, medium small rounded gravel				
20PERU-02	03-06	medium brown sandy silt, trace gravel	rust coloration			
20PERU-02	06-09	medium brown sandy silt, trace gravel	rust coloration		yes	
20PERU-02	09-12	medium brown sandy silt, trace gravel	rust coloration	yes	•	
20PERU-02	12-18	medium brown sandy silt, trace gravel				
20PERU-02	18-24	light yellowish brown sandy silt, trace clay; medium brown silt, trace clay and fine gravel (19-24 inches)				
20PERU-03	00-03	Medium brown sandy silt, trace organics (0-1 inches) and fine gravel				
20PERU-03	03-06	Medium brown sandy silt, trace organics and fine gravel				
20PERU-03	06-09	Medium brown sandy silt, trace organics and fine gravel				
20PERU-03	09-12	Medium brown sandy silt, trace organics and fine gravel				
20PERU-03	12-18	Light yellowish brown sandy silt, trace clay, compact				
20PERU-03	18-24	Light yellowish brown sandy silt, trace clay, compact				
20PERU-04	00-03	Medium/dark brown sandy silt topsoil, some organics, trace fine gravel				
20PERU-04	03-06	Medium/dark brown sandy silt topsoil, some organics, trace fine gravel				
20PERU-04	06-09	Medium/dark brown sandy silt topsoil, some organics, trace fine gravel				

Soil	Sample			Exceed	s SCO <sup>1</sup>
Boring ID	Depth (Inches)	Soil Description	Presence of Fill	Arsenic	Lead
20PERU-04	09-12	medium/dark brown sandy silt, trace clay and fine			
		gravel			
20PERU-04	12-18	medium/dark brown sandy silt, trace clay and fine gravel			
20PERU-04	18-24	light yellowish brown silt, trace sand, compact			
24PERU-01	00-03	brown silty loam			
24PERU-01	03-06	brown silty loam			
24PERU-01	06-09	brown silty loam			
24PERU-01	09-12	brown silty loam			
24PERU-01	12-18	light brown silty clay			
24PERU-01	18-24	light brown silty clay			
24PERU-02	00-03	dark brown topsoil, organics (to 4 inches)		yes	yes
24PERU-02	03-06	light brown silty clay	4-10 inches trace black ashy fill	yes	yes
24PERU-02	06-09	light brown silty clay	4-10 inches trace black ashy fill	yes	yes
24PERU-02	09-12	light brown silty clay	4-10 inches trace black ashy fill	yes	•
24PERU-02	12-18	light brown silty clay			
24PERU-02	18-24	light brown silty clay			
24PERU-03	00-03	topsoil, organics			
24PERU-03	03-06	topsoil, organics		yes	yes
24PERU-03	06-09	light brown silty clay		yes	yes
24PERU-03	09-12	light brown silty clay			
24PERU-03	12-18	dark brown silty clay			yes
24PERU-03	18-24	dark brown silty clay. 21-24 inches: light brown clay			
26PERU-01	00-03	brown silty loam			
26PERU-01	03-06	brown silty loam		yes	
26PERU-01	06-09	brown silty loam		yes	
26PERU-01	09-12	brown silty loam			
26PERU-01	12-18	light brown silty clay			
26PERU-01	18-24	light brown silty clay			
26PERU-02	00-03	topsoil, organics			

Soil	Sample			Exceeds S		
Boring ID	Depth (Inches)	Soil Description	Presence of Fill	Arsenic	Lead	
26PERU-02	03-06	topsoil, organics				
26PERU-02	06-09	light brown silt, some clay				
26PERU-02	09-12	light brown silt, some clay				
26PERU-02	12-18	dark brown silty loam				
26PERU-02	18-24	light brown silty clay				
26PERU-03	00-03	brown silt, fine gravel and organics			yes	
26PERU-03	03-06	brown silt, few fill - coal ash/white ash and gravel	coal ash/white ash			
26PERU-03	06-09	brown silt, few tan clay and gravel, clay increasing with depth				
26PERU-03	09-12	brown silt, few tan clay and gravel, clay increasing with depth				
26PERU-03	12-18	brown silt, few tan clay and gravel, clay increasing with depth				
26PERU-03	18-24	brown silt, few tan clay and gravel, clay increasing with depth				
26PERU-04	00-03	brown silt topsoil, trace gravel and organics				
26PERU-04	03-06	brown silt topsoil, trace gravel and organics				
26PERU-04	06-09	brown silt topsoil, trace gravel and organics				
26PERU-04	09-12	brown silt topsoil, trace gravel and organics				
26PERU-04	12-18	light brown silt, little clay, dense		yes	yes	
26PERU-04	18-24	light brown silt, little clay, dense		yes	yes	
26PERU-05	00-03	brown silt topsoil, organics			yes	
26PERU-05	03-06	brown silt topsoil, organics			yes	
26PERU-05	06-09	brown silt, trace fill (brick) and glass	trace brick, glass		yes	
26PERU-05	09-12	brown silt, trace fill (brick) and glass	trace brick, glass	yes	yes	
26PERU-05	12-18	brown silt, little tan clay			-	
26PERU-05	18-24	brown silt, little tan clay				
28PERU-01	00-03	brown topsoil, organics				
28PERU-01	03-06	brown topsoil, organics, small-medium gravel, trace ashy fill	trace ashy fill	yes	yes	

Soil	Sample	scriptions		Exceed	s SCO¹
Boring	Depth	0.115	5 ( 5 ) )		
ID 20DEDIL 01	(Inches)	Soil Description	Presence of Fill	Arsenic	Lead
28PERU-01	06-09	brown silty loam, some clay		yes	
28PERU-01	09-12	brown silty loam, some clay			
28PERU-01	12-18	light brown silty clay			
28PERU-01	18-24	light brown silty clay			
28PERU-02	00-03	topsoil, organics			
28PERU-02	03-06	brown silty loam			
28PERU-02	06-09	brown silty loam			
28PERU-02	09-12	light brown silty clay			
28PERU-02	12-18	light brown silty clay			
28PERU-02	18-24	light brown silty clay, 20 inches: light brown clay			
28PERU-03	00-03	brown topsoil, organics			
28PERU-03	03-06	brown topsoil, organics			
28PERU-03	06-09	light brown silty clay			
28PERU-03	09-12	light brown silty clay			
28PERU-03	12-18	light brown silty clay			
28PERU-03	18-24	light brown silty clay			
28PERU-04	00-03	topsoil, organics			
28PERU-04	03-06	topsoil, organics			
28PERU-04	06-09	light brown silty clay			
28PERU-04	09-12	light brown silty clay			
28PERU-04	12-18	light brown silty clay			
28PERU-04	18-24	light brown silty clay			
32PERU-01	00-03	brown topsoil, organics		yes	
32PERU-01	03-06	brown topsoil, organics		yes	yes
32PERU-01	06-09	large gravel, woodchips	woodchips	yes	
32PERU-01	09-12	light brown silty clay			
32PERU-01	12-18	light brown silty clay			
32PERU-01	18-24	light brown silty clay			
32PERU-02	00-03	topsoil, organics			
32PERU-02	03-06	reddish brown clay			

Soil	Sample			Exceed	eds SCO <sup>1</sup>	
Boring	Depth	0.110	B			
ID CORPORATION	(Inches)	Soil Description	Presence of Fill	Arsenic	Lead	
32PERU-02	06-09	reddish brown clay				
32PERU-02	09-12	reddish brown clay			yes	
32PERU-02	12-18	reddish brown clay				
32PERU-02	18-24	light brown clay		yes		
32PERU-03	00-03	brown topsoil, organics				
32PERU-03	03-06	reddish brown silty clay				
32PERU-03	06-09	reddish brown silty clay				
32PERU-03	09-12	reddish brown silty clay				
32PERU-03	12-18	light brown silty clay				
32PERU-03	18-24	light brown silty clay				
32PERU-04	00-03	light brown silty loam, trace black ashy fill	trace black ashy fill			
32PERU-04	03-06	light brown silty loam, trace black ashy fill	trace black ashy fill			
32PERU-04	06-09	light brown silty loam, trace black ashy fill	trace black ashy fill			
32PERU-04	09-12	light brown silty clay				
32PERU-04	12-18	light brown silty clay				
32PERU-04	18-24	light brown silty clay				
36PERU-01	00-03	dark brown topsoil, organics		yes		
36PERU-01	03-06	dark brown topsoil, organics				
36PERU-01	06-09	light brown/reddish clay	trace black ashy fill (7-15 inches)			
36PERU-01	09-12	dark brown silty loam	trace black ashy fill (7-15 inches)			
36PERU-01	12-18	dark brown silty loam; light brown silty clay (15	trace black ashy fill (7-15			
		inches); large gravel, clay (14-15 inches)	inches)			
36PERU-01	18-24	light brown silty clay				
36PERU-02	00-03	dark brown silty loam, organics, some clay				
36PERU-02	03-06	dark brown silty loam, organics, some clay				
36PERU-02	06-09	dark brown silty loam, organics, some clay				
36PERU-02	09-12	dark brown silty loam, organics, some clay				
36PERU-02	12-18	light brown silty clay				

Soil	Sample			Exceed	s SCO <sup>1</sup>
Boring ID	Depth (Inches)	Soil Description	Presence of Fill	Arsenic	Lead
36PERU-02	18-24	light brown clay	Fresence of Fill	Arsenic	Leau
36PERU-03	00-03	brown topsoil, organics			
36PERU-03	03-06	brown topsoil, organics		yes	
36PERU-03	06-09	brown silty loam, some sand		yes	
36PERU-03	09-12	brown silty loam, some sand			
36PERU-03	12-18	light brown silty clay, some sand			
36PERU-03	18-24	light brown silty clay, some sand			
36PERU-04	00-03	dark brown silty loam, organics			
36PERU-04	03-06	dark brown silty loam, organics			
36PERU-04	06-09	dark brown silty loam, organics			
36PERU-04	09-12	dark brown silty loam, organics			
36PERU-04	12-18	light brown silty clay			
36PERU-04	18-24	light brown silty clay			
36PERU-05	00-03	brown topsoil, organics	trace black/white ashy fill		
36PERU-05	03-06	brown topsoil, organics	trace black/white ashy fill	yes	
36PERU-05	06-09	brown silty loam	trace black/white ashy fill	yes	
36PERU-05	09-12	brown silty loam	trace black/white ashy fill		
36PERU-05	12-18	light brown silty clay	trace black/white ashy fill (to 13		
301 LKC 03	12 10	light brown sitty citay	inches)		
36PERU-05	18-24	light brown silty clay	menes)		
36PERU-06	00-03	dark brown silty loam, organics, some clay			
36PERU-06	03-06	dark brown silty loam, organics, some clay			
36PERU-06	06-09	dark brown silty loam, organics, some clay			
36PERU-06	09-12	light brown silty clay			
36PERU-06	12-18	light brown silty clay			
36PERU-06	18-24	light brown silty clay			
36PERU-07	00-03	dark brown silty loam, trace black ashy fill	trace black ashy fill	yes	yes
36PERU-07	03-06	dark brown silty loam, trace black ashy fill	trace black ashy fill	yes	yes
36PERU-07	06-09	dark brown silty loam, trace black ashy fill	trace black ashy fill	yes	yes

Soil	Sample		Exceeds SCO <sup>1</sup>		
Boring ID	Depth (Inches)	Soil Description	Presence of Fill	Arsenic	Lead
36PERU-07	09-12	dark brown silty loam, trace black ashy fill, some	trace black ashy fill, gravel	yes	yes
		medium gravel			
36PERU-07	12-18	light brown silty clay			
36PERU-07	18-24	light brown silty clay			
36PERU-08	00-03	dark brown sandy silt topsoil			yes
36PERU-08	03-06	dark brown sandy silt topsoil		yes	yes
36PERU-08	06-09	dark brown sandy silt topsoil		yes	yes
36PERU-08	09-12	dark brown silt, some sand, trace fine gravel		yes	yes
36PERU-08	12-18	dark brown silt, some sand, trace fine gravel		yes	yes
36PERU-08	18-24	light yellowish brown sand, trace silt			-
817BAILEY-01	00-03	dark brown silty loam topsoil, little gravel			
817BAILEY-01	03-06	dark brown silty loam topsoil, little gravel			
817BAILEY-01	06-09	dark brown silty loam topsoil, little gravel			
817BAILEY-01	09-12	dark brown silty loam topsoil, little gravel			yes
817BAILEY-02	00-03	dark brown silt, little gravel and clay		yes	yes
817BAILEY-02	03-06	dark brown silt, little gravel and clay			yes
817BAILEY-02	06-09	dark brown silt, little gravel and clay			yes
817BAILEY-02	09-12	dark brown silt, little gravel and clay			•
817BAILEY-02	12-18	dark brown silt, little gravel and clay			
817BAILEY-02	18-24	brown to light tan silt, some clay			

Note:

<sup>&</sup>lt;sup>1</sup> Residential soil cleanup objective of 16 parts per million for arsenic, 400 parts per million for lead. <sup>2</sup> Includes results only from the initial sampling performed at eight properties in 2020 used to evaluate off-site contaminant migration, as discussed in Section 3.2.

# **Figures**



Source: Google Earth 2020

Figure 1 837 Bailey Avenue Off-Site Project 837 Bailey Avenue Buffalo, New York Site No. C915298A



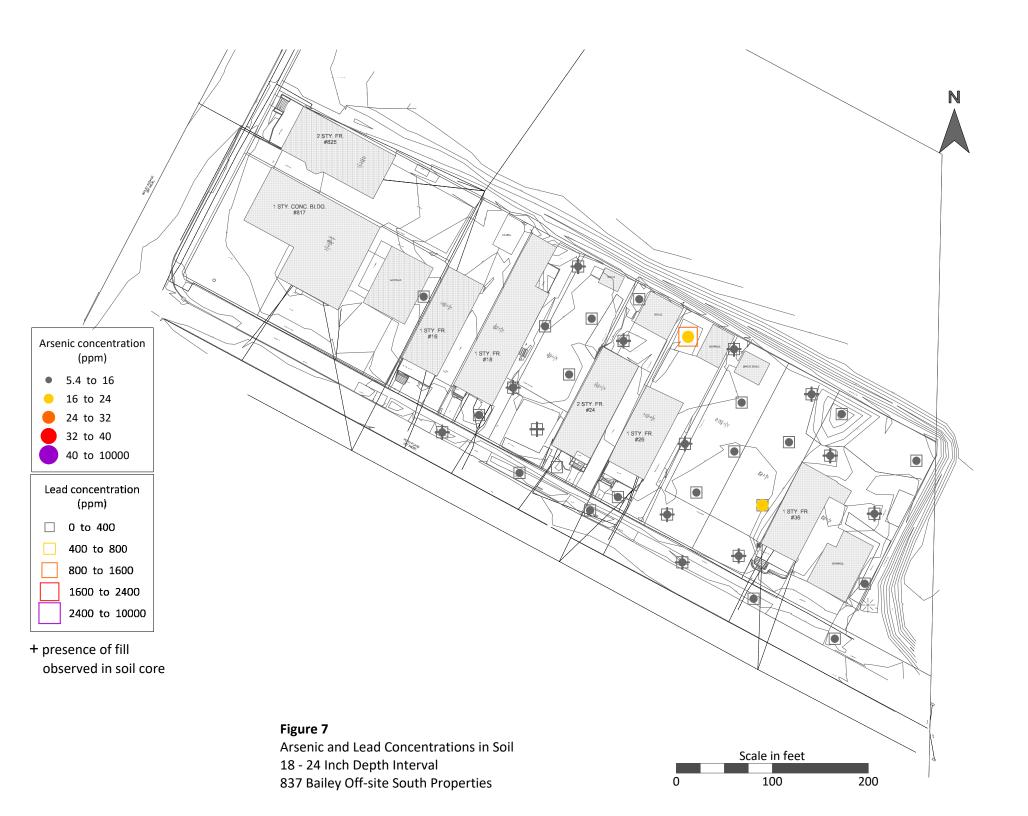






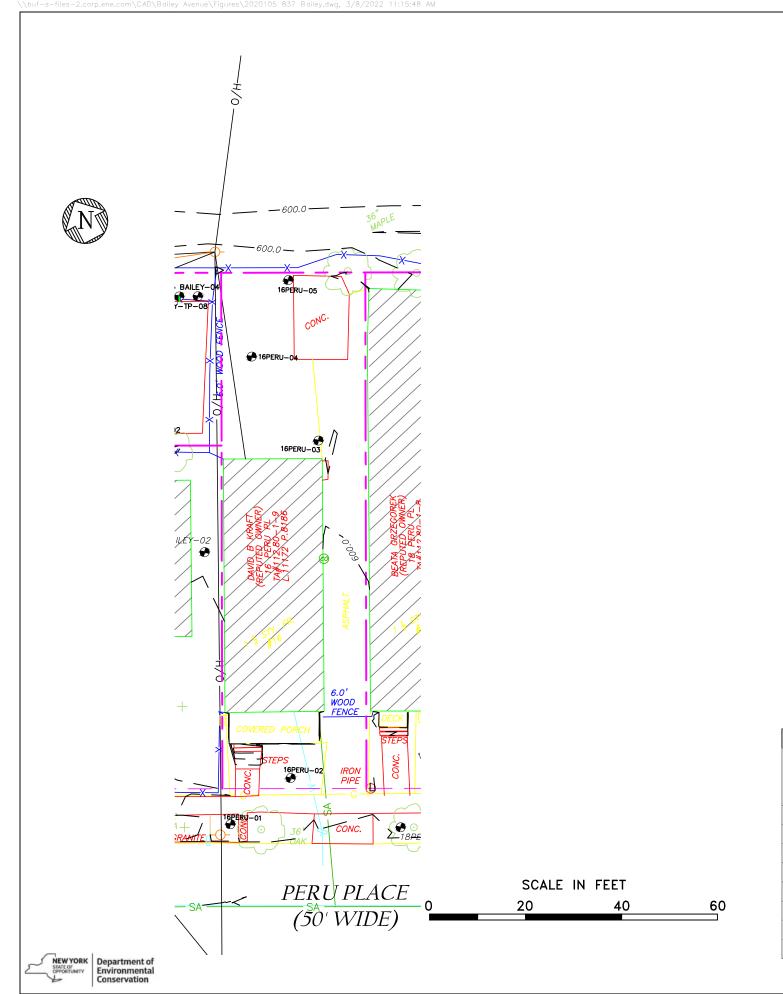


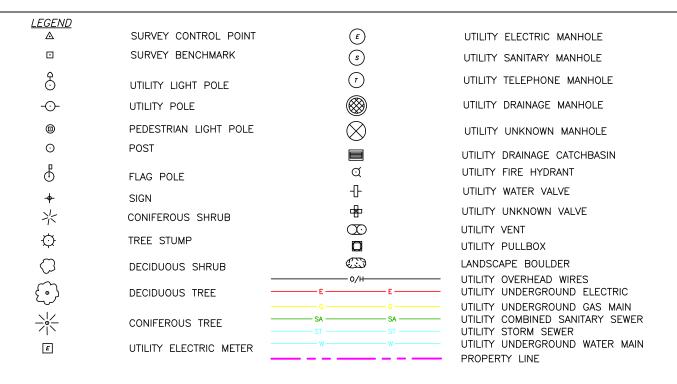






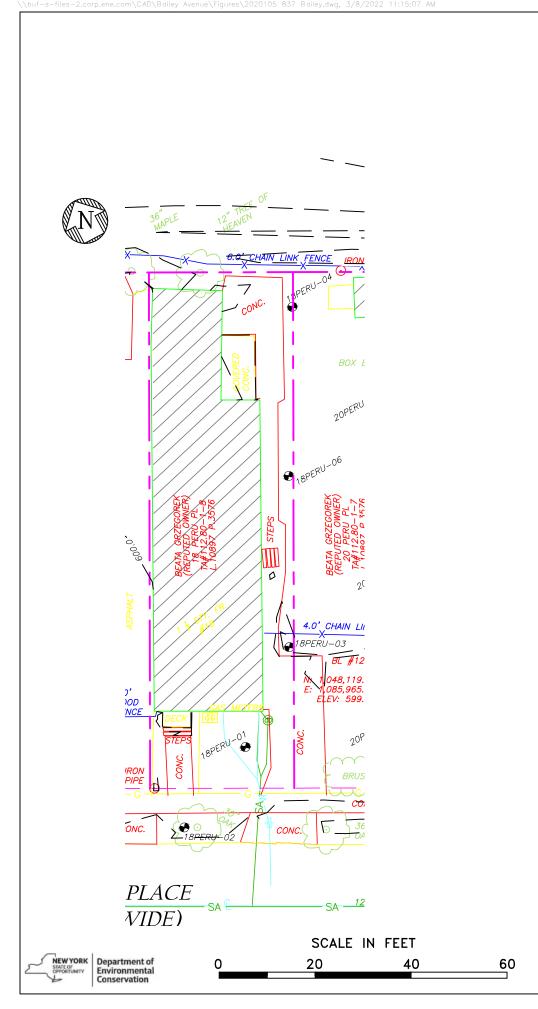
# Analytical Results Figures for South Properties





- 1. FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.

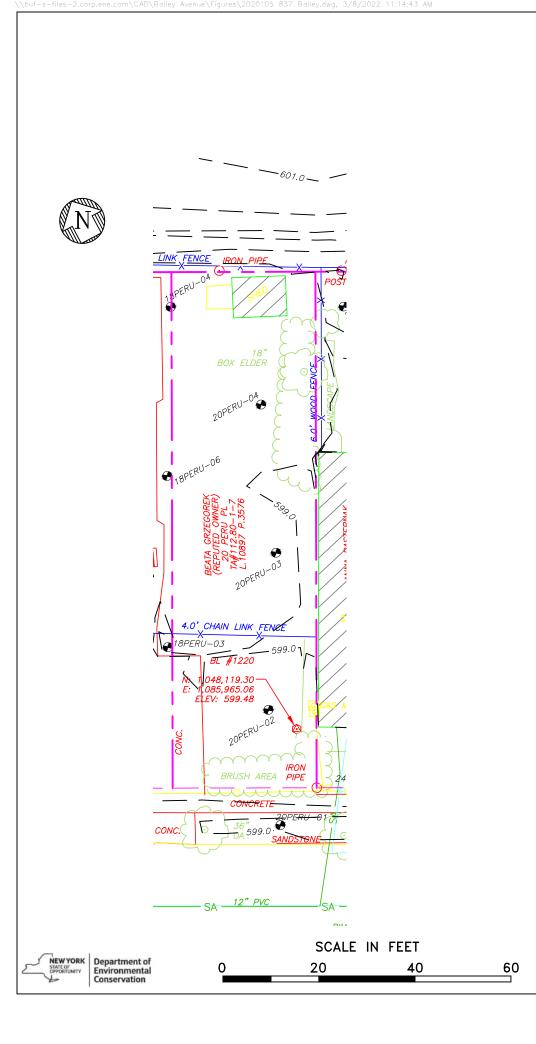
		ei.		2021 Anal	ytical Res	ults for 16 P	eru Place					
Start	End		Results in milligrams per kilogram (mg/kg)									
	Depth	16PERU-01		16PER	16PERU-02		U-03	16PER	U-04	16PERU-05		
	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	
0	3	9.1	248	11.2	293	17.2	1060	10.2	518	13.2	1470	
3	6	13.3	541	12.7	268	16.6	1140	11.8	547	14.8	1050	
6	9	13.6	482	13.0	274	15.6	1040	14.4	603	13.5	553	
9	12	14.3	256	13.8	315	12.8	577	13.0	304	15.0	410	
12	18	8.6	124	12.0	237	10.5	208	10.5	145	13.5	267	
18	24	4.5	27.8	8.3	35.6	11.5	254	10.4	134	13.3	294	
24	30									9.1	138	
30	36									7.1	68.5	



<u>LEGEND</u> ∆	SURVEY CONTROL POINT	(E)	UTILITY ELECTRIC MANHOLE
⊡	SURVEY BENCHMARK	<u>s</u>	UTILITY SANITARY MANHOLE
$\odot$	UTILITY LIGHT POLE	T	UTILITY TELEPHONE MANHOLE
	UTILITY POLE		UTILITY DRAINAGE MANHOLE
▣	PEDESTRIAN LIGHT POLE	$\otimes$	UTILITY UNKNOWN MANHOLE
$\odot$	POST		UTILITY DRAINAGE CATCHBASIN
$\blacksquare$	FLAG POLE	Q	UTILITY FIRE HYDRANT
<del>-</del>	SIGN	-[]-	UTILITY WATER VALVE
米	CONIFEROUS SHRUB	₩-	UTILITY UNKNOWN VALVE
		$\infty$	UTILITY VENT
$\Diamond$	TREE STUMP		UTILITY PULLBOX
$\bigcirc$	DECIDUOUS SHRUB		LANDSCAPE BOULDER
<u>{</u>	DECIDUOUS TREE		UTILITY OVERHEAD WIRES UTILITY UNDERGROUND ELECTRIC
			UTILITY UNDERGROUND GAS MAIN
	CONIFEROUS TREE	SA SA ST ST	UTILITY COMBINED SANITARY SEWER UTILITY STORM SEWER
E	UTILITY ELECTRIC METER	W	UTILITY UNDERGROUND WATER MAIN PROPERTY LINE
			THOI ENT LINE

		134		2020 Anal	ytical Resu	ults for 18 P	eru Place						
Start End Depth Depth	End	Results in milligrams per kilogram (mg/kg)											
	Depth	18PEF	RU-01	18PERU-02		18PEF	18PERU-03		U-04	18PERU-06			
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead		
0	3	17.3	942	22.3	421	11.7	289	14.4	514	13.7	280		
3	6	11.2	417	37.1	478	15.3	305	17.7	511	14.6	2460		
6	9	7.8	30.3	25.3	339	10.4	176	17.7	415	16.7	275		
9	12	9.7	71.2	12.9	81.5	5.7	97.8	15.9	855	13.8	176		
12	18	8.8	258	11.5	87.6 J	9.2	47.4	8.9	242	7.9	76.0		
18	24	6.7	58.8	10.3	31.6	12.0	25.5	11.0	89.2	9.3	24.4		

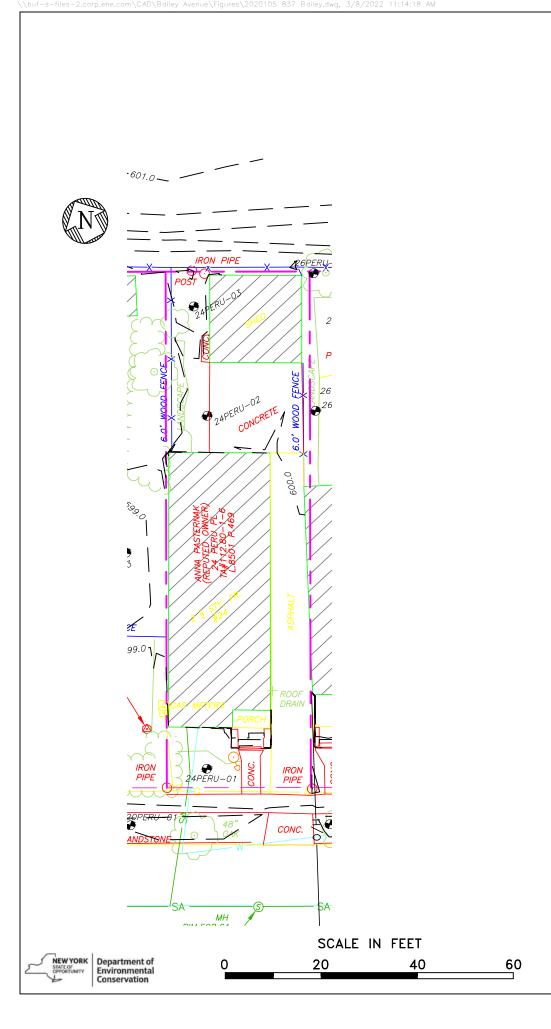
- 1. FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.



<u>LEGEND</u> A	SURVEY CONTROL POINT	(E)	UTILITY FLECTRIC MANHOLE
_ _	SURVEY BENCHMARK	(\$)	UTILITY SANITARY MANHOLE
۵			
ð	UTILITY LIGHT POLE	(7)	UTILITY TELEPHONE MANHOLE
	UTILITY POLE		UTILITY DRAINAGE MANHOLE
<b>©</b>	PEDESTRIAN LIGHT POLE	$\otimes$	UTILITY UNKNOWN MANHOLE
$\odot$	POST		UTILITY DRAINAGE CATCHBASIN
$\bigcirc$	FLAG POLE	Q	UTILITY FIRE HYDRANT
<del>-</del>	SIGN	-0-	UTILITY WATER VALVE
米	CONIFEROUS SHRUB	₩	UTILITY UNKNOWN VALVE
	TDEE CTUMP	$\bigcirc$	UTILITY VENT
$\Diamond$	TREE STUMP		UTILITY PULLBOX
$\bigcirc$	DECIDUOUS SHRUB		LANDSCAPE BOULDER
	DECIDUOUS TREE	O/HE	UTILITY OVERHEAD WIRES UTILITY UNDERGROUND ELECTRIC
\ <u> </u> /_	CONIFEROUS TREE		UTILITY UNDERGROUND GAS MAIN UTILITY COMBINED SANITARY SEWER UTILITY STORM SEWER
E	UTILITY ELECTRIC METER		UTILITY UNDERGROUND WATER MAIN PROPERTY LINE

·		202	20 Analy	tical Resul	ts for 20	Peru Plac	e	·				
Start	End		Results in milligrams per kilogram (mg/kg)									
Depth	Depth	20PERU-01		20PEF	20PERU-02		20PERU-03		U-04			
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead			
0	3	15.0	199	7.1	113	7.1	129	8.6	156			
3	6	17.4	256	14.7	261	8.9	149	10.8	211			
6	9	11.5	117	13.9	438	10.6	211	11.8	219			
9	12	8.0	51.6	16.1	201	10.4	148 J	10.6	166			
12	18	10	19.0	11.6	102	5.9	56.5	8.3	106			
18	24	8.9	17.7	3.5	20.0	9.7	21.2	6.9	20.8			

- 1. FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.

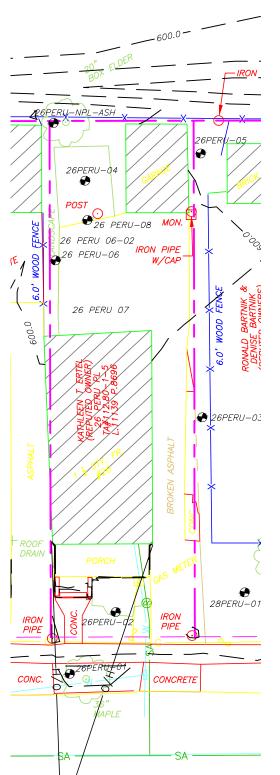


<u>LEGEND</u> A	SURVEY CONTROL POINT	(E)	UTILITY ELECTRIC MANHOLE
⊡	SURVEY BENCHMARK	S	UTILITY SANITARY MANHOLE
Ō	UTILITY LIGHT POLE	T	UTILITY TELEPHONE MANHOLE
	UTILITY POLE		UTILITY DRAINAGE MANHOLE
<b>©</b>	PEDESTRIAN LIGHT POLE	$\otimes$	UTILITY UNKNOWN MANHOLE
0	POST		UTILITY DRAINAGE CATCHBASIN
4	FLAG POLE	Q	UTILITY FIRE HYDRANT
<del>-</del>	SIGN	-0-	UTILITY WATER VALVE
米	CONIFEROUS SHRUB	₩	UTILITY UNKNOWN VALVE
<del>O</del>	TREE STUMP	<b>○</b>	UTILITY VENT UTILITY PULLBOX
$\bigcirc$	DECIDUOUS SHRUB		LANDSCAPE BOULDER
	DECIDUOUS TREE		UTILITY OVERHEAD WIRES UTILITY UNDERGROUND ELECTRIC UTILITY UNDERGROUND GAS MAIN
<u> </u>	CONIFEROUS TREE	SASA STST	UTILITY COMBINED SANITARY SEWER UTILITY STORM SEWER
E	UTILITY ELECTRIC METER	w	UTILITY UNDERGROUND WATER MAIN PROPERTY LINE

	2020 Analytical Results for 24 Peru Place										
Start	End	Results in milligrams per kilogram (mg/kg)									
Depth	Depth	24PER	U-01	24PEF	RU-02	24PEF	<b>RU-03</b>				
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead				
0	3	13.2	314	16.7	1080	12.5	131				
3	6	13.4	221	18.7	980	45.7	981				
6	9	11.9	126	17.1	768	50.6	871				
9	12	9.8	130	16.4	259	13.8	226				
12	18	6.1	36.0	12.9	109	11.7	479				
18	24	5.1	18.3	10.7	76.4 J	6.1	89.9				

- 1. FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.





NEW YORK
STATE OF STATE OF Environmental Conservation

LEGEND			
<u> </u>	SURVEY CONTROL POINT	E	UTILITY ELECTRIC MANHOLE
⊡	SURVEY BENCHMARK	S	UTILITY SANITARY MANHOLE
Ô	UTILITY LIGHT POLE	7	UTILITY TELEPHONE MANHOLE
	UTILITY POLE		UTILITY DRAINAGE MANHOLE
<b>©</b>	PEDESTRIAN LIGHT POLE	$\bigotimes$	UTILITY UNKNOWN MANHOLE
$\odot$	POST		UTILITY DRAINAGE CATCHBASIN
₫	FLAG POLE	Q	UTILITY FIRE HYDRANT
<del>-</del>	SIGN	-[]-	UTILITY WATER VALVE
米	CONIFEROUS SHRUB	<b>4</b>	UTILITY UNKNOWN VALVE
$\Diamond$	TREE STUMP		UTILITY VENT UTILITY PULLBOX
$\bigcirc$	DECIDUOUS SHRUB		LANDSCAPE BOULDER
	DECIDUOUS TREE -		UTILITY OVERHEAD WIRES UTILITY UNDERGROUND ELECTRIC UTILITY UNDERGROUND GAS MAIN
<u> </u>	CONIFEROUS TREE	SASA	UTILITY COMBINED SANITARY SEWER UTILITY STORM SEWER
E	UTILITY ELECTRIC METER	w	UTILITY UNDERGROUND WATER MAIN PROPERTY LINE

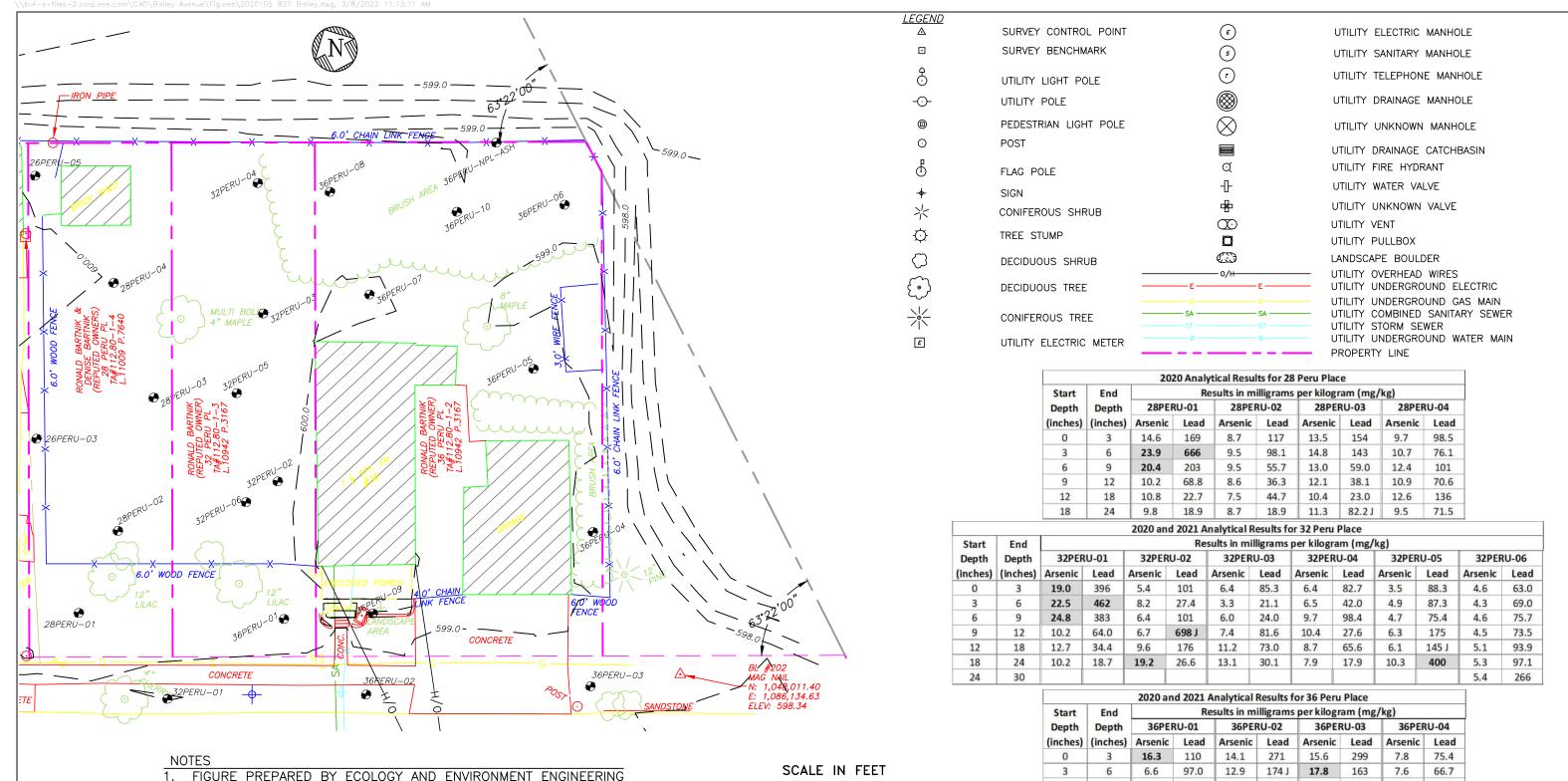
						20	20 and 2	021 Analy	tical Res	ults for 26	Peru Pla	ice					
Start	End							Results	in millig	rams per l	kilogram	(mg/kg)					
Depth	Depth	26PER	U-01	26PEF	RU-02	26PER	U-03	26PEF	RU-04	26PER	U-05	26PER	U-06	26PER	RU-07	26PER	RU-08
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead
0	3	14.2	288	12.2	239	12.2	430	9.1	184	10.8	487	22.1	232	22.8	629	12.8	354
3	6	17.6	351	13.7	196 J	12.3	353	11.1	253	11.5	514	32.6	369	31.8	690	12.8	307
6	9	21.8	346	9.4	54.0	13.0	283	12.5	295	12.3	603	41.4	412	54.9	461	13.8	341
9	12	6.3	69.6	11.7	98.6	14.5	264	12.4	287	18.2	2240	54.1	469	32.0	537	15.0	262
12	18	6.8	35.0	7.7	60.6	13.9	124	21.6	921	12.8	249	56.6	388	25.0	237	13.9	274
18	24	7.7	16.4	6.5	22.2	6.8	53.4	23.7	1310	7.6	142	45.5	230	13.7	86.4	9.8	86.4
24	30							3.3	24.8			6.9	34.9	12.1	310		
30	36							9.0	155			13.1	77.4	6.0	40.8		

DEEPER DATA GAP SAMPLES (24 - 36 INCHES) WERE COLLECTED AND THE RESULTS WERE ADDED TO THE ASSOCIATED LOCATION (DENOTED AS "-02"). HOWEVER, THE LOCATIONS OF THE DATA GAP SAMPLES WERE SLIGHTLY OFFSET FROM THE ORIGINAL BUT RESULTS SHOW NO LEVELS ABOVE SCO AND THEREFORE NOT A FACTOR IN DESIGN CHANGES.

### NOTES

- 1. FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.

SCALE IN FEET
20 40 60



20

60

AND GEOLOGY, P.C.

TESTAMERICA.

NEW YORK Department of

Environmental Conservation

2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING,

4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED

VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.

3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS

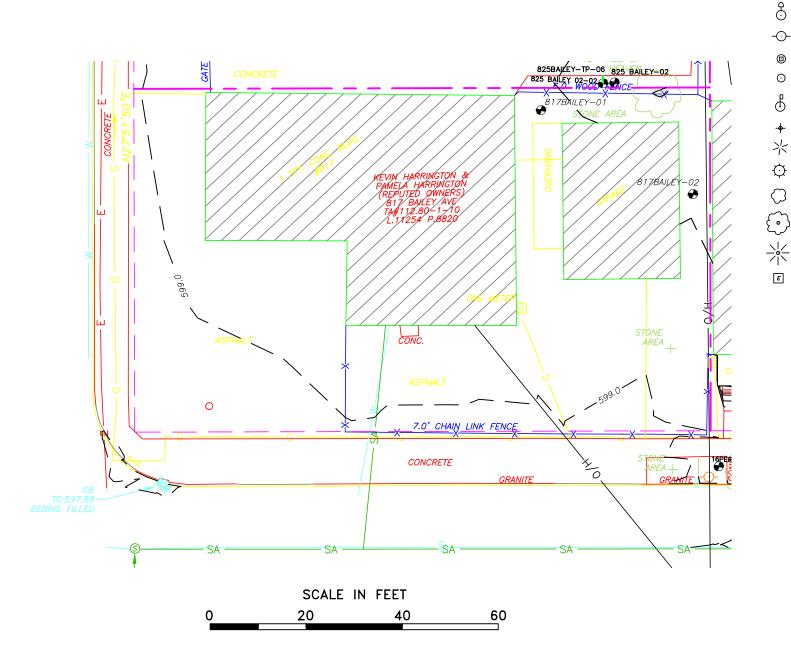
		2020 an	d 2021 A	Analytical I	Results f	or 36 Peru	Place					
Start	End		Results in milligrams per kilogram (mg/kg)									
Depth	Depth	36PERU-01		36PERU-02		36PERU-03		36PERU-04				
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead			
0	3	16.3	110	14.1	271	15.6	299	7.8	75.4			
3	6	6.6	97.0	12.9	174 J	17.8	163	7.6	66.7			
6	9	5.0	57.3	12.8	138	14.7	86.1	8.0	39.1			
9	12	8.7	77.5	9.8	107	13.9	70.5	11.0	72.7			
12	18	10.0	54.6	9.4	67.2	10.3	32.6	10.7	29.7			
18	24	13.4	31.3	12.5	44.1	10.6	22.1	8.4	16.3			

				2020	and 202	21 Analytic	al Resul	ts for 36 P	eru Place	2			
Start	End		Results in milligrams per kilogram (mg/kg)										
Depth Depth	36PERU-05		36PERU-06		36PEF	36PERU-07		36PERU-08		RU-09	36PERU-10		
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead
0	3	11.1	254	16.1	158	17.0	615	9.9	453	18.7	442	18.3	196
3	6	17.2	231	11.3	135	18.5	693	16.6	633	19.1	496	10.2	196
6	9	15.1	175	12.2	169	19.9	2870	22.3	847	24.7	623	10.1	196
9	12	10.0	105	8.0	97.9	16.9	1670	23.0	792	26.9	757	9.6	149
12	18	5.9	47.8	5.5	17.7	12.2	163	16.9	465	20.3	522	7.6	58.3
18	24	6.7	26.9	6.9	24.5	8.7	99.8 J	9.1	59.2	17.0	340		

ANALYTICAL RESULTS
PROPERTY ID: 28/32/36 PERU
28, 32, AND 36 PERU PLACE
BAILEY AVENUE BUFFALO, NEW YORK



BAILEY AVENUE (66' WIDE)



SURVEY CONTROL POINT E UTILITY ELECTRIC MANHOLE SURVEY BENCHMARK  $\bigcirc$ s UTILITY SANITARY MANHOLE 7 UTILITY TELEPHONE MANHOLE UTILITY LIGHT POLE UTILITY DRAINAGE MANHOLE UTILITY POLE  $\otimes$ PEDESTRIAN LIGHT POLE UTILITY UNKNOWN MANHOLE POST UTILITY DRAINAGE CATCHBASIN Q UTILITY FIRE HYDRANT FLAG POLE -UTILITY WATER VALVE SIGN 4 UTILITY UNKNOWN VALVE CONIFEROUS SHRUB  $\infty$ UTILITY VENT TREE STUMP UTILITY PULLBOX LANDSCAPE BOULDER DECIDUOUS SHRUB UTILITY OVERHEAD WIRES DECIDUOUS TREE UTILITY UNDERGROUND ELECTRIC UTILITY UNDERGROUND GAS MAIN UTILITY COMBINED SANITARY SEWER CONIFEROUS TREE UTILITY STORM SEWER UTILITY UNDERGROUND WATER MAIN UTILITY ELECTRIC METER PROPERTY LINE

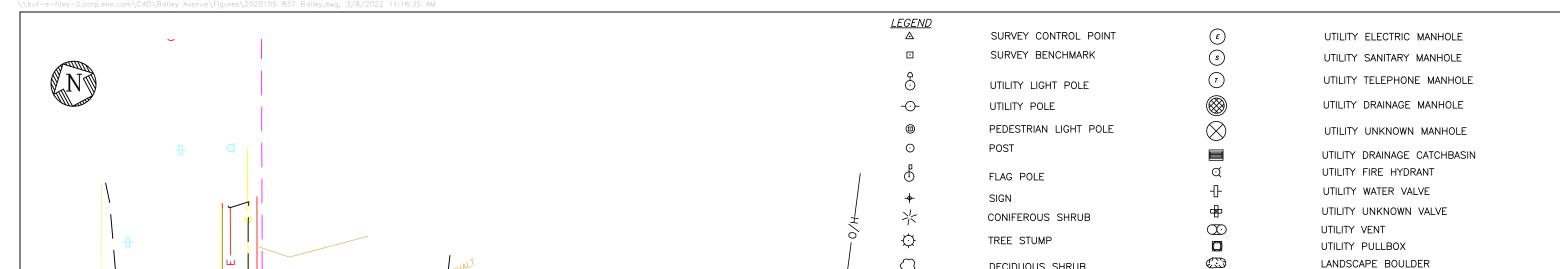
	2020 A	nalytical Res	ults for 81	7 Bailey Ave						
Start	End	Results in milligrams per kilogram (mg/kg)								
Depth	Depth	817BAI	LEY-01	817BAI	LEY-02					
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead					
0	3	9.6	182	16.9	774					
3	6	12.1	235	11.1	539					
6	9	11.3	251	14.8	1280					
9	12	10.6	487	7.2	302					
12	18	N/A	N/A	12.1	225					
18	24	N/A	N/A	6.1	72.7					

# NOTES

<u>LEGEND</u> △

⊡

- 1. FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.



825 BAILEY -03-02 825 BAILEY -825 BAILEY -04-02 825 BAILEY -1P-08

825BAILEY-TP-06 825 BAILEY-02

825 BAILEY 02-02

817BAII FY-01

# NOTES

E

825 BAILEY-02

DECIDUOUS SHRUB

DECIDUOUS TREE

CONIFEROUS TREE

UTILITY ELECTRIC METER

TEST PIT LOCATION

- FIGURE PREPARED BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C.
- 2. BASE MAP SURVEY BY RAVI ENGINEERING AND LAND SURVEYING, P.C.
- 3. NYSDEC ANALYTICAL RESULTS PROVIDED BY EUROFINS TESTAMERICA.
- 4. DATA VALIDATION BY ECOLOGY AND ENVIRONMENT ENGINEERING AND GEOLOGY, P.C. ANALYTES FLAGGED "J" WERE POSITIVELY IDENTIFIED AND THE ASSOCIATED VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE. SHADED VALUES IN TABLES EXCEED SOIL CLEANUP OBJECTIVES.

	SCALE	IN FEET	
0	20	40	60

825BAILEY-TP-05

						7	2021 Analy	ytical Result	s for 825 E	Bailey Ave							
Start	End						R	esults in mi	lligrams po	er kilogram	(mg/kg)						
Depth	Depth	825BAIL	EY-011	825BAII	LEY-021	825BAI	LEY-031	825BAI	LEY-041	825BAILI	EY-TP-05	825BAILI	Y-TP-06	825BAILE	Y-TP-07	825BAILI	EY-TP-08
(inches)	(inches)	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead	Arsenic	Lead
0	3	9.1	832	10.7	1270	16.0	1170	13.1	703	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3	6	10.5	663	12.9	1490	17.7	1520	17.0	872	13.0	597	10.9	774	13.5	618	N/A	N/A
6	9	13.0	322	12.4	6260	15.4	872	18.0	713	6.1	181	12.0	1310	14.3	199	19.4	1250
9	12	19.0	568	15.8	1550	18.9	705	19.9	967	6.7	52.4	10.7	566	10.3	105	19.5	1240
12	18	21.0	546	16.1	877	14.0	1090	23.0	953	5.7	43.9	12.0	1720	9.4	94.4	13.3	435
18	24	19.9	447	14.2	1010	13.2	567	16.5	360	8.4	19.8	5.0	45.1	5.4	56.6	11.0	115
24	30	6.8	16.9	4.9	51.8	6.4	32.5	8.0	60	7.1	15.9	2.9	22.2	13.6	28.9	5.9	67.5
30	36	9.2	20.4	4.5	108	8.6	19.5	7.9	115	8.6	19.6	8.2	20.4	16.6 J	34.9	2.7	17.9

1 DEEPER DATA GAP SAMPLES (24 - 36 INCHES) WERE COLLECTED AND THE RESULTS WERE ADDED TO THE ASSOCIATED LOCATION (DENOTED AS "-02"). HOWEVER, THE LOCATIONS OF THE DATA GAP SAMPLES WERE SLIGHTLY OFFSET FROM THE ORIGINAL BUT RESULTS SHOW NO LEVELS ABOVE SCO AND THEREFORE NOT A FACTOR IN DESIGN CHANGES.

UTILITY OVERHEAD WIRES

UTILITY STORM SEWER

PROPERTY LINE

UTILITY UNDERGROUND ELECTRIC UTILITY UNDERGROUND GAS MAIN UTILITY COMBINED SANITARY SEWER

UTILITY UNDERGROUND WATER MAIN

NEW YORK Department of Environmental Conservation



# B Soil Boring Logs

M ec	ology an	ocaists	onment	engine	ering, p.c.	•	BORING No.	: <b>B</b> OI	Page ·\_ of
<u> ۲</u>							Property ID	: 817 Biley	_
DATE		6/26	10				SITE NAME / LOCATION	837 Bailey Offsi	te, Buffalo NY
E&E	GEOLOGIST	1.0	illon				E & E PROJECT ID	1705007.0008.0	01
SUBCC	ONTRACTOR						ELEVATION	Charles and the control of the contr	_ Datum
DRILLE	≅R	<u>L. S</u>	itone				LOCATION COORDINATES		1 /
		W	ATER LEVE	L DATA			TYPE OF DRILL RIG	Scoprobe M	intager.
	DATE	TIME	WATE	RLEVEL	REF. PT.		NUMBER OF CORES COLLECTED	)	
							SOIL SAMPLING METHOD	Macro Core	rand auger
							FINISHED TOTAL DEPTH	117	V
D 4h	Core/SS	D	<del></del>	LE INFORM		d Sample ID	5011 15	AESCRIPTION / COMM	ENTE
Depth ft. BGS)	No.	Blow Count	Recovery (ft)	(ppm)		a Sampie ID Inalysis		ESCRIPTION / COMM	EN15
		N/A	1	N/A	817 Baile	<del> </del>	0 (2)	n 5:1+y	loam topso?
						-Z03-06	44.63 (1.41.4	e grave!	
						-Z06-09	<u> </u>		
1			1.		<del></del>	/-Z09-12	<b>V</b>		
					"	-Z12-18			
						-Z18-24			
2									
						-Z24-30			
						700.00			
,						-Z30-36			
3						-Z36-42			
						-230-42			
						-Z42-48			
4		₩		*				to construct the second of the	
5									-
								www	
6							,		
,							MATERIAL CHARGE CONTROL OF THE THE CONTROL OF THE C		
		3							
7								•	
	<u> </u>								
8 Omme	ents	r .		(					
Jinne		Sang)	Y.	4 me	131	0			
		•					•		•
			1						
ethod of	Completion	n / Backfill:	58,1				M-2-F0-2004-00-200-00-200-00-200-00-00-00-00-00-00-	$ \triangle$ $\Delta$	
					A STATE OF THE STA		Signature:	AIM	The control of the co

eco	ology an	d envir	onment	engine	ering, p.c.		84	BORING No	.: <u>02</u>		Page	of <u></u>
<u> ۲</u>								Property II		biley		
	GEOLOGIST ONTRACTOR		).llv.			and the second control of the description and the second control of the second control o	SITE NAME / LC E & E PROJECT ELEVATION		837 Baile 1705007	ey Offsite, Bu .0008.01		
DRILLE	R	<u>(, St</u>	D~4	Anna Carlos Carl			LOCATION CO	ORDINATES	<i></i>	N /		E STATE OF THE
		· w	ATER LEVE	L DATA			TYPE OF DRILL	RIG	Geoprob	9	- <del></del>	
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CO	ORES COLLECTE		1 1		
							SOIL SAMPLING		Macro Co 2 FF	the hand	augh	
Depth (ft. BGS)	Core/SS No.	Blow Count	SAMP Recovery (ft)	LE INFORM PID/FID (ppm)	Lab/Field	d Sample ID nalysis		SOIL !	DESCRIPTION	/ COMMENTS		
		N/A	2	N/A	817 Bailey.	. <b>∂</b> 2 -Z00-03	0-18	Lack Siz	bwa si	It with	little of	rau
					1	-Z03-06		and cla	2. 4		· · · · · · ·	
						-Z06-09	18-54.	plann	to to	1:37+ 4	an to	M
1						-Z09-12	S	+"W TI "	17 60V	of Clay		
						-Z12-18	7				-	
2 ******************************					V	-Z18-24	<i>[</i>					
						-Z24-30						
						-Z30-36						
3					-	-Z36-42						
		•				-Z42-48						
4						CONTRACTOR AND CONTRACTOR CONTRAC						
5		······										
6								Days allinos aller ser se discoloque con ve programming from the		engankisis aktorission (urquangu gasiga ga Adam)		
7												
8								······································				
omme	nts		· · · · · · · · · · · · · · · · · · ·			e conserva de como esta de la c						
								ķ				
ethod of	Completion	/ Backfill:										
								Signature				

DATE		4/15/202	1				SITE NAME / LOCATION	1D: 825 Bailey 837 Bailey Ave IRM-Offsite
E&EG	EOLOGIST			73			E & E PROJECT ID	1703074.0041.04
	NTRACTOR						ELEVATION	Deturn
DRILLE		NA					LOCATION COORDINATES	N /
		W	TER LEVEL D	ATA			TYPE OF DRILL RIG	NA
	DATE	TIME	WATER		REF. PT.		NUMBER OF CORES COLLEC	
			100				SOIL SAMPLING METHOD	hand auger
							FINISHED TOTAL DEPTH	2 ft
				INFORMAT				
BGS)	Core/SS No.	Blow	Recovery (ft)	PID/FID (ppm)	Lab/Field Se & Analy	imple ID vsis	50	ML DESCRIPTION / COMMENTS
		N/A	2ft	N/A	825 Bailey	-Q1-Z00-03	O-6" et bion-	Sant I silt and
						-Z03-06	10.1	gravel '
						-Z06-09	6-12" brown	' silt with few
_						-Z09-12	1199	and gravel
					140	-Z12-18		Signer in I few ten class
_					-		m.tr	trace gravel
					V	-Z18-24		
						-Z24-30		
_								
2					The same	-Z30-36		
						-Z36-42		
_						200 42		
		+		+		-Z42-48		
=								
						1		
			-		Depley C.			
		Samle.				-		
-			-					
1			-					
-								
1					CONTRACTOR OF THE PARTY OF THE			
1			-					
nme	nts							
	(	0/18/	6	14	45			
			6	170	1 2 4 2			

7	logy and	environ	nent engi	neerin	g. p.c.			to.: 02 Page 5 of _
DATE		4/15/2021					SITE NAME / LOCATION	837 Bailey Ave IRM-Offsite
E&EG	EOLOGIST	r. Dillon					E & E PROJECT ID	1703074.0041.04
SUBCO	NTRACTOR	NA					ELEVATION	Deturn
DRILLER	R	NA					LOCATION COORDINATES	N /
		WAT	ER LEVEL DA	ATA			TYPE OF DRILL RIG	NA
	DATE	TIME	WATER	LEVEL	REF. PT.		NUMBER OF CORES COLLEC	TED NA
							SOIL SAMPLING METHOD	hand auger
						100	FINISHED TOTAL DEPTH	2 ft
			SAMPLE	NFORMAT	TION			
Depth t. BGS)	Core/SS No.	Blow	Recovery (ft)	PID/FID (ppm)		d Sample ID nalysis	SOI	IL DESCRIPTION / COMMENTS
		N/A	2ft	N/A	1	-Z00-03	N-12" Jack	brown to brown
						-Z03-06	Sant	with little sit few
						-Z06-09		
						-Z09-12	12-24" hom	to few ton sit
						710.40	J. J.	little clay, trace
						-Z12-18	Nave	1), more day and
					,	-Z18-24	1	with donth
2						1 -210-24		
						-Z24-30		
						224-00		
						-Z30-36		
3								
1						-Z36-42		
-								
				$\downarrow$		-Z42-48		
4				·				
-				-				
-	-							
6	-							
-	-			- /	1000			
-	-	-		1000				
-								
6								
+	-							
-	1446						MESSELVE SUIT	
-	100000							The second of the second of the second of
							THE RESERVE AND ADDRESS OF THE PARTY OF THE	

Comments Collecte & (a) 1510

Signature: 1) \(\lambda\)

DATE		4/15/2021					SITE NAME / LOCATION	837 Bailey Ave IRM-Offsite
E&EG	EOLOGIST						E & E PROJECT ID	1703074.0041.04
	NTRACTOR		Page.				ELEVATION	Datum
DRILLE		NA					LOCATION COORDINATES	N /
			TER LEVEL D	ATA			TYPE OF DRILL RIG	NA
9	DATE	TIME			REF. PT.		NUMBER OF CORES COLLECT	
	DATE	TIME	WATER	LEVEL	REF. PT.			
							SOIL SAMPLING METHOD	hand auger
							FINISHED TOTAL DEPTH	211
Depth	Core/SS	Blow	Recovery	PID/FID	Lab/Field San		SOIL	L DESCRIPTION / COMMENTS
BGS)	No.	Count	(n)	(ppm)	& Analys	sia	S 41 1 1 1	
		N/A	2ft	N/A	825 Bailey - 6		0 1 000	roun t bown sandy
-						-Z03-06	C 2.23 T	mit grave)
16	-						9-24" Scom	to tan silt with
1-						-Z09-12	har 5A	day time grave
133						-Z12-18		
_								
						-Z18-24		
2-					U			
- 11					70.00	-Z24-30		
-				-				
*						-Z30-36		
3								
					100	-Z36-42		
-						Andrew Co.		
		-		-		-Z42-48		
4						1		
-						-		
1								
5-								
					To your and	-	- Francisco	
-			-					
		1000				7 10 10 10		
6								
-							Barrier Vision Control	
113						-		
7-						D. T. State of		
	No.							
-								
	-			4-1-1		- V		
8				THE REAL PROPERTY.				
mme	nts [	Marte	1 (0	1	1530			
	-	LIKE.	1		(),-			

	EOLOGIST 4		Porr	7-8-	21		### SITE NAME / LOCATION ### 837 Bailey Ave IRM-Offsite  ### ### BAILEY Ave IRM-Offsite  ### 1703074.0041.04  ### ELEVATION Datum		
DRILLER		NA					LOCATION COORDINATES N /		
	DATE TIME WATER LEVEL REF. PT.						TYPE OF DRILL RIG NA  NUMBER OF CORES COLLECTED NA  SOIL SAMPLING METHOD hand auger		
							FINISHED TOTAL DEPTH 2 ft		
Depth It. BGS)	Core/SS No.	Blow	Recovery (ft)	PID/FID (ppm)	Lab/Field Sam & Analysis	ple ID	SOIL DESCRIPTION / COMMENTS		
		N/A	2ft	N/A	16 Perv-01	-Z00-03	O-18" Med. brown silty	sand	
						-Z03-06	worganits (100ts), trace	arau	
						-Z06-09	little-some consolidation	0	
1						-Z09-12			
						-Z12-18			
-						-Z18-24	18-24" Lt medi brown 5714 Clay loan w/organics	ry	
						-Z24-30	Collisions skees		
,						-Z30-36			
3-						-Z36-42			
						-Z42-48			
4									
-									
6-									
-						alui.	,		
6_									
1									
-						GAR.			
7									
-									
								-	

DATE	PER S	4/15/2021	7-	8-2	21		SITE NAME / LOCATION	10: 16 Resu 837 Bailey Ave IRM-Offsite
EREG	EOLOGIST -	4/15/2021 F-0illon	c.	Por	eca		E & E PROJECT ID	1703074.0041.04
	NTRACTOR						ELEVATION	Datum
DRILLE	R	NA					LOCATION COORDINATES	N /
	/	WAT	TER LEVEL D	ATA			TYPE OF DRILL RIG	NA
	DATE	TIME	WATER		REF. PT.		NUMBER OF CORES COLLECT	TED NA
				\	6		SOIL SAMPLING METHOD	hand auger
					19		FINISHED TOTAL DEPTH	211
			SAMPLE	INFORMA				
Depth L BGS)	Core/SS No.	Blow	Recovery (ft)	PID/FID (ppm)	Lab/Field Sample & Analysis	ID	SOI	L DESCRIPTION / COMMENTS
		N/A	2ft	N/A	16 Perv-02	-Z00-03	0-18" Med.	brown silty sand
						-Z03-06		(roots, sticks), some
						-Z06-09	consolidatio	
1						-Z09-12		
						-Z12-18		
			-				1000	
			-			-Z18-24	18-24" ItW	ed brown silty
2-					V		clay 10	an wlorganies from
						-Z24-30	sticks),	better consolidation
_		-						
1		-				-Z30-36		
3-								
						-Z36-42		
		+		+		-Z42-48		
4-								
		E ST						
				0 71/2				
6								
	1000							
-				1900				
18				Salar de		1711		
7-	-							
3		able to pr			-			
-			- Control		-			
						1233		
8		No. of Lot	THE STREET	-		NAME OF TAXABLE PARTY.		

thod of Completion / Backfill:

DATE		4/15/2021					SITE NAME / LOCATION	837 Bailey Ave IRM-Offsite
E&EG	EOLOGIST	(2)	C. Po	rrec	a	4.	E & E PROJECT ID	1703074.0041.04
SUBCO	NTRACTOR	NA					ELEVATION	Deturn
DRILLE	R	NA					LOCATION COORDINATES	N /
		WAT	ER LEVEL (	DATA			TYPE OF DRILL RIG	NA
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CORES COLLEC	TED NA
				_	6	5	SOIL SAMPLING METHOD	hand auger
					6		FINISHED TOTAL DEPTH	P x 1 3
Depth	Core/SS	Blow	SAMPLE	INFORMA PID/FID	The state of the s	ld Sample ID	en	L DESCRIPTION / COMMENTS
fl. BGS)	No.	Count	(ft)	(ppm)		Analysis		
		N/A	2ft	N/A	16 Per	1-03-Z00-03		brown silty sand w/
_						-Z03-06	014-01167 6	mots), some consolidation
					-	-Z06-09	Trace 7.50	uels
1-						-Z09-12		11 1 - 114.
						-Z12-18	SHARE SHOWING THE RESIDENCE OF THE PERSON NAMED IN	-1t. brown silty
-				-			clay loan	
						-Z18-24	track bril	u pieces, some consolidat
2-							74-317 + - max	, brown silty sand
					B. L.	-Z24-30	Well consol	
-						700.00	Con Con Z	
					1	-Z30-36		
						-Z36-42		
				-		-Z42-48		
4-		-						
3.7	-	-		-		_		
-								
		-				-	-	
6-						3		
				1				
							,	
						Market Line		
-	The same					Bet 1		
7_		Dige 1						
-								
-					-			THE RESERVE OF THE PARTY OF THE
-								
8	40			College of the last				
ommer								

DATE		4/15/202	7-	8-21	-			SITE NAME / LOCATION	o.: 04 Page 1  B: 14 Per 0  837 Bailey Ave IRM-Offsite	
ESEG		Toma CF		Porre				E & E PROJECT ID	1703074.0041.04	
	INTRACTOR							ELEVATION	Deturn	
DRILLE	R	NA						LOCATION COORDINATES	N /	
	/	WA	TER LEVEL D	ATA				TYPE OF DRILL RIG	NA	
	DATE	TIME	WATER	LEVEL	REF. PT.			NUMBER OF CORES COLLECT	TED NA	
		0						SOIL SAMPLING METHOD	hand auger	
					1	JP_	)	FINISHED TOTAL DEPTH	P/n 3	
Depth	Core/SS			INFORMAT					DESCRIPTION COMMENTS	
BGS)	No.	Blow Count	Recovery (ft)	PID/FID (ppm)		Field Sample & Analysis			DESCRIPTION / COMMENTS	_
		N/A	2ft	N/A	16 Per	U-04	-Z00-03		. brown silty sa	
							-Z03-06		material (roots, stiz	(cs)
							-Z06-09		rolidation	_
1-					-		-Z09-12		11 11	
				-			-Z12-18		It. brown silty say	
-							-	loam won	ganix material (roo	12)
							-Z18-24		- It. brown clay 10	2.0
2								W	, , , ,	om
							-Z24-30	consolidati		
							-Z30-36	30-21-" 14	-med brown loan	200
3-						V	-230-30	clay		-
							-Z36-42	0		
_										
			-				-Z42-48			
4-										_
					-					
-						-				-
										-
5-		200				3				
				- 1		PART				
								,		
8				Janes .						
7_	E TOWN									
1							1			
-	-						of The			
				-		-				
8	-	-				CARRE				
mme	nts									

E TIME	C. (				SITE NAME / LOCATION  E & E PROJECT ID  ELEVATION  LOCATION COORDINATES	837 Bailey Ave IRM-Offsite  1703074.0041.04  Datum  N / E
TOR NA NA WA	TER LEVEL D	ATA			ELEVATION	Datum
NA WA						
E TIME					LOCATION COORDINATES	N /
E TIME					TATE OF DRILL DIG	MA
		Andrew Control	REF. PT.		TYPE OF DRILL RIG NUMBER OF CORES COLLECTI	NA FD NA
			6		SOIL SAMPLING METHOD	hand auger
			(CP)			P) xn 3
12.0	-	INFORMA'				
SS Blow Count	Recovery (ft)	PID/FID (ppm)		Sample ID nalysis	SOIL	DESCRIPTION / COMMENTS
N/A	2ft	N/A		-05-Z00-03	0-24" med	brown silty sand
			1	-Z03-06		material (100 ts stir
				-Z06-09	some conso	litation
				-Z09-12		All and the second
	-			-Z12-18		
				*		
				-Z18-24	-	
					71139401-11	La (11)
				-Z24-30		
					1	ganits (roots), some
			1	-Z30-36		- ned brown loany
				700 40		lorganics (roots),
				-236-42	1	enselidated
				-742-48		
*		*		24240		
	-					
				-		
					,	
III CONTA				1010		
					A sure and a sure and a sure a	
	900	THE REAL PROPERTY.			Environ de la constitución de la	
						rada a di Para da
					-Z12-18 -Z18-24 -Z24-30 -Z30-36 -Z36-42	-Z12-18  -Z18-24  -Z18-24  -Z24-30  -Z4-30  -Z30-36  -Z30-36  -Z30-36  -Z30-36  -Z30-36  -Z30-36  -Z30-36  -Z42-48

n ecc	ology an	d envi	iroi	ımen	t en	gine	ering, p	.c.			BORI	NG No.:	IK Pa	ru -0	ĺ	Pag	e Lof_
y				-							Prop	erty ID:	13 Par	v -ol			e of _
DATE		6/86	7	20	20					SITE NAME						uffalo N	
E&EG	EOLOGIST		- 6	Mice	-					E & E PROJE	ECT ID			07.000			
SUBCC	NTRACTOR	LaBell:	a							ELEVATION					Dat	um	
DRILLE			po Ze-	Shar	10				LOCATION COORDINATES N /								
			Λ/ΔΤ	ER LEV		ΤΔ				TYPE OF DR	UL RIG		Geopr	obe			
	DATE	TIME		WATE			REF. P	_		NUMBER OF		LLECTED		ODC	i		
	DATE	TIIVIL	$\vdash$	VVAIL	-N LL	VLL	INZI . F	-		SOIL SAMPL			Macro		-		
			$\dagger$										Macro	3,8	7		
	X5-20-017-02-02-00-00-00-00-00-00-00-00-00-00-00-	Accessory and the second		244			***			FINISHED TO	JIAL DEFIE		en e	n in a contract of			
Depth	Core/SS	Blow	F	Recovery		D/FID	MATION Lat	o/Field Sam	npie ID	1		SOIL DI	ESCRIPT	ION / COI	MMENTS	6	
(ft. BGS)	No.	Count	http://www.edu	(ft)	and the second second	opm)	100	& Analysi		4 . 8 2	1	Months and the	71			4 2 4	1
		N/A	18	, g	-	N/A	11,141	1-01	-Z00-03	15	brow	12	H/_	100	m,	hly	Lozoni
			1		-	-		ļ	-Z03-06	War	1154	bioin	51	Hy	_Cla	/	
			$\downarrow$		-				-Z06-09	<del> </del>							
1			$\perp$	<b></b>	<u> </u>	<u> </u>	-		-Z09-12								
·			-		-	-			-Z12-18								
			+	-	-	-								,	,		
			+		<u> </u>		1		-Z18-24								
2									-Z24-30			THE STREET STREET				CONCRETE DATE	
			_						-224-30								
·			+		-	-			-Z30-36								
3			+	-		<del>                                     </del>							<del></del>	· · · · · · · · · · · · · · · · · · ·	•		
									-Z36-42								
			_	$\bigvee$	<u> </u>	•			-Z42-48								
4	terriski arije udvašti racera poli m	**************************************		**************************************	-	*			deservices and a second se		en european de Mariero autoro en european en european en european en european en european en european en europ	onelinaus augusandamuvit		ndiživimo irresetini osetal	Orientamento de describações	n 2016-million konstrukturus on seneral	addrom on god Brothinkovickin (Mr. and Malika)
-			+		-												
			T														
5																	
			_											<del> </del>			
-			+		-											• • • • • • • • • • • • • • • • • • • •	
6			+														
HERMELENTON		and the second second	1.	<b>a</b> cione vicamente de											enavietos enav	***************************************	
-			_		-												
7			+		-												
			╁		-								<del></del>				
			$\dagger$										· · ·				
8				Allegan Co. (1) Tax. (1)													
Comme	nts																v
										•							
																	Ŋ
Method of	Completion	n / Backfi	11:		Me Konsidan								1	1	1	14.	//

E & E GEOLOGIST  SUBCONTRACTOR LaBella  DRILLER  WATER LEVEL DATA  DATE  TIME  WATER LEVEL  REF. PT.  NUMB  SOIL S	Property ID: Race - 0 & AME / LOCATION 837 Bailey Offsite, Buffalo NY ROJECT ID 1705007.0008.01  TION Datum  FOR CORES COLLECTED  R OF CORES COLLECTED  AMPLING METHOD Macro-Core  ED TOTAL DEPTH  SOIL DESCRIPTION / COMMENTS  AMPLING TO COMMENTS  AMPLING TO COMMENTS  SOIL DESCRIPTION / COMMENTS  AMPLING TO COMMENTS  AMPLING
E&E GEOLOGIST SUBCONTRACTOR LABella DRILLER  WATER LEVEL DATA DATE TIME WATER LEVEL REF. PT.  SAMPLE INFORMATION Core/SS No.  Core/SS No.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	ROJECT ID  1705007.0008.01  FION  Datum  JON COORDINATES  N  Geoprobe  R OF CORES COLLECTED  AMPLING METHOD  Macro-Core  ED TOTAL DEPTH  SOIL DESCRIPTION / COMMENTS  While brown to profit hith organically light brown to profit hither the profit hither
No.   Sample Information   Sample ID   S	SOIL DESCRIPTION / COMMENTS  SOIL DESCRIPTION / SOI
Depth Core/SS Blow No. Count (ft) (ppm) Lab/Field Sample ID (ft) (ppm) Recovery PID/FID Lab/Field Sample ID (ppm) -Z00-03 -Z03-06 (ppm) -Z09-12 -Z12-18 (ppm) -Z12-18 (ppm) -Z130-36 (ppm)	SOIL DESCRIPTION/COMMENTS  WHITE SOIL DESCRIPTION/COMMENTS  WHITE SOIL DESCRIPTION SOIL WITH ORGANICALLY LIGHT SILLY
Depth (ft. BGS) No. Count (ft) (ppm) Lab/Field Sample ID & Analysis  N/A 3 / 8 N/A   18	" lat brown top soil with organi
-Z03-06	4" light brown gifty llay
-Z06-09 -Z09-12 -Z12-18   V O C C C C C C C C C C C C C C C C C C	4" light brown gifty llay
-Z12-18 <b>V</b>	c: Glass obsored @-8-9" - 17"
-Z18-24 -Z24-30 -Z30-36 -Z36-42 -Z42-48	c! (21845 Obsoved 60 - 8 - 4" - 17"
-Z24-30 -Z30-36 -Z36-42 -Z42-48	
-Z30-36 -Z36-42 -Z42-48	
-Z36-42 -Z42-48	
-Z36-42 -Z42-48	
4	
5	
	,
6	
7	
8	

DATE		i i	T T .					
	BEOLOGIST	1,	25/20 Jacobs	5		-	SITE NAME / LOCATION  E & E PROJECT ID	837 Bailey Offsite, Buffalo NY 1705007.0008.01
SUBCO	NTRACTOR	LaBella				-	ELEVATION	Datum
DRILLE	R	C. S	itone			_	LOCATION COORDINATES	N /
		(New York of the Company)	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME		RLEVEL	REF. PT.		NUMBER OF CORES COLLECT	
				***************************************			SOIL SAMPLING METHOD	Macro-Çore
							FINISHED TOTAL DEPTH	3.8/3.8'
			SAMPI	LE INFORM	ATION			
epth BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Fiel	d Sample ID malysis	SOIL	DESCRIPTION / COMMENTS
		N/A	1 22	N/A	18 PERU-		0-5" Medium	brown Sandy SiH
						-Z03-06	1	The some organics,
						-Z06-09		Drown Sandy Silt with
						-Z09-12	10 11000	raterial Such as grave!
							Ned for he	
						-Z12-18		llowish bown sitt with
						740.04	torio land	
2					1	-Z18-24		
-						-Z24-30		
3						-Z30-36		
						-Z36- <b>4</b> 2		
		•				-Z42-48		
١								
		·						
-	•					, , , , , , , , , , , , , , , , , , ,		
								-
}								
,								
-						**************************************		THE BASE FOR THE CONTROL OF THE CONT
f								
.						· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
ļ								
					<del>- , , , , , , , , , , , , , , , , , , ,</del>	<del>, , , , , , , , , , , , , , , , , , , </del>		
,								
mme	nts (ø	lected	On (	10/24/2	20		nterenden in der	
							•	•
							•	

<u> </u>							Property II	D:
DATE		<u>6/2</u>	<u> 25/20</u>	•			SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY
E&EG	GEOLOGIST	<u>A.</u>	Jaco	<u>bs</u>			E & E PROJECT ID	1705007.0008.01
SUBCC	NTRACTOR		<i>d</i> .		-		ELEVATION	Datum
DRILLE	R	<u> </u>	Stone				LOCATION COORDINATES	N /
		W.	ATER LEVE	_D <b>A</b> TA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CORES COLLECTE	ED_/
							SOIL SAMPLING METHOD	Macro-Core
			L	·····			FINISHED TOTAL DEPTH	3.4/3.8'
		all vicini paga and filiplika ayaba	SAMPI	E INFORM	IATION			
Depth . BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		d Sample ID nalysis	SOIL	DESCRIPTION / COMMENTS
		N/A	1	N/A	A SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRES	04 -Z00-03	0-5" Medium bro	own Sundy silt topsoil
				_	101210	-Z03-06		
						-Z06-09		
						-Z09-12		wn sandy 5.11 with trace
1							Rive asset	30 00
						-Z12-18	11-24" Light yellow	ish brown Silt with some
							On adu	
						-Z18-24		y fill fine material alon
2		<u> </u>					core, transfor	
						-Z24-30	7	
						-Z30-36		
3						· · · · · · · · · · · · · · · · · · ·		
						-Z36-42		
		₩		*		-Z42-48		
4								
Ī								
_ [					***************************************			
5								
Ī								
6								
-						1500		
ŀ								
_								
7								
8					,			
es compression de la compression della compressi	nts Coll	. L.I	$\alpha \alpha I$	12412	O.			
_	LOIL	utco	ווט אוט	167/6	C			

Method of Completion / Backfill: 10050

		Marine November 1980	TOTAL STREET, MANAGEMENT				Property II	D:	
TE		6/2	25/202	20			SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY	
& E G	EOLOGIST		Jacob	_			E & E PROJECT ID	1705007.0008.01	
всо	NTRACTOR						ELEVATION	Datum	
ILLE	r (	2. Stz	ne				LOCATION COORDINATES	N /	
			ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe	
	DATE	TIME	WATER	R LEVEL	REF. PT.		NUMBER OF CORES COLLECTE	2	
							SOIL SAMPLING METHOD	Macro-Core	
							FINISHED TOTAL DEPTH	3.4/3.8'	
			SAMPI	LE INFORM	MATION				
ith 3S)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		eld Sample ID Analysis	SOIL	DESCRIPTION / COMMENTS	
30)		N/A	7327	N/A	måstat sa sammen ett ett ett ett ett ett ett ett ett e	J-00 -Z00-03	0-9" Medium 4	to Dark brown Sandy	
Ì					1	-Z03-06	The state of the s	With some organic	
						-Z06-09		lowish/reddish brown	
						-Z09-12	4	trace Sandy.	
								mace darry.	
						-Z12-18			
						740.04			
					1 V	-Z18-24			
de casominio						704.00	And the Committee of th		
						-Z24-30			
						-Z30-36			
						-230-30			
						-Z36-42			
						200 +2			
						-Z42-48			
		▼		*					
_									
-									
4				···					
-						****			
$\dashv$			· ·						
-									
$\dashv$						Water to the Control of Control o			
-						- t- 11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
+									
+								, , , , , , , , , , , , , , , , , , ,	
$\dashv$									
-		•							
$\dashv$									
+									
mer	nts 🛆 🗓			1211					
!	nts Coll	ietca (	in by	144/2	2020				
						•			
								•	

DATE		6/8	6/20	10			SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY
E&EG	EOLOGIST		J. M.	ild		-	E & E PROJECT ID	1705007.0008.01
SUBCO	NTRACTOR	LaBella	<del> </del>			-	ELEVATION	Datum
DRILLE	R	(	- Sto	ne		-	LOCATION COORDINATES	N ! E
		W.	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CORES COLLECTE	ED
							SOIL SAMPLING METHOD	Macro-Core
							FINISHED TOTAL DEPTH	3,8
Depth	Core/SS	Blow	SAMP Recovery	LE INFORM		d Sample ID	SOUL	DESCRIPTION / COMMENTS
(ft. BGS)	No.	Count	(ft)	(ppm)		nalysis		DESCRIPTION / COMMENTS
		N/A	3.8	N/A	20 Peru	<del></del>	10000	op Soil with organics
					l l	-Z03-06	6-24" light bro	our Silty day broomes
						-Z06-09	1,59t brown	n Clay ( 200
1						-Z09-12		( )
						-Z12-18		
						-Z18-24		
2					<u>V</u>			
						-Z24-30		·
							,	
						-Z30-36		
3								
						-Z36-42		
-		•	$\bigvee$	*		-Z42-48		
4		*		**************************************	Mary de de la maria de la m	dikki eniri dalladi eko kovinsenma inamelik envirrez omi		
							*	
5								
ŀ								
-								
6								· · · · · · · · · · · · · · · · · · ·
-							renn enzamust ar verskenhandiskt fråk timilität säddenstet at men han mass en institutionismi	
-								
ŀ								
7								
-								
8								
Comme	nts		·					nande en visit film kongelig side (1801) man med distriction in Oppmen en de Stand (1801) med en visit in de side (1801) med en de Stand (1801) med en visit in de side (1801) med en visi
	•							•
								. 1
Method of	Completion	ı / Backfill:						
							Signature	· VIII

DRILER C STANL  WATER LEVEL DATA  THE WATER LEVEL REF PT  DATE TIME WATER LEVEL REF PT  SAMPLE INFORMATION  SAMPLE INFORMATION  Depth CoreSS IN Biow Recovery Plotfill Labrihaid Sample ID A Avolysis  NA VA 20PERU-02 200-03 () - 1" Madium hitsum Sandy fags: I will be sample ID A Avolysis  NA VA 20PERU-02 200-05 () - 1" Madium hitsum Sandy fags: I will be sample ID A Avolysis  -200-09 I - 2" Medium - Sandy fags: I will be sample ID A Avolysis  -200-09 I - 2" Medium - Sandy fags: I will be sample ID A Avolysis  -212-18 Trace Clab  -22-20 Medium - Sandy Sift with trace Clab  -230-36 Sold Company Sifty with trace Sifty with trace Clab  -230-36 Sold Company Sifty with trace Sifty and Sifty with trace Sift	DATE  6 (25) 70 20  8 STR NAME (LOCATION B37 Bailey Offsite, Buffalo NY  8 A PROJECT ID  1705007.0008.01  DRILLER  C SHALL  LOCATION CORRONATES  N /  NATER LEVEL DATA  DATE  TIME  WATER LEVEL DATA  DOUBLER  COUNTS  SAMPLE INFORMATION  BOD NAME OF CORRES COLLECTED  FINSHED TOTAL DEPTH  3.7 / 3.8¹  SOU DESCRIPTION (COMMENTS  Advalues)  NA  20PERU-02 - 700-06  CORRESS  COUNTS  TIME  TIME  TIME  DATE  TIME  NA  20PERU-02 - 700-06  CORRESS  TIME  TIME	CONTRACTOR OF THE SECRETARIOS	Srensasas	***************************************	AMERICAN PROPERTY.	***************************************			BURING NO	o.: <u>20 PERU-0</u> 2 Page of
E A SPROJECT ID 1705007 0088.01  SUBCONTRACTOR LABERIA  WATER LEVEL DATA  OATE TAME NATER LEVEL REF PT  OATE TAME NATER LEVEL REF PT  SOL SAMPLEN METONIATION  Depth Commiss Row PTOP Depth Recovery PTOP Dept	E A E PROJECTIO 170507 JOBEN 1 SUBCONTRACTOR LABERIA ELEVATION DOWN DOWN OPERATOR N / DATE TIME WATER LEVEL BATA TYPE OF GRAL RIG Geoprobe NUMBER OF CORES COLLECTED / SOLL SAMELINA METHOD MACTO-Corp FINISHED TOTAL DEPTH 3.7 / 3.8'  Depth No. 1 No								Property IC	D:
BUBLICR C. SHALL  MATERIEVEL DATA  DATE TIME WATERIEVEL REF.PI.  SAMPLE INCOMATION  PROME TO BILL RIG Geoprobe NUMBER OF CORES COLLECTED I SOIL SAMPLING METHOD MACTO-COTE SOIL SAMPLING METHOD MACTO-COTE FINSHED TOTAL DEPTH 3.7/3.8'  SAMPLE INCOMATION  ROSS BOW RECOVER PEDFOIR (B) FORM LABERFUL SAMPLE INCOMATION  ROSS IN NA NA ZOPER - 202 - 200 03	BUBLICR C. SHALL  MATER LEVEL DATA  DATE TIME WATER LEVEL REF. PI  SOIL SAMPLE INFORMATION BOST  NO COURT 10)  NA NA 20PER U-02 - 200-03  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		6/2	5/202	٥				SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY
DRILLER  WATER LEVEL DATA  DATE TIME WATER LEVEL REF. PT.  DATE TIME WATER LEVEL REF. PT.  SAMPLE INFORMATION  SAMPLE INFORMATION  SOIL DESCRIPTION COMMENTS	DRILLER  WATER LEVEL DATA  DATE TIME WATER LEVEL REF. PT.  DATE TIME WATER LEVEL REF. PT.  SAMPLE INFORMATION  SAMPLE INFORMATION  SAMPLE INFORMATION  SAMPLE INFORMATION  SOIL DESCRIPTION / COMMENTS  SOIL DESCRIPTION /	3EOLOGIST	<u> </u>	Jacobs	,		_		E & E PROJECT ID	1705007.0008.01
WATER LEVEL DATA  DATE  TIME  WATER LEVEL  REF. PI.  SOIL SAMPLE INFORMATION  SOIL SAMPLE INFORMATION  RECOVERY PROPRIO  SOIL SAMPLE INFORMATION  SOIL DESCRIPTION / COMMENTS  SOIL DESCRIPTIO	WATER LEVEL DATA  DATE TIME WATER LEVEL REF. PI  SOL SAMPLE INFORMATION  SOL SAMPLE INFORMATION  SOL SAMPLE INFORMATION  SOL SAMPLE INFORMATION  SOL Cours (1) (Sept) Lawrence Sample ID  A New Sol	NTRACTOR					_		ELEVATION	Datum
DATE TIME WATER LEVEL REF. PT.  SOL SAMPLINS METHOD  SOL SAMPLE INFORMATION  SOL DESCRIPTION / COMMENTS  203-06  Organics / mass  - 206-09   -2" Madium - Strady factor  - 209-12 - 1" Madium - Strady Solf win  Trice grave!  - 212-18  - 212-18  - 212-18  - 212-24  - 24-48  - 24-48  - 24-48  - 24-48	DATE TIME WATER LEVEL REF PT SOIL SAMELING METHOD MACRO-COTE FINSHED TOTAL DEPTH 3.7 3.8'  SAMPLE INFORMATION SOIL DEPTH 3.7 3.8'  SAMPLE INFORMATION RECOVERY POPTIO SAMPLES SAMPLES SOIL DEPTH 3.7 3.8'  NO. OVERSS Blow RECOVERY POPTIO SAMPLES SAMPLES SOIL DEPTH SAMPLES SOIL DESCRIPTION / COMMENTS  ROSS NO. OVERSS Blow RECOVERY POPTIO SAMPLES SAMPLES SOIL DESCRIPTION / COMMENTS  200-10	:R	<u>C. Si</u>	HILL					LOCATION COORDINATES	N /
SOIL SAMPLIS METHOD  SOIL SAMPLIS METHOD  FINISHED TOTAL DEPTH  SOIL DESCRIPTION / COMMENTS  SOIL DESCR	SOIL SAMPLING METHOD FINSHED TOTAL DEPTH  SOIL DESCRIPTION / COMMENTS  SOI		W	/ATER LEVE	L DATA				TYPE OF DRILL RIG	Geoprobe
SAMPLE INFORMATION  SAMPLE INFORMATION  RED COUNTS Blow Recovery POFTED LEAF-Beld Sample ID 8 Analysis Soul DESCRIPTION / COMMENTS  RESS No. N. N. N. N. N. N. N. N. ZOPERU-02 - 200-03 () - 1" Medium brown Sandy foose. I will be seen to see the second of	SAMPLE INFORMATION  REPTING COUNTS BION RECOVERY POFFED LABFRED SAMPLES PROPRIED I COMMENTS  RESS, No. Count (p) (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, No. Count (pm) (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESPONDED IN COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESPONDED IN COMMENTS  RESPONDED IN COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESPONDED IN COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESPONDED IN COMMENTS  RESS, NO. Count (pm) Labfred Sample ID SAMPLES PROPRIED I COMMENTS  RESPONDED IN COMMENTS  RESPONDED IN COMMENTS  RESPONDED IN CO	DATE	TIME	WATER	R LEVEL	REF. PT.			NUMBER OF CORES COLLECTE	ED /
SAMPLE INFORMATION  SOUTH POPULATION  SOUTH POPULATION  SOUTH POPULATION  SOUTH POPULATION  NA  NA  NA  NA  NA  POPULATION	SAMPLE INFORMATION  SOLD ESCRIPTION I COMMENTS  SOLD ESCRI								SOIL SAMPLING METHOD	
SOLD DESCRIPTION I COMMENTS  SOLD DESCRIPTION I COMMENTS  SOLD DESCRIPTION I COMMENTS  Analysis  NA  NA  ZOPERU-02 - Z00-03 () - j" Medium brown Sandy topse! wi  - 203-06	SOLD DESCRIPTION I COMMENTS  ROSS No Court (ft) (ppm) Laberald Sample (ppm) Sanalysis  NA ZOPERU-02 - Z00-03 ()- j* Medium brown Sandy Indian I								FINISHED TOTAL DEPTH	3.7/3.8'
SESS No. Court (ft) Comi a Analysis  NA 20PERU-02 - 200-03 () - i" Madium brown Sandy topse. I will revised gavel - 200-09 I - Z" Medium - small revised gavel - 200-12 2 - I7" Medium - small revised gavel - 212-18  - 212-18  - 212-18  - 218-24  - 218-24  - 218-24  - 218-24  - 218-24  - 224-30  - 236-42  - 236-42  - 242-48	Analysis  No. Court (19)  NA 20PERU-02 - Z00-03 ()-i" Medium brown Sandy topse. Let  - Z00-08   1-Z" Medium - synall fevraled gravel  - Z00-12   2-17" Medium - synall fevraled gravel  - Z12-18   17-19" Light yellowish brown Sandy Sitt  - Z18-24   17-19" Light yellowish brown Sandy Sitt  - Z18-24   19-24" Medium brown Suthy with travel (lay and trace fine gravel  - Z30-36   - Z30-42    - Z30-42   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    - Z42-48   - Z42-48    -		Section description of	SAMP		~~~~~				and the second s
No. No. 20PERU-02 - 200-03 ()-i" Medium brown sandy topscil wi 203-06 Organics/mess -206-09 1-2" Medium - sandy Powaded glaved -208-12 2-17" Medium brown sandy Sift win trace game.  17-19" Light yellowsh brown sandy sift trace clay 19-2" Medium brown sifty with trace Clay and trace fine grane.  No. 10: Some rust coloration noticed management of the coloration noticed management of the coloration of	NA DOPERUOZ - 200-03 ()-i" pledium brown sandy topse. I are 203-06 organics/mess -206-09 I-2" Medium - sandy Powrded glavel -209-12 2-17" Medium brown sandy Sift wis -212-18	1 1	1					)	SOIL	DESCRIPTION / COMMENTS
- 203-06 organics/moss - 206-06 1-2" Medium - Small revolved gravel - 209-12 2-17" Medium brown sandy Usit win - 212-18 trace gravel 17-19" Light yellowish brown sandy sitt - 218-24 - 218-24 - 218-24 - 218-24 - 218-24 - 218-24 - 224-30 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-36 - 230-3	-203-06 Organics/moss -206-09 1-2" Medium - Small revolved gravel -209-12 2-17" Medium brown sandy Usith win -212-18 trace gravel				THE RESERVE COMMETTERS OF			00-03	1)-1" Medium h	romin sandy topsoil with
-z06-09 1-Z" Medium - small revolved gavel -z09-12 2-17" Medium brown sandy Sitt win  -z12-18  -z12-18  -z12-18  -z18-24  -z18-24  -z18-24  -z18-24  -z24-30  -z30-36  -z30-36  -z30-36  -z30-36  -z30-36  -z30-36  -z30-42  -z42-48	-206-09 1-Z" Medium - small revided gavel -209-12 2-17" Medium brown Sandy Sitt wm  -212-18 trace gavel.  -218-24 Light yelowsh brown Sandy Sitt -218-24 Trace clay -24-30 Clay and trace fine gravel.  Note: Some rost coloration noticed m -230-36 3-6 and 6-9" and 9-12"  -236-42  -242-48	1						03-06		
-209-12 2-17" Medium brown Sandy Sift win  -212-18  -212-18  -212-18  -212-18  -212-19" Light yellowsh brown Sandy Sift  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24  -218-24	-209-12 2-17" Medium brown Sandy Sift win  -212-18  -212-18  -212-18  -212-19" Light yellowish brown Sandy Sift  -218-24  -218-24  -218-24  -218-24  -218-24  -224-30  -230-36  -230-36  -230-36  -230-36  -230-42  -230-42  -230-42  -230-42  -230-42  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36  -230-36	1					-Z	06-09	. 4 . / 6	1 / 0 /
-Z12-18  -Z12-18  -Z18-24  -Z18-24  -Z18-24  -Z18-24  -Z24-30  -Z24-30  -Z30-36  -Z30-36  -Z30-36  -Z30-36  -Z30-42  -Z42-48  -Z42-48	Z12-18  Z18-24  Z18-24  Z18-24  Z24-30  Note: Some rust coloration noticed m  Z30-36  Z36-42  Z42-48					2			1 - Partier o	
17-19" Laht yellowsh brown sandy sitt  z18-24    Yrace clay   19-24" Medium brown sitty with that	17-19" Light yellowish brown sandy sitt  19-24" Medium brown sitty with the  124-30 Clay and trace fine grave!  Note: Some rust coloration noticed in  230-36  242-48						7		Ways acres	Dioon Gunes
Z18-24    Tace chy	Z18-24  19-24" Medium brown 5 thy with travel line grand.  Note: Some rust coloration noticed in 3-6 and 64" and 9-12"  Z36-42  Z42-48					C00348444400	-4	12-10		Howish brown sandy silt u
-24-48  19-24" Medium brown 5, thy with that  224-30  Clay and trace fine gravel.  Note: Some rust coloration noticed in  -230-36  -236-42  -242-48	19-24" Medium brown 5. Hy with training the state of the grand of the					Taxabaya, and a same a	7	10.04	Kaca class	100-00-
-za-30 Clay and trace fine gravel.  Note: Some rust coloration noticed in  -za-30-36  -za-6 and 6-9" and 9-12"  -za-42  -za-48	-z24-30 Note: Some rust coloration noticed in -z30-36  -z30-36  -z30-42  -z42-48					V		18-24	10 0 11 1/	brown silty with trace
Note: Some rust coloration noticed in 3-6 and 69" and 9-12"  -z36-42  -z42-48	Note: Some just coloration noticed in 3-6 and 69" and 9-12"  -z36-42  -z42-48		'				-7	24.30	May and by	race fine gravel.
-230-36 3-6 and 6-9" and 9-12"  -236-42  -242-48	-230-36 3-6 and 6-9" and 9-12"  -236-42  -242-48						-L	24-30		+ coloration noticed in
-736-42	-736-42						-7	30-3E	3-6 22 12-9	
-7.736-42	-7.736-42						- <u></u>	30-50	·	
-Z42-48	-242-48						-7	26-42		
			'					30		
			'			1	-Z	12-48		
			₩ 1		*			14		
										Website the second seco
			<u> </u>			<u> </u>				
			<u>                                     </u>			·				
	nments (olacted (a/24/20		<u> </u>		<u> </u>	ļ				
						ļ				
	nments (olucted (a/24/20			1	<u> </u>	<del> </del>				
	nments (olucted (a/24/Zo			<b></b>	<b></b>					
	nments (alacted (a/24/Zo				<b></b>	<del> </del>				
				-		<del> </del>				
					<b></b>					
					<del></del>	<del>                                     </del>			*	
			,			·				A
				<del></del>						
				+		· [				
	mments (ollected $6/24/20$			لرحييا		Enderfolishing suppressioners				
mmei			DATE  Core/SS No.	EEOLOGIST  NTRACTOR LABella R  DATE  Core/SS No.  Count  N/A  I I I I I I I I I I I I I I I I I I I	REOLOGIST  NTRACTOR LABELIA R  WATER LEVE  DATE  TIME  WATER  SAMP  Core/SS  NO.  N/A  N/A  NA  NA  NA  NA  NA  NA  NA	REOLOGIST  A Jacobs  NTRACTOR LABELIA  R  WATER LEVEL DATA  DATE  TIME  SAMPLE INFORM  Core/SS  Blow Recovery PID/FID  (ppm)  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	SECLOGIST  LABEILA  R  WATER LEVEL DATA  DATE TIME WATER LEVEL REF. PT.  SAMPLE INFORMATION  Core/SS Blow (ft) (ppm) 8.4  No. Count (ft) (ppm) 8.4  No. N/A N/A ZOPERU  NO. N/A N/A N/A ZOPERU  N/A N/A ZOPERU  N/A N/A ZOPERU  N/A N/A N/A ZOPERU  N/A N/A ZO	SECLOGIST  NTRACTOR LABELIA  R  C STOTUL  WATER LEVEL DATA  DATE TIME WATER LEVEL REF. PT.  SAMPLE INFORMATION  Core/SS Blow Recovery (ft) (PD)/FID Lab/Field Sample ID & Analysis  NA 20PERU 02 - Z  Z Z  Z Z  Z Z  Z Z  Z Z  Z Z  Z Z		Froperty II  FOLICIOST    1

			,				Property ID	<b>):</b>			
ATE		6/	25/20	)			SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY			
& E 0	EOLOGIST	A	Jacob.	5			E & E PROJECT ID	1705007.0008.01			
JBCC	NTRACTOR	LaBella				-	ELEVATION	Datum			
RILLE	R	C.S	tone			<b>-</b>	LOCATION COORDINATES	N /			
			ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe			
	DATE	TIME		RLEVEL	REF. PT.		NUMBER OF CORES COLLECTE				
						•	SOIL SAMPLING METHOD	Macro-Core			
							FINISHED TOTAL DEPTH	3.8/3.8			
CONCARDO			SAMP	LE INFORM	MATION						
oth	Core/SS No.	Blow	Recovery	PID/FID	Lab/Fie	ld Sample ID					
GS)	INO.	Count N/A	(ft)	(ppm) N/A		Analysis 3 ~ ∂ S-Z00-03	B. H. W. dina ho	iwn Sandy silt with			
					ZUICK	-Z03-06	, ,	4 - C - 4 10 1 4 - 1 1			
					Lipidali	-Z06-09	Trace or years a				
						-Z09-12		1 / /			
					ugga madita		with track co	lay, compact.			
						-Z12-18					
					,	-Z18-24					
						-Z24-30					
						-Z30-36					
Ì						-Z36-42					
						740.40					
		*		*		-Z42-48					
						`					
-											
-											
-											
me	nts (N	ected	6/24/	Zo							
							•				

ecc Gova							Property I	ים:
DATE		6/2	5/202	0				
	EOLOGIST	1/2		obs		-	SITE NAME / LOCATION  E & E PROJECT ID	837 Bailey Offsite, Buffalo NY 1705007.0008.01
	NTRACTOR	LaPolla		<i>200</i>		-		
DRILLE			Stone				ELEVATION	Datum
DRILLE	K		and the second second second second				LOCATION COORDINATES	N /
			ATER LEVE				TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CORES COLLECT	
							SOIL SAMPLING METHOD	Macro-Core
		The state of the s					FINISHED TOTAL DEPTH	<u>3.8/3.8'</u>
epth BGS)	Core/SS No.	Blow	Recovery	PID/FID	Lab/Fiel	d Sample ID	SOIL	DESCRIPTION / COMMENTS
BGS)	NO.	Count N/A	(ft)	(ppm) N/A	ZOPERU-	nalysis - ヘリ -Z00-03	0-0" N. () /	Dock bon a final
					ZUTERU	-Z03-06	1 / 0000//	Dark brown sandy 511
-						-Z06-09	700011	1
ŀ						-Z09-12	and have	Line grove! U Dark Obrown sandy silt
1						200 12	1 rugion / F	. / . / .
ŀ					**************************************	-Z12-18		e clay and trace fine
							gravel 17-24" light	will tell have
}					1	-Z18-24	Sit with	trace Sand, compact.
2 —			<u> </u>				DIE WITE	trace Sand, compact.
						-Z24-30		
L						-Z30-36		
3		_						
						-Z36-42		
		_				,		
ŀ		-		-		-Z42-48		
4		***************************************		***************************************				
ŀ								
						· · · · · · · · · · · · · · · · · · ·		
ŀ								
·+		,						
ŀ								
-								
ŀ								
-								
-								
					<del></del>			
-								
-							William Control of the Control of th	
-								
$\dashv$					<u></u>		W	
F								
mmer	nts / i	1 1		7 7				
milel	" (oll	loted i	on 61	124/20	020			
			./	ţ				
	Completion		Tops	-1				

M	ecology	and	envire	nmen	t engii	ieering,	p.c.
8.							

BORING No. J4 Per -61

Page of \_\_\_\_

Property ID: HPW -01 837 Bailey Offsite, Buffalo NY DATE SITE NAME / LOCATION E & E GEOLOGIST 1705007.0008.01 E & E PROJECT ID SUBCONTRACTOR LaBella ELEVATION Datum DRILLER LOCATION COORDINATES WATER LEVEL DATA TYPE OF DRILL RIG Geoprobe DATE TIME WATER LEVEL REF. PT. NUMBER OF CORES COLLECTED SOIL SAMPLING METHOD Macro-Core FINISHED TOTAL DEPTH SAMPLE INFORMATION Recovery PID/FID Depth (ft. BGS) Core/SS Blow Lab/Field Sample ID SOIL DESCRIPTION / COMMENTS (ppm) No. & Analysis ov-ot -Z00-03 -Z03-06 -Z06-09 -Z09-12 -Z12-18 -Z18-24 -Z24-30 -Z30-36 -Z36-42 -Z42-48 Comments Method of Completion / Backfill:

BORING NO ALFOUND Page 1 of Property to Alfour Oth Page 1 of Property to Alfour Other Othe										
DATE EN SOLD STORY  E R E COLOCIOST  STENAME FLOCATION  E R E POLICET D  E	A eco	ology an	d envir	onment	engine	ering, p.c.		BORIN	NG No. 24 Pov - 07 Page 1 of	
DATE EN SOLD STORY  E R E COLOCIOST  STENAME FLOCATION  E R E POLICET D  E	U							Prop	erty ID: <u>34Pev - 07</u>	
SUBCONTRACTOR LABBILIS  UNATER LEVEL DATA  APE TIME WATER LEVEL DATA  DATE TIME WATER LEVEL DATA  SAMPLE INFORMATION  Digits Convess of No. Court of Digits	DATE		6/H	1200	FU					entrinies:
DRILLER  WATER LEVEL DATA  DATE THAS WATER LEVEL NEEP PT  SAMPLE BHORMATION Deeb CoreSS Blow Recovery PROFED the Ashayers IN BGS) NA S-B NA NA NA S-B NA NA NA S-B NA NA S-B NA NA NA S-B NA NA NA S-B NA NA NA NA S-B NA NA NA S-B NA NA NA NA NA S-B NA NA NA NA NA S-B NA	E&EC	SEOLOGIST	<u>J,</u>	, Mire	1			E & E PROJECT ID	1705007.0008.01	
DBILLER  WATER LEVEL DATA  DATE TIME WATER LEVEL REF PT  OURSEN COUNTY  NA SAMPLE INFORMATION  OURSEN  A SAMPLE INFORMATION  OURSEN  SOIL DESCRIPTION / COMMENTS  SOIL DESCRIPTION / COMMENTS  SOIL DESCRIPTION / COMMENTS  A SAMPLE INFORMATION  OURSEN  - 720-12  - 720-12  - 720-12  - 720-12  - 720-12  - 720-12  - 720-12  - 720-13  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30  - 720-30	SUBCC	NTRACTOR	LaBella					ELEVATION	Datum	
DATE TIME WATER LEVEL PREPT SOL SAMPLING METHOD SOL SAMPLING METHOD SOL SAMPLING METHOD SOL DESCRIPTION I COMMENTS  A Available Sample ID Community Signification No. N/A 3: 8 N/A WICOLO 2-200-03 -200-09 -200-09 -200-19 -21-24 -218-24 -242-48	DRILLE	R	(1	Stor	C			LOCATION COORDINATE		
SOII SAMPLING METHOD FINSHED TOTAL DEPTH  SOIL DEPTH  COVANS BLOW NE COUNT PERCENT FROM LABSTER DEPTH  NA METHOD SOIL DESCRIPTION / COMMENTS  A MANUAL PROCESS  NA METHOD SOIL DESCRIPTION / COMMENTS  A MANUAL PROCESS  RECOVERY FROM DEPTH AND METHOD SOIL DEPTH AND METHOD SOIL DESCRIPTION / COMMENTS  A MANUAL PROCESS  RECOVERY FROM PROCESS  RECO			W	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe	(CORPORATE OF THE PARTY OF THE
		DATE	TIME	WATER	R LEVEL	REF. PT.		NUMBER OF CORES COL	LECTED	
								SOIL SAMPLING METHOD	Macro-Core	
Depth   Courts   Recovery   Pip   Depth   Courts   Pip   Court   Pip   Courts   Pip   Courts   Pip   Courts   Pip   Pip   Courts   Pip   Pip   Courts   Pip   Pip   Courts   Pip								FINISHED TOTAL DEPTH	'T ()	
Depth   Courts   Recovery   Pip   Depth   Courts   Pip   Court   Pip   Courts   Pip   Courts   Pip   Courts   Pip   Pip   Courts   Pip   Pip   Courts   Pip   Pip   Courts   Pip				SAMP	LE INFORM	MATION				Acomic and a second
N/A 3, B N/A HERO-D - 200-03 O-4" dat brown top Soil Wift  -203-06 Organics  -208-12 High light brown sitty clary  -212-18  -218-24  -224-30  -230-36  -230-36  -230-36  -230-42  -242-48			1	Recovery	PID/FID	Lab/Fiel			SOIL DESCRIPTION / COMMENTS	
203-08 206-08 206-08 208-12 212-18 218-24 218-24 224-30 230-36 230-36 230-36 230-42 242-48 3 242-48	iri. bGo)	.,0.			in the second second	A STATE OF THE PARTY OF THE PAR	CONTRACTOR OF THE PROPERTY OF	0-4" Mark	brown for sail 1. 124	Personal Control
206-08 -209-12 H-34 List Spein Sithy (long) -212-18 -218-24 Norte 6 M - 10" tonce Mark -230-36 -230-36 -230-42 -242-48				1		FIGURE		000	, ,	
-Z12-18 -Z18-24 -Z18-2							-Z06-09	2,70	V ()	
2 - Z18-24 World & M - 10" trave black							-Z09-12	4-34/ 1,4	brown Sitter Clark	
2	1						-Z12-18	171 1150	the state of the s	
-Z24-30 -Z30-36 -Z36-42 -Z42-48						1/	-Z18-24	Nove & b	1-10" trace black	
3 -Z30-36 -Z36-42 -Z42-48 -Z42	2						-724-30		asy till	
-Z36-42 -Z42-48 -Z42-4										
4 - Z42-48 -	3						-Z30-36	, , , , , , , , , , , , , , , , , , ,		
							-Z36- <b>4</b> 2			
6	4		•	V	<b>+</b>		-Z42-48			
6	·									
6										
7	5				,					
7			· · · · · · · · · · · · · · · · · · ·							
8	6			·						- completions
8		,								
8					:			· · · · · · · · · · · · · · · · · · ·		
	7									
	-									
	}									
	NAMES OF THE PARTY	nte				4		. 711		angent spanning

9-10 trace black asky fill

<b>(</b> 0)	ecology	and	envir	onment	engineerin	g, p.c.
M		11111-10170-11	T tel Out?	***************************************		******************************

BORING No. 34/200-03 Page 1 of

Property ID: 24 Pou DATE 837 Bailey Offsite, Buffalo NY SITE NAME / LOCATION E & E GEOLOGIST 1705007.0008.01 E & E PROJECT ID SUBCONTRACTOR LaBella ELEVATION Datum DRILLER LOCATION COORDINATES WATER LEVEL DATA Geoprobe TYPE OF DRILL RIG WATER LEVEL DATE TIME REF. PT. NUMBER OF CORES COLLECTED Macro-Core SOIL SAMPLING METHOD FINISHED TOTAL DEPTH SAMPLE INFORMATION Depth Core/SS Recovery PID/FID Lab/Field Sample ID Blow SOIL DESCRIPTION / COMMENTS (ft. BGS) (ppm) Count N/A -Z00-03 -Z03-06 -Z06-09 -Z12-18 -Z18-24 -Z24-30 -Z30-36 -Z36-42 -Z42-48 Comments Method of Completion / Backfill: Signature:

ecology and environment engineering, p.c.			BORING No. 36 Page 1 of Page 1 of Property ID 6 Pot - 01		
71 N II N				9.120.000.000.000.000.000.000.000	
JOFU.	*****	SITE NAME / LOCATION  E & E PROJECT ID	837 Bailey Offsite, Buffalo NY 1705007.0008.01		
n fliger		E & E PROJECT ID	Datum		
Shore		LOCATION COORDINATES	N /	E	
TER LEVEL DATA		TYPE OF DRILL RIG	Geoprobe	***************************************	
WATER LEVEL REF. PT		TIPE OF DRILL RIG NUMBER OF CORES COLLEC	la l		
77,		SOIL SAMPLING METHOD	Macro-Core		
		FINISHED TOTAL DEPTH	3.4		
SAMPLE INFORMATION		,			
	/Field Sample ID & Analysis	SC	DIL DESCRIPTION / COMMENTS		
3.4 N/A 26 Pov		17-11" Drawn	situ lagin		
	-Z03-06	11-2411 /1647	brench Sitty play		
	-Z06-09				
	-Z09-12				
	-Z12-18				
	-Z18-24				
<u> </u>				Andrew or the second	
	-Z24-30				
		***			
	-Z30-36				
	-Z36-42				
	-Z42-48				
*	-276 70			**************************************	
		,			
			di 1900-km oʻrmali (isti dalqar valiqi) di 1904-km ombor sinasi oʻrganingi mambansi dalqida qarasi qarida dilabi ili dilabi (1907).	***************************************	
			A Million of Control of the Control of Contr		
		at SAMAN BANK AND			

Method of Completion / Backfill:

n ec	ology an	d envir	comment	engine	ering, p.c.		BORING I	No.: 26 Per - 67 Page 1 of
y							Property	No.: 16fer - 07 Page 1 of 1
DATE E&E(	GEOLOGIST	6/7	V 1 2	10 riceli			SITE NAME / LOCATION E & E PROJECT ID	837 Bailey Offsite, Buffalo NY 1705007.0008.01
SUBCO	ONTRACTOR	LaBella				•	ELEVATION	Datum
DRILLE	ĘR		( )	one			LOCATION COORDINATES	N / E
		W	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	R LEVEL	REF. PT.		NUMBER OF CORES COLLEC	TED
			ļ				SOIL SAMPLING METHOD	Macro-Core
							FINISHED TOTAL DEPTH	<u> </u>
Depth (ft. BGS)	Core/SS No.	Blow Count	SAMP Recovery (ft)	LE INFORM PID/FID (ppm)	Lab/Fiel	d Sample ID nalysis	so	IL DESCRIPTION / COMMENTS
		N/A	3,5	N/A	26 Pou-	<b>0 - Z</b> 00-03	0-5% tops	oil with organis
			1			-Z03-06		
			<b>↓</b>			-Z06-09	5-11 1601	un silt with som day
1						-Z09-12	11-18" dak	brown Sifty foar
						-Z12-18	12-24" 1154	your Silty Clay
						-Z18-24	-	
2					V	-Z24-30		
						-Z30-36		
3			and the second s					
			V			-Z36-42		
4		<b>V</b>		*	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-Z42-48		
5								
6						**************************************	AND THE WASCEN LOCAL COMMENT OF THE WASCEN C	
_								
7								
8								
Comme	ents							
Method of	Completion	/ Backfill:						11/1/1/1

DATE		6/26	10				SITE NAME / LOCATION	837 Bailey Offsite, Buffa	lo NY
	SEOLOGIST		· Mar				E & E PROJECT ID	1705007.0008.01	
	NTRACTOR	<u>EaBella</u>	20000				ELEVATION	Datum _	
DRILLE	R I	<u> </u>		70 Sport Sport (400 40 10 10 10 10 10 10 10 10 10 10 10 10 10			LOCATION COORDINATES	N /	
	1	W	ATER LEVE	L DATA	1		TYPE OF DRILL RIG	Geoprobe_	
	DATE	THATE	WATER	RLEVEL	REF. PT.		NUMBER OF CORES COLLECT		
							SOIL SAMPLING METHOD	Macro-Gore Hank	aug er
							FINISHED TOTAL DEPTH	<u>u</u>	
Depth	Core/SS No.	Blow Count	SAMP Recovery (ft)	LE INFORM PID/FID (ppm)	Lab/Field	d Sample ID nalysis	SOIL	DESCRIPTION / COMMENTS	
500)		N/A	Ĩ	N/A	26 Peru-		0-3 bions	it with fen g	avel and
					1	-Z03-06		The same of the same of	N. 2 61 AV. C
-						-Z06-09	3-6 510mm	silt with few	fill (coal)
_						-Z09-12	<del>                                     </del>	out and grove	
1						710 10	6-14 brown 5	i bo 1. (1.	on class
						-Z1Z-10	and Gray	A. Mass	easing
						, -Z18-24	w.+1 dos	(th)	7
2				ectatamental parentosam	N N				
						-Z24-30			
							474 10 10 10 10 10 10 10 10 10 10 10 10 10	W-V 4 - 10 - 11 - 11 - 11 - 11 - 11 - 11 -	
						-Z30-36			
3									·
						-Z36-42			
		<b>V</b>		<b>*</b>		-Z42-48			
4		-		MARKACHAN TANANCAN					peuromenament est instruction (not lact leading a menoral account
5									
-							:		
6			************************						
							. ,,		•
7						<del></del>			
}									
8									
omme	nts (	\ \	-	(	int	2			Halaman Strang of the Const Charles Const.
		Sampl	e t	in	105	٥ .			
						•	•		•

A eco	ology an	id envir	onment	engine	ering, p.c.			BORING No	:: <u>04</u>		Page /	of
<u> </u>				. •				Property ID	: 26per	(		
DATE		6/26/	65				SITE NAME / L	OCATION	837 Bailey C	)ffsite, Buff	alo NY	
E&EC	GEOLOGIST	1.0%	lan				E & E PROJEC	T ID	1705007.00	08.01		
SUBCC	NTRACTOR						ELEVATION		-	Datum		
DRILLE	R	1, 11;	No.				LOCATION CO	ORDINATES		N /		E
		w	ATER LEVE	L DATA	1		TYPE OF DRILL	L RIG	Ceoprobe			
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF C	ORES COLLECTE	D			
							SOIL SAMPLIN	G METHOD	Macro-Core	hand	augh	
							FINISHED TOT	AL DEPTH				Data hare Quivary lists to
Depth	Core/SS	Blow	SAMP Recovery	PID/FID		d Sample ID		SOIL I	DESCRIPTION / CO	OMMENTS		
(ft. BGS)	No.	Count	(ft)	(ppm)	& Ai	nalysis	<b>X</b>			<del>decen</del>		Experience of the later which
		N/A	L	N/A	16 Peru -0	-Z00-03 -Z03-06	0-12	pion-	1	20001	-W_T	ace
						-Z05-06 -Z06-09	11-24	2(Vil)	on f dien		wint	1/6:1
						-Z09-12	10-61	1,6,4	BIDWN	5, 17	W, 1 -	1:114
1								(2)/10	trit			
					1	-Z12-18						
						740.04						
2						-Z18-24						
2						-Z24-30						
											A	
						-Z30-36						.,
3												
					_	-Z36-42					<del></del>	
		-				-Z42-48						
4	nounaninens ommassiumite			aumoninen iki salit dimakalasia						allegen e dell'el specience e col		
	***************************************		***************************************									
5												
											<del></del>	
									· · · · · · · · · · · · · · · · · · ·			
							~ · · · · · · · · · · · · · · · · · · ·					
6	***************************************	***************************************					<del>agai sa salati na masanana</del> sa					rander in anconstruction
			<del></del>									
						*						
7							<del></del>					
				***************************************								
-												
8												
Comme	nts	5 n.	S	Har	111 9	3						The state of the s
	•	7 00	h x		. , , ,							
	Completion		CNI	,					/_			
Method of	Completion	n / Backfill:	フリ	,					-/-/h			Bremann automatown d

www.chilenew.co		11201	1.						ID: <u>26 f</u>		
DATE		6/26/	16-			-	SITE NAME / !			ailey Offsite, Bu	ffalo NY
	EOLOGIST NTRACTOR		100			_	E & E PROJEC	CT ID	1/050	07.0008.01	_
RILLE			0-1			<del></del>	ELEVATION CO	CORDINATES		Datum	n
MILLE			and the second second			-					
	DATE	-	ATER LEVE		OFF DE	_	TYPE OF DRI		<u>Ceopr</u>	obe.	· · · · · · · · · · · · · · · · · · ·
	DATE	TIME	WATER	CTEAEL	REF. PT.			CORES COLLECT	Macro	Core har	
							SOIL SAMPLIF		)	COLE MON!	augi/
			CAMP	LEINEODI	AATION		FINISHED TO	TAL DEPTH			
epth BGS)	Core/SS No.	Blow	Recovery	PID/FID	Lab/Fie	d Sample ID		SOIL	. DESCRIPTI	ON / COMMENTS	
863)	140.	Count N/A	(ft) 2	(ppm) N/A	7.6 Pein-	Analysis O 5 -Z00-03	8-6	brown.	11:5	tan soil	w/orsonic
					10104	-Z03-06	V 0	Pigno	5:11	with tra	of Phy Cl
						-Z06-09	0	7	<u> </u>		( (1.) (0)
Ì						-Z09-12	12-24	h(0~-		1 19m +	set plan
-						-Z12-18		Class			<u> </u>
						-Z.1Z-10					
					N	-Z18-24					
					V	210 21		Maring a State of the State of			
						-Z24-30					
						***					······································
						-Z30-36					
-					-	-Z36-42					
-						-Z42-48		4			**************************************
-		Andrew Market Commence									
-											
											······································
	mader our communication date of the contraction date o	OM THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER									
				· · · · · · · · · · · · · · · · · · ·							
							•.		····		
-											
_											
-											
-									· · · · · · · · · · · · · · · · · · ·		
nme	nts -		( .	THE PARTY AND ADDRESS OF THE PARTY.	110						
		good	y th	inc	1130						
		,						4			*
	Completion		500							~	

		0/14	12020					O.A.T.I.O.A.	027 Pailes Office Paffel NV
DATE		qoof	100 V	1		-	SITE NAME / LO	CATION	837 Bailey Offsite, Buffalo NY
E&EG	EOLOGIST		J. Mic	<u> </u>		-	E & E PROJECT	ID	1705007.0008.01
SUBCO	NTRACTOR	LaBella				_	ELEVATION		Datum
DRILLE	R	Ce	Stone				LOCATION COO	RDINATES	N / E
		14/	ATER LEVE	L DATA			TYPE OF DRILL		Geoprobe
			T		T	1			A
	DATE	TIME	WATE	RLEVEL	REF. PT.	-	NUMBER OF CO	RES COLLECTED	
							SOIL SAMPLING	METHOD	Macro-Core
							FINISHED TOTAL	L DEPTH	34
			SAMP	LE INFORM	IATION				
Depth	Core/SS	Blow	Recovery			ld Sample ID	7	SOIL D	ESCRIPTION / COMMENTS
(ft. BGS)	No.	Count	(ft)	(ppm)		Analysis	0 74	T 7	1 / / / /
		N/A	3.4	N/A	JEHOV -	-07 -Z00-0		top soil	hith organies
						-Z03-(	63 10 <sup>n</sup>	Drown S	city lang.
			100			-Z06-0	910-2911	light how	in SIHV May befores
						-Z09-	2	124) Dra	in Clare @ 20th
1								1317 218	
					1 1	-Z12-1	8		
			<del>                                     </del>	<del>                                     </del>	<del>  </del>		-		
			<b></b>	ļļ	$  \mathbf{M} \rangle$	-Z18-2	4		
2					V				
						-Z24-3	0		
						-2,24-			
						/			
						-Z30-3	6		
3									
						-Z36-4	2		
			V						
						-Z42-4	8		
.		*	·	*		-Z-7 <b>Z</b>	٥		
4		- Paris - Pari						ино и по не основно на него по по него в на него на н	
5							<u> </u>		
6									
~ <del>-</del> -								*********************	
}									
Ļ									
7									
						-			
-							+		
8		and the second s							
Comme	nts								
									•
									$\Lambda$
Method of	Completion	/ Backfill-						8	1 1 1211
Mediod Of	Completion	i / Dackiii.	C. O. S. V. Berliner, M. C. S.						t this
								Signature:	WAY A MAY

D eci	ology an	id envir	ronment	engine	ering, p.c.	•••	BORING	No. <u>26800 - 04</u> y 10 <u>2880 - 04</u>	Page of
<u>y                                     </u>			······································				Propert	y 10 2880 - 04	-
DATE		6/1	6/20)	FO			SITE NAME / LOCATION	837 Bailey Offsite, Bu	
E&E(	GEOLOGIST	<i>-</i>	1 Mi	celí		_	E & E PROJECT ID	1705007.0008.01	
SUBCC	ONTRACTOR		S # 1 1 1				ELEVATION	Datur	n
DRILLE	êR	100000000000000000000000000000000000000	(- Xev	re			LOCATION COORDINATES	N /	E
ED		. W	VATER LEVE	EL DATA			TYPE OF DRILL RIG	Geoprobe	
	DATE	TIME	WATER	R LEVEL	REF. PT.	1	NUMBER OF CORES COLLE	l l	
						]	SOIL SAMPLING METHOD	Macro-Core	
ı							FINISHED TOTAL DEPTH	3.4	
			SAMP	PLE INFORM					
Depth t. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		eld Sample ID Analysis	so	DIL DESCRIPTION / COMMENTS	
***********		N/A	3, 4	N/A	288eu-		n= R" Inocoi	it and aganze	
İ			1		000	-Z03-06	11/19/19/20	3-5 gravel	
						-Z06-09	2001	Drown Cilty	Tax
1					+ + + -	-Z09-12	1/01/	210.11 >111 / 1	<del>~~</del>
1								·	•
						-Z12-18			
			Tanada T						
ļ					1	-Z18-24			
2								THE RESERVE THE PROPERTY OF TH	Charles and the same and the sa
1			Name of the last o			-Z24-30			
						. 700.00			
_						-Z30-36			
3						700.40		•	
						-Z36-42			-
				1		740.40			
. [		*				-Z42-48			
4						ATTACA MATERIAL PROPERTY OF THE PROPERTY OF TH		.hc-attachus ummumatu upp sp. con-c epine et gant epinekholus chikolus chikolus control	
_				i					
5				i					
								<del></del>	
6				1					
	-			T			time neminimental in anti-content at the first bound of the property of the content of the conte		New years and common control of the company of the common section of the company
Γ					1				***************************************
7			1	,					
′			Í		I				
					1				
					1				
8					l				
ommei	nts								
									•
									1

DATE		6/10	1202	-0			SITE NAME / LOCATION 837 Bailey Offsite, Buffalo NY				
E&EC	GEOLOGIST		J. M	cel			E & E PROJECT ID 1705007.0008.01				
SUBCC	NTRACTOR	LaBella		, , , , , , , , , , , , , , , , , , , ,			ELEVATION		Datum		
DRILLE	R	C.	Stone	2			LOCATION COORDINATES		N / E		
		W	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe			
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CORES COLLECTE	D			
							SOIL SAMPLING METHOD	Macro-Core			
							FINISHED TOTAL DEPTH		٠ لا		
			<del></del>	LE INFORM							
Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		d Sample ID nalysis		DESCRIPTION / COM	MENTS		
		N/A	2,8	N/A		v-v( -Z00-03	D-6"- brown	topsoil.	Lity organics		
				,	647)	-Z03-06	7-9" - luce	round ad	wood chip		
						-Z06-09	9-14" 1357 5	em selfy	· May		
1						-Z09-12		(			
						-Z12-18					
<u> </u>								,			
						-Z18-24					
2					V						
						-Z24-30					
						-Z30-36					
3			100								
						-Z36-42					
		*	<b>V</b> .	<b>—</b>		-Z42-48		· · · · · · · · · · · · · · · · · · ·			
4							мания на развительно стите от проток по	and and have received the second of the seco			
5											
J											
							, ,				
6	LUDORANIO GENERO CONTRACTOR DE							with the second of the second			
			-					-			
7							<u> </u>				
8									,		
Comme	nts										
	•			,			*	•			
								ŝ.	. , /		
Method of	Completion	ı / Backfill:						14	1 M.L		
							Signature:	Annala )	VIVIN		

DATE		6/16/	1070			_	SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY
E&EG	EOLOGIST	<u></u>	Micel			-	E & E PROJECT ID	1705007.0008.01
SUBCO	NTRACTOR	LaBella				_	ELEVATION	Datum
DRILLE	R	(,	Stene			•	LOCATION COORDINATES	N / E
		W	/ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATE	R LEVEL	REF. PT.		NUMBER OF CORES COLLECTED	
							SOIL SAMPLING METHOD	Macro-Core
							FINISHED TOTAL DEPTH	3.8
			SAMP	LE INFORM	IATION			
Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		d Sample ID nalysis	SOIL D	DESCRIPTION / COMMENTS
	denkou stakousannon s	N/A	3. 3	N/A	3)-Pov-	THE PARTY OF THE P	10-1.5" top Soil	with organizs
			T		1	-Z03-06	2.5 - 2411 redd	14 brown My beggnes
						-Z06-09	Lieft box	en day D 164
						-Z09-12	1310 910	ay e 10
1						740.40		
İ						-Z12-18		
						740.04		
_					V	-Z18-24		
2					The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	704.00	and the second and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	
						-Z24-30		
						720.20		
3						-Z30-36		
3-						-Z36-42		
						-230-42		
						-Z42-48		
4		*	V	*		-242-40		
5								
6							etien vallengigt kaltot i skeletijk volk op kaltoje kaltoje held projekt gjelet och die klipsison och en de Amerika op 1980 og 1980 og	
					· · · · · · · · · · · · · · · · · · ·			
							· · · · · · · · · · · · · · · · · · ·	
-								
7								
-					****		· · · · · · · · · · · · · · · · · · ·	
								Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of the Constant of th
-						•		SERVICE AND ADDRESS OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PRO
8		Nation Commission						
Comme	nts							CARLES CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONT
					•			
								Λ
	_							1
Method of	Completion	/ Backfill:						A fell
							Signature:	week In

A eco	ology an	d envir	ronmei	it engine	eering, p.c.			BORING	No.: 32-P	W-03	Page	L of 1
٣		. <i>J</i> .	en en en en en en en en en en en en en e						ty ID: 31-Pon			
DATE	NEOL 00107	4/1	6/20 M	20			SITE NAME / I			iley Offsite,	Buffalo NY	
	SEOLOGIST		7. 1.	164			E & E PROJE	CTID	17050	07.0008.01		
DRILLE	NTRACTOR	Labella /	- Sto				ELEVATION	CODDINATEO	****		atum	
DRILLE	:R		***************************************	VOID-POLINE CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR			LOCATION CO	Park State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the		N	1	E
			VATER LEV		· ·		TYPE OF DRII		Geopro	be		
	DATE	TIME	WAT	ER LEVEL	REF. PT.			CORES COLLE		<u> </u>		*****
							SOIL SAMPLIN		Macro-		4.0	
							FINISHED TO	TAL DEPTH		HTY V N	4:0	
Depth	Core/SS	Blow	Recover	PID/FID	<del></del>	ample ID	-	s	OIL DESCRIPTI	ON / COMMEN	rs	
(ft. BGS)	No.	Count	(ft)	(ppm)	& Ana	lysis	- 14					
		N/A	4.0	N/A	32 Pen-03		U = U = U	brayn	ppsort	with	organits	
						-Z03-06	10	reddist	brown	Sity	Clay	
			+			-Z06-09	12-2014	1134	brown	Silty	clay	
1					<u> </u>	-Z09-12						
			+ +			-Z12-18						
						-Z18-24						
2			<b>                                     </b>					alkarisahan Malaakannan maanakansa				er Frank vin Desklanderske de de de desklande
						-Z24-30						
						-Z30-36			·····			
3						-Z36-42						
						-Z42-48						
4			V					the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon				
								•				
_												
5												
6		*************							***************************************			
-				-								
7												
-												
8	in en											
Comme	nts 🎉	'S40C	ty	ed to	Core							
								*			•	
										1	1, 1	
nethod of	Completion	/ Backfill:									1111.	and the second

(A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	JROS V 241 i Environmental S	cecamis	onment	engine	ering, p.c.					Peru-04 Peru-04	Page of
	BE GEOLOGIST . Miceli  BECONTRACTOR LaBella					SITE NAME / L E & E PROJECT ELEVATION LOCATION CO TYPE OF DRIL NUMBER OF C SOIL SAMPLIN	OCATION OT ID OORDINATES LL RIG CORES COLLE	837 I 1705 ————————————————————————————————————	Bailey Offsite, B 5007.0008.01 Date	ım	
							FINISHED TOT			3,7	
Depth (ft. BGS)	Core/SS No.	Blow Count	SAMP Recovery (ft)	LE INFORM PID/FID (ppm)	Lab/Field	d Sample ID		S	OIL DESCRIP	TION / COMMENTS	i
(II. BGS)		N/A	3,7			nalysis <b>~0                                    </b>	0-8"	W I	497 B	roun Srl	W lasm
			ĺ			-Z03-06		With.	Frage	Yark a	sh fall.
						-Z06-09	8-2411	1154	brown	Sity (1	ay
1						-Z09-12				• • • •	
					The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	-Z12-18					
					V	-Z18-24					
2					production control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control and control	-Z24-30			**************************************		
						700.00		•			
3 ——						-Z30-36					·
	-					-Z36-42					
			V	<b>*</b>		-Z42-48					
4											
5											
-											
6		and the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conference of the conf									
7											
8									<del></del>		
comme	nts										
lethod of	Completion								ì	111	A.

,							Property	No.: 06 Page 1	
DATE		4/15/202					SITE NAME / LOCATION	837 Bailey Ave IRM-Offsite	
	EOLOGIST		C. F	,occ	eca		E & E PROJECT ID	1703074.0041.04	
	NTRACTOR						ELEVATION	Datum	
DRILLE	R	NA					LOCATION COORDINATES	N /	
	_	WA	TER LEVEL D				TYPE OF DRILL RIG	NA	
	DATE	TIME	WATER	LEVEL	REF. PT.		NUMBER OF CORES COLLEC	TED NA	
	-		-	_	68		SOIL SAMPLING METHOD	hand auger	
					H(X)		FINISHED TOTAL DEPTH	120(0)	
Depth	Core/SS	Blow	Recovery	PID/FID		- 412			
R. BGS)	No.	Count	(ft)	(ppm)	Lab/Field Sample & Analysis			IL DESCRIPTION / COMMENTS	
	-	N/A	2ft	N/A	32 Per U-06	-Z00-03	0 - 6" Re	ddish, Itmed, b	row
_			-			-Z03-06	silty sa		Her
	_					-Z06-09	100731, 30	menhat consolida	tel
1				-	V	-Z09-12	9-12" Reddi	3h, Hmed. brow	n
						-Z12-18	Stilling So	and wlorganic mas	teri
_							(roots), b	etter consolidated	
						-Z18-24			
2-									
						-Z24-30			
						-Z30-36			
•									
						-Z36-42			
						740 40			
4-		+		+		-Z42-48			-
									-
	-								
5-			Section 1	Per		MES			
		-		-		100			
_									
					and the same of the same of				
°-									
-									
Set 3			34						
7-				100					
-				120					
1									
				10 10		Total Control			
omme	ents								
athere of	Complete	n / Backfill:							
	Julipidilu	are and the	-				Signatu	AR ()	

Property ID: 36 Per - 61

DATE		6/3	1/10	20			SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY
	EOLOGIST		>. ru	celi			E & E PROJECT ID	1705007.0008.01
SUBCC	NTRACTOR	LaBella	Λ.				ELEVATION	Datum
DRILLE	R	(	· 2001	<u></u>			LOCATION COORDINATES	· N / E
		W.	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	R LEVEL	REF. PT.		NUMBER OF CORES COLLECT	ED
							SOIL SAMPLING METHOD	Macro-Core
							FINISHED TOTAL DEPTH	3.5
			SAMP	LE INFORM	MATION			
Depth	Core/SS	Blow	Recovery	PID/FID	Lab/Field	Sample ID	SOIL	. DESCRIPTION / COMMENTS
(ft. BGS)	No.	Count	(ft) 3. S	(ppm)		alysis		
		N/A	5.0	N/A	36-Per-0		O-3' dak bren	top soil with organics
						-Z03-06	5-10" 1647 5	roun / reldish Clay
						-Z06-09	10-24" pak	Som sifty loan becomes
1						-Z09-12	light from	n Selfy play Q 154
•			000000			-Z12-18		
			ALC: NO.			-212-10	Note	
							7-10	Fray Yark ashe GI
						-Z18-24		11 24 27 111
2							14-15 1-10	and eval along blak and AM
						-Z24-30	1 1 was all	and steel that successful
						-Z30-36		
3 ——								
						-Z36-42		
			V			****		
						-Z42-48		
1		*		₩		212 10		
.,								
							<del></del>	
-								
5								
ŀ								
}								
6				,	***************************************		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
ļ								
7								
8								
Comme	nts	ر <i>-</i>	Ir	1.~.	. 11.1.	20h. 17	ll le opry fell-	
	-	/	-1>	TIME	blyk	My H	V	
		f,	1.15	lara	in A	lat L	le ente LIL	
		16	17	1"Y	gravol (	194 Dall	LOGY TOIL	
					W		•	
Method of	Completion	1 / Backfill:						A African Commence
							Signature	e: ////

DATE		6/26	13026	) 		_	SITE NAME / LOCAT	TION	837 Bailey Offsit	e, Buffalo NY
E&EG	EOLOGIST	1.	Mireli				E & E PROJECT ID		1705007.0008.0	1
SUBCO	NTRACTOR	LaBella					ELEVATION			Datum
DRILLE	R	<u> </u>	Stone			•	LOCATION COORD	INATES	N	/ <u>E</u>
		W	ATER LEVE	L DATA			TYPE OF DRILL RIG		Geoprobe	
	DATE	TIME	WATER	RLEVEL	REF. PT.		NUMBER OF CORE	S COLLECT	ED	
							SOIL SAMPLING ME	THOD	Macro-Core	
							FINISHED TOTAL DI	EPTH	3, 3	
				LE INFORM						
Depth (ft, BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		d Sample ID nalysis		SOIL	DESCRIPTION / COMME	NTS
		N/A	3,3	N/A	36 Parv-t	ን <b>}</b> -Z00-03	0-12 da	4 b1	our siller	loan Will
						-Z03-06	Orac	uncs	and serve	clas
						-Z06-09			4	- (
1						-Z09-12	12-24"	1347	Drown Siff	I clay becomes
						-Z12-18	l'i	ght b	rown May 6	0 184"
										-
					1/	-Z18-24				
2			<del>                                     </del>		-V					
			-			-Z24-30				
						-Z30-36				
3										
			<b>V</b>			-Z36-42			X	
		•		*		-Z42-48				
4					<del>ti Shinda Badanda dhinda ata a sa valon ha sa dh</del> a an anach	Out Christian (Cubic error) vers rive (Insertor) and (Cubic error)	Anniere HAVI Clark de Historia de Pastelante a recurso de la constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e a ser el constante e		ntitienn jälliv Mintilan kunimutaansaks tii keestte kunnit viitaan päätistet osa eessa saa	arver to commission with conscious distributes the commission of the decrease we assume a delicit in income ten
					-					
5										
								· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
6		-	<b></b>		<del>dens er opelståtora uttel kramme stå se</del>	Mark Comments of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the Comment of the	ecretarios de Colonia de Adelección de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colonia de Colon	an existing and a dame.	androckian alla farestra killikkian et encan elikkibi alle kilasasikan erena	
				-						
}			1-		······					
7 —										
-		·····								
8						-				
Comme	nts									
4										
									. 1	
Method of	Completion	ı / Backfill:	Parkagan makan alapaka						11/11	
								Signature	e: J luni	

BORING No.: 36 Per - 03 Page 1 of 1

Property ID: 36 Per - 03

DATE		6/76/	1000				SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY
E&EG	EOLOGIST	.گر	Mice				E & E PROJECT ID	1705007.0008.01
SUBCO	NTRACTOR	LaBella					ELEVATION	Datum
DRILLE	R	<u> </u>	Store				LOCATION COORDINATES	N / E_
		W	ATER LEVE	. DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	LEVEL	REF. PT.		NUMBER OF CORES COLLECT	ED
	-						SOIL SAMPLING METHOD	Macro-Core
							FINISHED TOTAL DEPTH	3.6
			SAMPL	E INFORM				
Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)		Sample ID alysis	SOIL	DESCRIPTION / COMMENTS
e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l		N/A	3.0	N/A	36 Per -0	CONTROL OF THE PROPERTY OF THE PARTY OF THE	0-5" boun	top sort with enganits
					1	-Z03-06	20	Hy loan with Some
			-			-Z06-09	Sand	
	,					-Z09-12	11- HI" 11547 Jour	n silly play with some
1						-Z12-18	Sand	
						-2.12-10		
						-Z18-24		
2					V	-2.10-24		
•					V	-Z24-30		
						-224-30		
						-Z30-36		
3					L	200 00		
						-Z36-42		
						200 12		
			V			-Z42-48		
4	***************************************	₩		*	The investment of the contract		oon dan say waxaa ka ka maa aa aa aa ah aa aa aa ah aa ah aa ah aa ah aa ah aa ah aa ah aa ah aa ah aa ah aa a	
								·
							*	
5								
6					torn Nancolff Wester all Religions in the last account			
-								
7								
-								
8	nto	CONTRACTOR OF THE STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STRE						
Comme	แเร							
							•	·
								A
Maile of co	0	/D= 150						
vieulog of	Completion	i/ Dackilli					Signature	a to the Mich

Property ID: 36 Perug-04

Page 1 of 1

DATE							SITE NAME / LOCATION	N 837 Bailey Offsite, Buffalo NY
E&EG	SEOLOGIST						E & E PROJECT ID	1705007.0008.01
SUBCO	NTRACTOR	LaBella	-1-11-11-11-11-11-11-11-11-11-11-11-11-				ELEVATION	Datum
DRILLE	R	,					LOCATION COORDINAT	TES N / E
		W	ATER LEVE	L DATA			TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	1	R LEVEL	REF. PT.		NUMBER OF CORES CO	
SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTION SECTIO							SOIL SAMPLING METHO	
							FINISHED TOTAL DEPT	7 7
							FINISHED TOTAL BEFT	
Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery (ft)	PID/FID (ppm)	Lab/Field	Sample ID alysis		SOIL DESCRIPTION / COMMENTS
		N/A	3,3	N/A	36 Perug-	oif -Z00-03	0-14" dw	k brown silty loam
						-Z03-06	hat	erganics"
						-Z06-09		per college.
1						-Z09-12	14-24" /14	4+ brown softy clay
						-Z12-18		
						-Z18-24		
2					<u></u>			
						-Z24-30		
						-Z30-36		
3						200 00		
						-Z36-42		
			<b>Y</b>		* 1	200 12		
						-Z42-48		
4		*		*				
5							***	
								·
6								
								-
7							-	
		`						
8								
Comme	nts	,						
							÷	
								A
Method of	Completion	/ Backfill:		E-SIGNAL AND AND AND AND AND AND AND AND AND AND				1 10
							Sig	gnature:

BORING No.:36 Page 1 of 1

Property ID36 Page - 06

DATE		6/16	1700	0			SITE NAME / L	OCATION	837 E	Bailey Offsi	te, Buffalo N	<b>√</b> Υ
E&E@	EOLOGIST	1	· Mil	eli			E & E PROJECT ID 1705007.0008.01					
SUBCC	NTRACTOR	LaBella					ELEVATION	ELEVATIONDatum				
DRILLE	R		Stol	NC.			LOCATION CO	ORDINATES		N	- <u></u>	E
		. w	ATER LEVE				TYPE OF DRIL	I RIG	Geopi	robe		
	DATE	TIME	T	R LEVEL	REF. PT.		NUMBER OF C			l		
							SOIL SAMPLIN			o-Core		
							FINISHED TOT		-	3.6		-
			SAMP	LE INFORM	/ATION							
Depth (ft. BGS)	Core/SS No.	Blow Count	Recovery		Lab/Fiel	d Sample ID nalysis		so	DIL DESCRIP	TION / COMM	ENTS	
(II. BG3)	140.	N/A	3. 6	N/A	36 Par-		0-101	FARK	bourse	0.140	land	nafr
			1		70172	-Z03-06		Augus	C L	2119	$\frac{16\alpha i}{\alpha}$	lass
			$\Box$			-Z06-09		organ		111 201	KLM	ivy
						-Z09-12		1,44	Lorenza	0.11.	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Clare
1							01	1130	Diese (	MY	aizig	clay
					-	-Z12-18						
						-Z18-24						
2		******			<u> </u>	NO THE WAY WAY WATER THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER TO SEE THE WAY WATER			0. <del>174.1-0.284-1.114-1.10.004-1.14</del>	***************************************	***************************************	
						-Z24-30					··········	
												<del></del>
		,			-	-Z30-36						
3												
						-Z36- <b>4</b> 2				· · · · · · · · · · · · · · · · · · ·		
			<b>S</b>									
		*		•		-Z42- <b>4</b> 8						
4								entrema e com cue que caraçõe e suspeço	<del></del>			
									····			
5												,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		.,,,										
6					,							
												TOWN THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE
7												
,												
8												
Comme	nts											
								•			Л	
Method of	Completion	/ Backfill:									411_	
								Signati	ure:	AVI	M	

@ <u>@</u>	ology an stronososis	d envir	onment	engine	ering, p.c.			10.: 36 Pov - 07 Page of [
<u> </u>							Property	10:3690v-67
DATE	SEOLOGIST	6/36	1368 ( K	-0 I <i>rre</i> li		_	SITE NAME / LOCATION	837 Bailey Offsite, Buffalo NY 1705007.0008.01
	SUBCONTRACTOR LaBella					-	E & E PROJECT ID	
	DRILLER C. Stone						ELEVATION	Datum
DRILLE	:R 			REPORT CONTRACTOR			LOCATION COORDINATES	
			ATER LEVE		T		TYPE OF DRILL RIG	Geoprobe
	DATE	TIME	WATER	RLEVEL	REF, PT.		NUMBER OF CORES COLLECT	
							SOIL SAMPLING METHOD	Macro-Core 3.7
							FINISHED TOTAL DEPTH	
Depth	Core/SS	Blow	Recovery	PID/FID	Lab/Fiel	d Sample ID	SOIL	L DESCRIPTION / COMMENTS
(ft. BGS)	· No.	Count	(ft)	(ppm)		nalysis - こフ -Z00-03		
		N/A	3,7	N/A	36 Pou-	-Z03-06	V II WILL	brown Silty loam Wif
			<del>                                     </del>			-Z03-06 -Z06-09	Time	slack asy +111 and
						-Z06-09 -Z09-12		
1			-			-209-12	9-11 Som	ve media sized grave
						-Z12-18	11-24 1/54	born silty lay
								· · · · · · · · · · · · · · · · · · ·
						-Z18-24		
2 *************************************	сочитантиян иновиченняя выпада							His distribution of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t
						-Z24-30		
			i and					
						-Z30-36		
3						· · · · · · · · · · · · · · · · · · ·		<del></del>
			27100			-Z36-42		
		₩		¥		-Z42-48		
4				K-1964-Andrew Dr. 1864			nere processor and the contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second contract of the second	
							<u> </u>	
_								
5								
Ī								
6								
				namen usus amilika emika asikusi	-		BOTO MERITO DE COMPOSITO DE COMPOSITO DE LA ESTADORIMA DE LA COMPOSITOR DE COMPOSITOR DE COMPOSITOR DE COMPOSI LA COMPOSITOR DE COMPOSITOR DE COMPOSITOR DE COMPOSITOR DE COMPOSITOR DE COMPOSITOR DE COMPOSITOR DE COMPOSITO	igat partidos (igas interpreta de la marca de consequente de la comitación de la consequención de la conse
Ī					W 114 4			
-								
,								
7							1	
. 8								
Comme	nts							

M ec	ołogy an	d envir	onment	engine	ering, p.e.		BORING No.: 36PERU - 08 Page of
<u>y</u>		monana manana d	:				Property ID:
DATE		6/	25/20	ozo			SITE NAME / LOCATION 837 Bailey Offsite, Buffalo NY
E&E(	GEOLOGIST	<u></u>	. Jaco	obs _		_	E & E PROJECT ID 1705007.0008.01
SUBCO	NTRACTOR	LaBella		<del>*************************************</del>		_	ELEVATIONDatum
DRILLE	ER .						LOCATION COORDINATES N / E
		W.	ATER LEVE	L DATA	Т		TYPE OF DRILL RIG ——Geoprobe—
	DATE	TIME	WATE	RLEVEL	REF. PT.	-	NUMBER OF CORES COLLECTED Hand Auger
							SOIL SAMPLING METHOD Macro-Core
	·	AND THE RESERVE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF				_	FINISHED TOTAL DEPTH 2F+
Depth	Core/SS	Blow	SAMP Recovery	LE INFORM	<del></del>	d Sample ID	SOIL DESCRIPTION / COMMENTS
(ft. BGS)	No.	Count	(ft)	(ppm)		a Sample ID Analysis	SOIL DESCRIPTION / COMMENTS
		N/A		N/A	36PERU-		I Chik didoit and dy diff forwit
						-Z03-06	The Diemon Still Will Sollie
						-Z06-09	Getter with The graves.
1						-Z09-12	it is it differs stored
						-Z12-18	8/18-24" Light yellowish brown sand with trace silt.
						-Z18-24	:4
2						-Z24-30	0
						-Z30-36	6
3						-Z36-42	2
						-Z42-48	8
4		*		\			
5							
-							
6						**************************************	
					-1		
7							
					· · · · · · · · · · · · · · · · · · ·		
8 Comme	nts						
- onnine							
		·			•		
Method of	Completion	n / Backfill:	Toosoi				



# C Laboratory Reports

Category B laboratory reports are provided separately.



# Data Usability Summary Reports

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 9, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	Sample Delivery Group	Task Code
Test America, Edison	460-212131-8	Remedial Design
Test America, Buffalo	480-186727-1	Remedial Design

					Lab	MS/	ID
Work Order	Matrix	Sample ID	Lab ID	Sample Date			Corrections
460-212131-8	SO	817BAILEY-01-Z00-03	460-212131-164	06/26/2020 13:10			
460-212131-8	SO	817BAILEY-01-Z03-06	460-212131-165	06/26/2020 13:10			
460-212131-8	SO	817BAILEY-01-Z06-09	460-212131-166	06/26/2020 13:10			
460-212131-8	SO	817BAILEY-01-Z09-12	460-212131-167	06/26/2020 13:10			
460-212131-8	SO	817BAILEY-02-Z00-03	460-212131-168	06/26/2020 13:20			
460-212131-8	SO	817BAILEY-02-Z03-06	460-212131-169	06/26/2020 13:20			
460-212131-8	SO	817BAILEY-02-Z06-09	460-212131-170	06/26/2020 13:20			
460-212131-8	SO	817BAILEY-02-Z09-12	460-212131-171	06/26/2020 13:20			
460-212131-8	SO	817BAILEY-02-Z12-18	460-212131-172	06/26/2020 13:20			
460-212131-8	SO	817BAILEY-02-Z18-24	460-212131-173	06/26/2020 13:20			
480-186727-1	SO	817Bailey-01-Z9-12	480-186727-1	06/30/2021 10:38			
480-186727-1	SO	817Bailey-01-Z12-18	480-186727-2	06/30/2021 10:38			
480-186727-1	SO	817Bailey-01-Z18-24	480-186727-3	06/30/2021 10:38			
480-186727-1	SO	817Bailey-01-Z24-30	480-186727-4	06/30/2021 11:20		•	
480-186727-1	SO	817Bailey-01-Z30-36	480-186727-5	06/30/2021 11:20			

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-8	SO	6010C	10	N
480-186727-1	SO	6010C	5	N

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 9, 2020	Completed by: Eridania Marte

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 0 FD per 15 samples. 0 MS/MSD per 15 samples. 0 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to List

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 9, 2020	Completed by: Eridania Marte				

Arsenic/Lead by Method 6010C				
Description	Notes and Qualifiers			
Are any compounds present in method and field blanks as noted on Table 2?	No.			
For samples, if results are < 5 times the blank then "U" flag data.	N/A			
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.			
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	Yes.			
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.			
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.			
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.			
Are serial dilution within QC criteria? (see Table 5)	Yes.			
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.			
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.			
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.			
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.			
Were samples re-analyzed or diluted? (see Table 6)	No.			
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.			

Summary of Potential Impacts on Data Usability		
Concerns		
• None		

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 9, 2020	Completed by: Eridania Marte				

### Table 2 - List of Positive Results for Blank Samples

None.

## Table 2A - List of Samples Qualified for Method Blank Contamination

None.

#### Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

None.

#### Table 3A - List of RPDs outside Control Limits

None.

#### Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

#### Table 6 -Samples that were Re-analyzed or Diluted

None.

#### Table 7 - Summary of Field Duplicate Results

N/A

#### **Acronym List and Table Key:**

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample

LR = Laboratory replicate

MB = method blank MS = matrix spike

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 9, 2020	Completed by: Eridania Marte				

## **Acronym List and Table Key**:

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

RPD = relative percent difference SDG = sample delivery group

Data Usability Summary Report	Project: 825 Bailey Offsite				
Date Completed: February 10, 2022	Completed by: Nick Archer				

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	Sample Delivery Group	Task Code
Test America, Buffalo	480-183506-1 480-184654-1	Remedial Design

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
480-183506-1	SO	825BAILEY-01-Z0-3	480-183506-1	4/15/2021 14:45			
480-183506-1	SO	825BAILEY-01-Z3-6	480-183506-2	4/15/2021 14:45			
480-183506-1	SO	825BAILEY-01-Z6-9	480-183506-3	4/15/2021 14:45			
480-183506-1	SO	825BAILEY-01-Z9-12	480-183506-4	4/15/2021 14:45			
480-183506-1	SO	825BAILEY-01-Z12-18	480-183506-5	4/15/2021 14:45			
480-183506-1	SO	825BAILEY-01-Z18-24	480-183506-6	4/15/2021 14:45			
480-183506-1	SO	825BAILEY-02-Z0-3	480-183506-7	4/15/2021 15:10			
480-183506-1	SO	825BAILEY-02-Z3-6	480-183506-8	4/15/2021 15:10			
480-183506-1	SO	825BAILEY-02-Z6-9	480-183506-9	4/15/2021 15:10			
480-183506-1	SO	825BAILEY-02-Z9-12	480-183506-10	4/15/2021 15:10			
480-183506-1	SO	825BAILEY-02-Z12-18	480-183506-11	4/15/2021 15:10			
480-183506-1	SO	825BAILEY-02-Z18-24	480-183506-12	4/15/2021 15:10			
480-183506-1	SO	825BAILEY-03-Z0-3	480-183506-13	4/15/2021 15:30			
480-183506-1	SO	825BAILEY-03-Z3-6	480-183506-14	4/15/2021 15:30			
480-183506-1	SO	825BAILEY-03-Z6-9	480-183506-15	4/15/2021 15:30			
480-183506-1	SO	825BAILEY-03-Z9-12	480-183506-16	4/15/2021 15:30			
480-183506-1	SO	825BAILEY-03-Z12-18	480-183506-17	4/15/2021 15:30			
480-183506-1	SO	825BAILEY-03-Z18-24	480-183506-18	4/15/2021 15:30			
480-183506-1	SO	825BAILEY-04-Z0-3	480-183506-31	4/16/2021 11:45			
480-183506-1	SO	825BAILEY-04-Z3-6	480-183506-32	4/16/2021 11:45			
480-183506-1	SO	825BAILEY-04-Z6-9	480-183506-33	4/16/2021 11:45			
480-183506-1	SO	825BAILEY-04-Z9-12	480-183506-34	4/16/2021 11:45			
480-183506-1	so	825BAILEY-04-Z12-18	480-183506-35	4/16/2021 11:45		MS/ MSD	
480-183506-1	SO	825BAILEY-04-Z18-24	480-183506-36	4/16/2021 11:45			
480-183506-1	SO	825BAILEY-04-Z0-3-Q	480-183506-38	4/16/2021 11:45			

Data Usability Summary Report	Project: 825 Bailey Offsite				
Date Completed: February 10, 2022	Completed by: Nick Archer				

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
480-183506-1	WQ	RB-04162021	480-183506-39	4/16/2021 12:30			
480-184654-1	so	825BAILEY-TP-05-Z3-6	480-184654-1	5/13/2021 11:30		MS/ MSD	
480-184654-1	SO	825BAILEY-TP-05-Z6-9	480-184654-2	5/13/2021 11:30			
480-184654-1	SO	825BAILEY-TP-05-Z9-12	480-184654-3	5/13/2021 11:30			
480-184654-1	SO	825BAILEY-TP-05-Z12-18	480-184654-4	5/13/2021 11:30			
480-184654-1	SO	825BAILEY-TP-05-Z18-24	480-184654-5	5/13/2021 11:30			
480-184654-1	SO	825BAILEY-TP-05-Z24-30	480-184654-6	5/13/2021 11:30			
480-184654-1	SO	825BAILEY-TP-05-Z30-36	480-184654-7	5/13/2021 11:30			
480-184654-1	SO	825BAILEY-TP-06-Z3-6	480-184654-8	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-06-Z6-9	480-184654-9	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-06-Z9-12	480-184654-10	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-06-Z12-18	480-184654-11	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-06-Z18-12	480-184654-12	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-06-Z24-30	480-184654-13	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-06-Z30-36	480-184654-14	5/13/2021 09:15			
480-184654-1	SO	825BAILEY-TP-07-Z-3-6	480-184654-15	5/13/2021 08:11			825BAILEY-TP-07-Z3-6
480-184654-1	SO	825BAILEY-TP-07-Z-6-9	480-184654-16	5/13/2021 08:11			825BAILEY-TP-07-Z6-9
480-184654-1	SO	825BAILEY-TP-07-Z-9-12	480-184654-17	5/13/2021 08:11			825BAILEY-TP-07-Z9-12
480-184654-1	SO	825BAILEY-TP-07-Z-12-18	480-184654-18	5/13/2021 08:11			825BAILEY-TP-07-Z12-18
480-184654-1	SO	825BAILEY-TP-07-Z-18-24	480-184654-19	5/13/2021 08:11			825BAILEY-TP-07-Z18-24
480-184654-1	SO	825BAILEY-TP-07-Z-24-30	480-184654-20	5/13/2021 08:11			825BAILEY-TP-07-Z24-30
480-184654-1	SO	825BAILEY-TP-07-Z-30-36	480-184654-21	5/13/2021 08:11			825BAILEY-TP-07-Z30-36
480-184654-1	SO	825BAILEY-TP-08-Z6-9	480-184654-22	5/13/2021 08:41			
480-184654-1	SO	825BAILEY-TP-08-Z9-12	480-184654-23	5/13/2021 08:41			
480-184654-1	SO	825BAILEY-TP-08-Z12-18	480-184654-24	5/13/2021 08:41			
480-184654-1	SO	825BAILEY-TP-08-Z18-24	480-184654-25	5/13/2021 08:41			
480-184654-1	SO	825BAILEY-TP-08-Z24-30	480-184654-26	5/13/2021 08:41			
480-184654-1	SO	825BAILEY-TP-08-Z30-36	480-184654-27	5/13/2021 08:41			

SDG	Matrix	Test Method	Number of Samples	Sample Type
480-183506-1	SO	6010C	26	N
480-183506-1	SO	6010C	1	RB
480-183506-1	SO	6010C	1	MS/MSD
480-184654-1	SO	6010C	27	N
480-184654-1	SO	6010C	1	MS/MSD

General Sample Information				
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.			
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.			

Data Usability Summary Report	Project: 825 Bailey Offsite
Date Completed: February 10, 2022	Completed by: Nick Archer

Frequency of Field QC Samples Correct?	The frequency of field QC will be evaluated at the end
Field Duplicate - 1/20 samples	of project.
Trip Blank - Every cooler with VOCs waters only	1 FD per 53 samples.
Equipment Blank - 1/ set of samples per day?	2 MS/MSD per 53 samples.
	1 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

#### Go to List

Data Usability Summary Report	Project: 825 Bailey Offsite
Date Completed: February 10, 2022	Completed by: Nick Archer

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are < 5 times the blank then "U" flag data.	N/A
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead recovered outside acceptance criteria in the MS and MSD for samples 825BAILEY-04-Z12-18 and 825BAILEY-TP-05-Z3-6. Lead also exhibited poor precision between the MS and MSD for sample 825BAILEY-04-Z12-18. The parent result was greater than 4 times the spike amount; therefore, no qualification was made.  Arsenic was recovered below acceptance criteria in the MS for sample 825BAILEY-TP-07-Z30-36. The
	parent sample was J qualified as estimated.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	No. Arsenic recovered above acceptance criteria in the serial dilution for 825BAILEY-TP-05-Z3-6. The result was less than 50 times the MDL; therefore, no qualification was made.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	No. Lead was recovered above acceptance criteria in CCVL 480-581638/76. Associated samples were greater than 10 times the PQL; therefore, no qualification was made.
Were samples re-analyzed or diluted? (see Table 6)	Yes. Sample 825BAILEY-TP-07-Z6-9 was diluted due to the presence of iron which interferes with arsenic and lead.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Data Usability Summary Report	Project: 825 Bailey Offsite
Date Completed: February 10, 2022	Completed by: Nick Archer

## Summary of Potential Impacts on Data Usability

## Concerns

- Arsenic was J qualified in sample 825BAILEY-TP-07-Z30-36 due to low recovery in the MS.
- Sample 825BAILEY-TP-07-Z6-9 by two fold due to the presence of iron which interferes with arsenic and lead.

Data Usability Summary Report	Project: 825 Bailey Offsite
Date Completed: February 10, 2022	Completed by: Nick Archer

Table 2 - List of Positive Results for Blank Samples

Method	Sample ID	Sample Type	Analyte	Result	Qualifier	Units	MDL	PQL
6010C	480-577270/1-A	MB	Sodium	0.464	J	mg/L	0.32	1.0
6010C	480-577748/6	ICB	Potassium	0.111	J	mg/L	-	0.50
6010C	RB-04162021	RB	Calcium	0.12	J	mg/L	0.10	0.50
6010C	RB-04162021	RB	Iron	0.48	J	mg/L	0.019	0.050
6010C	RB-04162021	RB	Manganese	0.011	J	mg/L	0.00040	0.0030
6010C	RB-04162021	RB	Zinc	0.015	J	mg/L	0.0015	0.010
6010C	480-581638/75	CCB	Lead	0.00671	J	mg/L	-	0.010

# **Table 2A - List of Samples Qualified for Method Blank Contamination** None.

# **Table 2B - List of Samples Qualified for Field Blank Contamination** None.

# Table 3 – List of MS/MSD Recoveries outside Control Limits

NONE.										
		Sample		Orig.	Spike			Low	High	
Method	Sample ID	Type	Analyte	Result	Amount	MS	MSD	Limit	Limit	Sample Qualifier
6010C	825BAILEY-04- Z12-18	MS	Lead	953	53.7	-552	460	75	125	None – 4X
6010C	825BAILEY-TP- 05-Z3-6	MS	Lead	597	46.5	-446	-603	75	125	None – 4X
6010C	825BAILEY-TP- 07-Z30-36	MS	Arsenic	16.6	50.7	74	79	75	125	J Flag

#### Table 3A - List of RPDs outside Control Limits

Method	Sample ID	Analyte	RPD	RPD Limit	Sample Qualifier
6010C	825BAILEY-04-Z12-18	Lead	59	20	None – 4X

# **Table 4 - List of LCS Recoveries outside Control Limits** None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

			Orig.	Serial Dilution			
Method	Sample ID	Analyte	Result	Result	MDL	%D	Sample Qualifier
6010C	825BAILEY-TP-05-Z3-6	Arsenic	13.0	14.93	0.47	15	None

Data Usability Summary Report	Project: 825 Bailey Offsite
Date Completed: February 10, 2022	Completed by: Nick Archer

Table 6 -Samples that were Re-analyzed or Diluted

Sample ID	Lab ID	Method	Sample Type	Action
825BAILEY-TP-07-Z6-9	480-184654-16	6010C	N	2X: Initial analysis diluted due to the presence of iron which interferes with arsenic and lead.

Table 7 - Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	825BAILEY-04-Z0-3	825BAILEY-04-Z0-3-Q	RPD	RPD Rating	Sample Qual
SW6010C	Arsenic	mg/kg	Solid	2.5	13.1	9.9	27.8%	Good	None
SW6010C	Lead	mg/kg	Solid	1.2	703	501	33.6%	Good	None

### **Acronym List and Table Key**:

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample

LR = Laboratory replicate

MB = method blank
MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

RPD = relative percent difference SDG = sample delivery group

Data Usability Summary Report	Project: 837 Bailey Offsite			
Date Completed: February 09, 2022	Completed by: Eridania Marte			

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	Sample Delivery Group	Task Code
Test America, Buffalo Test America, Edison	480-185119-1 480-185522-1	Remedial Design

					Lab	MS/	ID
Work Order	Matrix	Sample ID	Lab ID	Sample Date	QC	MSD	Corrections
480-185119-1	so	16PERU-01-Z0-03	480-185119-1	5/21/2021 8:00:00 AM			
480-185119-1	so	16PERU-01-Z03-06	480-185119-2	5/21/2021 8:00:00 AM			
480-185119-1	SO	16PERU-01-Z06-09	480-185119-3	5/21/2021 8:00:00 AM			
480-185119-1	SO	16PERU-01-Z09-12	480-185119-4	5/21/2021 8:00:00 AM			
480-185119-1	so	16PERU-01-Z12-18	480-185119-5	5/21/2021 8:00:00 AM			
480-185119-1	SO	16PERU-01-Z18-24	480-185119-6	5/21/2021 8:00:00 AM			
480-185119-1	SO	16PERU-02-Z00-03	480-185119-7	5/21/2021 8:30:00 AM			
480-185119-1	SO	16PERU-02-Z03-06	480-185119-8	5/21/2021 8:30:00 AM			
480-185119-1	SO	16PERU-02-Z06-09	480-185119-9	5/21/2021 8:30:00 AM			
480-185119-1	so	16PERU-02-Z09-12	480-185119-10	5/21/2021 8:30:00 AM			
480-185119-1	SO	16PERU-02-Z12-18	480-185119-11	5/21/2021 8:30:00 AM			
480-185119-1	SO	16PERU-02-Z18-24	480-185119-12	5/21/2021 8:30:00 AM			
480-185119-1	SO	16PERU-03-Z00-03	480-185119-13	5/21/2021 9:00:00 AM			

Data Usability Summary Report	Project: 837 Bailey Offsite		
Date Completed: February 09, 2022	Completed by: Eridania Marte		

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
480-185119-1	so	16PERU-03-Z03-06	480-185119-14	5/21/2021			
				9:00:00 AM 5/21/2021			
480-185119-1	SO	16PERU-03-Z06-09	480-185119-15	9:00:00 AM			
480-185119-1	so	16PERU-03-Z09-12	480-185119-16	5/21/2021 9:00:00 AM			
480-185119-1	so	16PERU-03-Z12-18	480-185119-17	5/21/2021			
400 103117 1		101 ERO 03 E12 10	400 103117 17	9:00:00 AM			
480-185119-1	so	16PERU-03-Z18-24	480-185119-18	5/21/2021 9:00:00 AM			
480-185119-1	so	16PERU-03-Z18-	480-185119-19	5/21/2021			
100 1001171		24-Q	100 100117 17	9:00:00 AM			
480-185119-1	so	16PERU-04-Z00-03	480-185119-20	5/21/2021			
				9:30:00 AM		140/	
480-185119-1	SO	16PERU-04-Z03-06	480-185119-21	5/21/2021 9:30:00 AM		MS/ MSD	
	<u> </u>			5/21/2021		IVIOD	
480-185119-1	SO	16PERU-04-Z06-09	480-185119-22	9:30:00 AM			
400 405440 4	00	1/05011 04 700 10	100 105110 00	5/21/2021			
480-185119-1	SO	16PERU-04-Z09-12	480-185119-23	9:30:00 AM			
480-185119-1	so	16PERU-04-Z12-18	480-185119-24	5/21/2021			
400 103117 1	- 00	101 ENO 04 E12 10	400 100117 24	9:30:00 AM			
480-185119-1	so	16PERU-04-Z18-24	480-185119-25	5/21/2021 9:30:00 AM			
				5/21/2021			
480-185119-1	so	RB-20210521	480-185119-26	11:48:00 AM			
480-185522-1	SO	16PERU-05-Z00-03	480-185522-1	5/21/2021			
400-100022-1	30	10PERU-00-200-03	400-100022-1	10:00:00 AM			
480-185522-1	SO	16PERU-05-Z03-06	480-185522-2	5/21/2021			
100 100022 1		101 ENG 00 200 00	100 100022 2	10:00:00 AM			
480-185522-1	SO	16PERU-05-Z06-09	480-185522-3	5/21/2021			
				10:00:00 AM			
480-185522-1	SO	16PERU-05-Z09-12	480-185522-4	5/21/2021 10:00:00 AM			
				5/21/2021			
480-185522-1	SO	16PERU-05-Z12-18	480-185522-5	10:00:00 AM			
400 105522 1		1/ DEDLI OF 710 04	400 105522 /	5/21/2021			
480-185522-1	SO	16PERU-05-Z18-24	480-185522-6	10:00:00 AM			
480-185522-1	SO	16PERU-05-Z24-30	480-185522-7	5/21/2021		MS/	
100 100022-1		101 ENO 00 EE 7 00	100 100022 1	10:00:00 AM		MSD	
480-185522-1	SO	16PERU-05-Z30-36	480-185522-8	5/21/2021			
400 105522 1	CO	14DEDIL 05 702	400 10EE22 0	10:00:00 AM			
480-185522-1	SO	16PERU-05-Z03-	480-185522-9	5/21/2021			

Data Usability Summary Report	Project: 837 Bailey Offsite		
Date Completed: February 09, 2022	Completed by: Eridania Marte		

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
		06-Q		10:00:00 AM			

SDG	Matrix	Test Method	Number of Samples	Sample Type
480-185119-1	SO	6010C	24	N
480-185119-1	SO	6010C	6010C 1	
480-185119-1	SO	6010C	1	MS/MSD
480-185119-1	SO	6010C	1	RB
480-185522-1	SO	6010C	8	N
480-185522-1	SO	6010C	1	FD
480-185522-1	SO	6010C	1	MS/MSD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 32 samples. 2 MS/MSD per 32 samples. 1 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite			
Date Completed: February 09, 2022	Completed by: Eridania Marte			

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are < 5 times the blank then "U" flag data.	Not applicable.
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead recovered below acceptance criteria in the MS and MSD for sample 16PERU-04-Z03-06. The parent sample concentration was greater than four times the spike amount; therefore, no qualification was made.
	Lead recovered above acceptance criteria in the MS and MSD for sample 16PERU-05-Z24-30. Lead also exhibited poor precision between the MS and MSD. The parent sample was J qualified as estimated.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.
Were samples re-analyzed or diluted? (see Table 6)	No.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

# Concerns

Lead was J qualified in sample 16PERU-05-Z24-30 due to high recovery in the MS and MSD.
 In addition lead exhibited poor precision between the MS and MSD.

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: February 09, 2022	Completed by: Eridania Marte

None.

# Table 2A - List of Samples Qualified for Method Blank Contamination

None.

# Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

None.

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	MS	MSD	Low Limit	High Limit	Sample Qualifier
6010C	16PERU-04-Z03- 06	Ν	Lead	547	49.8	-119	-188	75	125	None – 4X
6010C	16PERU-05-Z24- 30	N	Lead	138	52.36	189	541	75	125	J Flag

#### Table 3A - List of RPDs outside Control Limits

None.

Method	Sample ID	Analyte	RPD	RPD Limit	Sample Qualifier	
6010C	16PERU-05-Z24-30	Lead	56	20	J Flag	

#### Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

### Table 6 -Samples that were Re-analyzed or Diluted

None.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	16PERU-03- Z18-24	16PERU- 03-Z18-24- Q	RPD	RPD Rating	Sample Qual
SW6010C	Arsenic	mg/kg	Solid	2.6	10.9	11.5	5.4%	Good	None
SW6010C	Lead	mg/kg	Solid	1.3	254	172	38.5%	Good	None

Data Usability Summary Report	Project: 837 Bailey Offsite	
Date Completed: February 09, 2022	Completed by: Eridania Marte	

Method	Analyte	Unit	Matrix	PQL	16PERU-05- Z03-06	16PERU- 05-Z03-06- Q	RPD	RPD Rating	Sample Qual
SW6010C	Arsenic	mg/kg	Solid	2.4	14.4	14.8	2.7%	Good	None
SW6010C	Lead	mg/kg	Solid	1.2	1050	1010	3.9%	Good	None

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample LR = Laboratory replicate

MB = method blank
MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 24, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	Sample Delivery Group	Task Code
Test America, Edison	460-212131-1 460-212080-3	Remedial Design

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
460-212131-1	SO	18PERU-01-Z00-03	460-212131-152	06/26/2020 09:30			
460-212131-1	SO	18PERU-01-Z03-06	460-212131-153	06/26/2020 09:30			
460-212131-1	SO	18PERU-01-Z06-09	460-212131-154	06/26/2020 09:30			
460-212131-1	SO	18PERU-01-Z09-12	460-212131-155	06/26/2020 09:30			
460-212131-1	SO	18PERU-01-Z12-18	460-212131-156	06/26/2020 09:30			
460-212131-1	SO	18PERU-01-Z18-24	460-212131-157	06/26/2020 09:30			
460-212131-1	SO	18PERU-02-Z00-03	460-212131-158	06/26/2020 09:40			
460-212131-1	SO	18PERU-02-Z03-06	460-212131-159	06/26/2020 09:40			
460-212131-1	SO	18PERU-02-Z06-09	460-212131-160	06/26/2020 09:40			
460-212131-1	SO	18PERU-02-Z09-12	460-212131-161	06/26/2020 09:40			
460-212131-1	SO	18PERU-02-Z12-18	460-212131-162	06/26/2020 09:40			
460-212131-1	SO	18PERU-02-Z18-24	460-212131-163	06/26/2020 09:40			
460-212131-1	SO	18PERU-02-Z18-24-Q	460-212131-181	06/26/2020 09:40			
460-212080-3	SO	18PERU-03-Z00-03	460-212080-37	06/24/2020 14:50			
460-212080-3	SO	18PERU-03-Z03-06	460-212080-38	06/24/2020 14:50			
460-212080-3	SO	18PERU-03-Z06-09	460-212080-39	06/24/2020 14:50			
460-212080-3	SO	18PERU-03-Z09-12	460-212080-40	06/24/2020 14:50			
460-212080-3	SO	18PERU-03-Z12-18	460-212080-41	06/24/2020 14:50			
460-212080-3	SO	18PERU-03-Z18-24	460-212080-42	06/24/2020 14:50			
460-212080-3	SO	18PERU-04-Z00-03	460-212080-43	06/24/2020 15:15			
460-212080-3	SO	18PERU-04-Z00-03-Q	460-212080-80	06/24/2020 15:15			
460-212080-3	SO	18PERU-04-Z03-06	460-212080-44	06/24/2020 15:15	LR	MS	
460-212080-3	SO	18PERU-04-Z06-09	460-212080-45	06/24/2020 15:15			
460-212080-3	SO	18PERU-04-Z09-12	460-212080-46	06/24/2020 15:15			
460-212080-3	SO	18PERU-04-Z12-18	460-212080-47	06/24/2020 15:15			
460-212080-3	SO	18PERU-04-Z18-24	460-212080-48	06/24/2020 15:15			

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 24, 2020	Completed by: Eridania Marte

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
460-212080-3	SO	18PERU-06-Z00-03	460-212080-49	06/24/2020 15:10			
460-212080-3	SO	18PERU-06-Z03-06	460-212080-50	06/24/2020 15:10			
460-212080-3	SO	18PERU-06-Z06-09	460-212080-51	06/24/2020 15:10			
460-212080-3	SO	18PERU-06-Z09-12	460-212080-52	06/24/2020 15:10			
460-212080-3	SO	18PERU-06-Z12-18	460-212080-53	06/24/2020 15:10			
460-212080-3	SO	18PERU-06-Z18-24	460-212080-54	06/24/2020 15:10	•		

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-1	SO	6010D	12	N
460-212131-1	SO	6010D	1	FD
460-212080-3	SO	6010D	18	N
460-212080-3	SO	6010D	1	FD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 30 samples. 2 MS/MSD per 30 samples. 0 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 24, 2020	Completed by: Eridania Marte

Arsenic/Lead by Method 6010C					
Description	Notes and Qualifiers				
Are any compounds present in method and field blanks as noted on Table 2?	No.				
For samples, if results are < 5 times the blank then "U" flag data.	N/A				
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.				
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead was recovered below the acceptance criteria in the MS for sample 18PERU-02-Z12-18. The parent sample result was J qualified as estimated. No.				
Were elements recovered ≤30%? If so, "R" flag associated NDs.					
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.				
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.				
Are serial dilution within QC criteria? (see Table 5)	Yes.				
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.				
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.				
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.				
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.				
Were samples re-analyzed or diluted? (see Table 6)	No.				
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.				

# Concerns

Lead was recovered below the acceptance criteria in the MS for sample 18PERU-02-Z12-18.
 The parent sample result was J qualified as estimated.

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 24, 2020	Completed by: Eridania Marte

None.

# Table 2A - List of Samples Qualified for Method Blank Contamination

None.

# Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

		Sample		Orig.	Spike			Low	High	Sample
Method	Sample ID	Type	Analyte	Result	Amount	MS	MSD	Limit	Limit	Qualifier
6010D	18PERU-02-Z12-18	MS	Lead	87.6	50.4	134		75	125	J Flag

#### Table 3A - List of RPDs outside Control Limits

Method	Sample ID	Analyte	RPD	RPD Limit	Sample Qualifier
6010D	18PERU-02-Z12-18	Lead	36	20	J Flag

# Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

# Table 6 -Samples that were Re-analyzed or Diluted

None.

Table 7 - Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	18PERU-02-Z18-24	18PERU-02-Z18-24-Q	RPD	RPD Rating	Sample Qual
6010D	Arsenic	mg/kg	SO	3	9.8	10.3	5.0%	Good	None
6010D	Lead	mg/kg	SO	2	125.5	155.3	21.2%	Good	None

Method	Analyte	Unit	Matrix	PQL	18PERU-04-Z00-03	18PERU-04-Z00-03-Q	RPD	RPD Rating	Sample Qual

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 24, 2020	Completed by: Eridania Marte

6010D	Arsenic	mg/kg	SO	3.3	14.4	13.9	3.5%	Good	None
6010D	Lead	mg/kg	SO	2.2	514	513	0.2%	Good	None

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample LR = Laboratory replicate

MB = method blank MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	Sample Delivery Group	Task Code
Test America, Edison	460-212131-6 460-212080-2	Remedial Design

Work Order	Matrix	Sample ID	Lab ID	Sample Date		MS/ MSD	ID Corrections
460-212131-6	SO	20PERU-01-Z00-03	460-212131-122	06/26/2020 09:20			
460-212131-6	SO	20PERU-01-Z03-06	460-212131-123	06/26/2020 09:20			
460-212131-6	SO	20PERU-01-Z06-09	460-212131-124	06/26/2020 09:20			
460-212131-6	SO	20PERU-01-Z09-12	460-212131-125	06/26/2020 09:20	LR	MS	
460-212131-6	SO	20PERU-01-Z12-18	460-212131-126	06/26/2020 09:20			
460-212131-6	SO	20PERU-01-Z18-24	460-212131-127	06/26/2020 09:20			
460-212080-2	SO	20PERU-02-Z00-03	460-212080-19	06/24/2020 14:45			
460-212080-2	SO	20PERU-02-Z03-06	460-212080-20	06/24/2020 14:45			
460-212080-2	SO	20PERU-02-Z06-09	460-212080-21	06/24/2020 14:45			
460-212080-2	SO	20PERU-02-Z09-12	460-212080-22	06/24/2020 14:45			
460-212080-2	SO	20PERU-02-Z12-18	460-212080-23	06/24/2020 14:45			
460-212080-2	SO	20PERU-02-Z18-24	460-212080-24	06/24/2020 14:45			
460-212080-2	SO	20PERU-03-Z00-03	460-212080-25	06/24/2020 15:35			
460-212080-2	SO	20PERU-03-Z03-06	460-212080-26	06/24/2020 15:35			
460-212080-2	SO	20PERU-03-Z06-09	460-212080-27	06/24/2020 15:35			
460-212080-2	SO	20PERU-03-Z09-12	460-212080-28	06/24/2020 15:35	LR	MS	
460-212080-2	SO	20PERU-03-Z12-18	460-212080-29	06/24/2020 15:35			
460-212080-2	SO	20PERU-03-Z18-24	460-212080-30	06/24/2020 15:35			
460-212080-2	SO	20PERU-03-Z18-24-Q	460-212080-79	06/24/2020 15:35			
460-212080-2	SO	20PERU-04-Z00-03	460-212080-31	06/24/2020 15:25			
460-212080-2	SO	20PERU-04-Z03-06	460-212080-32	06/24/2020 15:25			
460-212080-2	SO	20PERU-04-Z06-09		06/24/2020 15:25			
460-212080-2	SO	20PERU-04-Z09-12	460-212080-34	06/24/2020 15:25			
460-212080-2	SO	20PERU-04-Z12-18	460-212080-35	06/24/2020 15:25			
460-212080-2	SO	20PERU-04-Z18-24	460-212080-36	06/24/2020 15:25			

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-6	SO	6010C	6	N
460-212080-2	SO	6010C	18	N
460-212080-2	SO	6010C	1	N

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project.  1 FD per 24 samples.  1 MS/MSD per 24 samples.  0 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

Arsenic/Lead by Method 6010C					
Description	Notes and Qualifiers				
Are any compounds present in method and field blanks as noted on Table 2?	No.				
For samples, if results are < 5 times the blank then "U" flag data.	N/A				
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.				
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead was recovered below the acceptance criteria in the MS for 20PERU-03-Z09-12. The parent sample result was J qualified as estimated.				
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.				
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.				
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.				
Are serial dilution within QC criteria? (see Table 5)	Yes.				
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.				
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.				
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.				
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.				
Were samples re-analyzed or diluted? (see Table 6)	No.				
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.				

# Concerns

 Lead was recovered below the acceptance criteria in the MS for 20PERU-03-Z09-12. The parent sample result was J qualified as estimated.

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

None.

### Table 2A - List of Samples Qualified for Method Blank Contamination

None.

# Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

None.

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	MS	MSD	Low Limit	High Limit	Sample Qualifier
6010D	20PERU-03-Z09-12	MS	Lead	148	44.5	62		75	125	J Flag

#### Table 3A – List of RPDs outside Control Limits

None.

#### Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

# Table 6 -Samples that were Re-analyzed or Diluted

None.

Table 7 – Summary of Field Duplicate Results

Me	ethod	Analyte	Unit	Matrix	PQL	20PERU-03-Z18-24	20PERU-03-Z18-24-Q	RPD	RPD Rating	Sample Qual
60	)10C	Arsenic	mg/kg	SO	2.6	6.1	9.7	45.6%	Good	None
60	)10C	Lead	mg/kg	SO	1.7	14.1	21.2	40.2%	Good	None

### Acronym List and Table Key:

COC = chain of custody

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample

LR = Laboratory replicate

MB = method blank MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	boratory Sample Delivery Group	
Test America, Edison	460-212131-2	Remedial Design

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
460-212131-2	SO	24PERU-01-Z00-03	460-212131-8	06/26/2020 09:15			
460-212131-2	SO	24PERU-01-Z03-06	460-212131-9	06/26/2020 09:15			
460-212131-2	SO	24PERU-01-Z06-09	460-212131-10	06/26/2020 09:15			
460-212131-2	SO	24PERU-01-Z09-12	460-212131-11	06/26/2020 09:15			
460-212131-2	SO	24PERU-01-Z12-18	460-212131-12	06/26/2020 09:15			
460-212131-2	SO	24PERU-01-Z18-24	460-212131-13	06/26/2020 09:15			
460-212131-2	SO	24PERU-02-Z00-03	460-212131-14	06/26/2020 09:00			
460-212131-2	SO	24PERU-02-Z00-03-Q	460-212131-180	06/26/2020 09:00			
460-212131-2	SO	24PERU-02-Z03-06	460-212131-15	06/26/2020 09:00			
460-212131-2	SO	24PERU-02-Z06-09	460-212131-16	06/26/2020 09:00			
460-212131-2	SO	24PERU-02-Z09-12	460-212131-17	06/26/2020 09:00			
460-212131-2	SO	24PERU-02-Z12-18	460-212131-18	06/26/2020 09:00			
460-212131-2	SO	24PERU-02-Z18-24	460-212131-19	06/26/2020 09:00	LR	MS	
460-212131-2	SO	24PERU-03-Z00-03	460-212131-20	06/26/2020 09:05			
460-212131-2	SO	24PERU-03-Z03-06	460-212131-21	06/26/2020 09:05			
460-212131-2	SO	24PERU-03-Z06-09	460-212131-22	06/26/2020 09:05			
460-212131-2	SO	24PERU-03-Z09-12	460-212131-23	06/26/2020 09:05			
460-212131-2	SO	24PERU-03-Z12-18	460-212131-24	06/26/2020 09:05			
460-212131-2	SO	24PERU-03-Z18-24	460-212131-25	06/26/2020 09:05			

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-2	SO	6010D	18	N
460-212131-2	SO	6010D	1	FD

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project.  1 FD per 18 samples.  1 MS/MSD per 18 samples.  0 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 27, 2020	Completed by: Eridania Marte				

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	Yes.
For samples, if results are < 5 times the blank then "U" flag data.	Lead was detected in CCB 460-707040/17. The CCB was associated with MB sample which was non-detect. No qualification was made.
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.  Were elements recovered ≤30%? If so, "R" flag associated NDs.	No. Lead was recovered below the acceptance criteria in the MS for sample 24PERU-02-Z18-24. The parent sample result was J qualified as estimated. No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.
Were samples re-analyzed or diluted? (see Table 6)	No.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

# Concerns

Lead was recovered below the acceptance criteria in the MS for sample 24PERU-02-Z18-24.
 The parent sample result was J qualified as estimated.

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

None.

Method	Sample ID	Sample Type	Analyte	Result	Qualifier	Units	MDL	PQL
6010D	460-707040/17	CCB	Lead	2.94	J	ug/L	2.35	10

# **Table 2A - List of Samples Qualified for Method Blank Contamination** None.

# **Table 2B - List of Samples Qualified for Field Blank Contamination** None.

### Table 3 - List of MS/MSD Recoveries outside Control Limits

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	MS	MSD	Low Limit	High Limit	Sample Qualifier
6010D	24PERU-02-Z18-24	MS	Lead	76.4	49.8	66		75	125	J Flag

### Table 3A - List of RPDs outside Control Limits

None.

#### Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

# Table 6 -Samples that were Re-analyzed or Diluted

None.

## Table 7 - Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	24PERU-02-Z00-03	24PERU-02-Z00-03-Q	RPD	RPD Rating	Sample Qual
6010D	Arsenic	mg/kg	SO	3.5	15	16.7	10.7%	Good	None
6010D	Lead	mg/kg	SO	2.4	890	1080	19.3%	Good	None

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample LR = Laboratory replicate

MB = method blank
MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 27, 2020	Completed by: Eridania Marte				

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory		Sample Delivery Group	Task Code
	Test America, Edison	460-212131-1	Remedial Design

					l ab	MS/	ID
Work Order	Matrix	Sample ID	Lab ID	Sample Date			Corrections
460-212131-1	SO	26PERU-01-Z00-03	460-212131-128	06/26/2020 08:45			
460-212131-1	SO	26PERU-01-Z03-06	460-212131-129	06/26/2020 08:45			
460-212131-1	SO	26PERU-01-Z06-09	460-212131-130	06/26/2020 08:45			
460-212131-1	SO	26PERU-01-Z09-12	460-212131-131	06/26/2020 08:45			
460-212131-1	SO	26PERU-01-Z12-18	460-212131-132	06/26/2020 08:45			
460-212131-1	SO	26PERU-01-Z18-24	460-212131-133	06/26/2020 08:45			
460-212131-1	SO	26PERU-02-Z00-03	460-212131-134	06/26/2020 08:55			
460-212131-1	SO	26PERU-02-Z03-06	460-212131-135	06/26/2020 08:55			
460-212131-1	SO	26PERU-02-Z06-09	460-212131-136	06/26/2020 08:55			
460-212131-1	SO	26PERU-02-Z06-09-Q	460-212131-179	06/26/2020 08:55			
460-212131-1	SO	26PERU-02-Z09-12	460-212131-137	06/26/2020 08:55			
460-212131-1	SO	26PERU-02-Z12-18	460-212131-138	06/26/2020 08:55			
460-212131-1	SO	26PERU-02-Z18-24	460-212131-139	06/26/2020 08:55			
460-212131-1	SO	26PERU-03-Z00-03	460-212131-140	06/26/2020 10:58			
460-212131-1	SO	26PERU-03-Z03-06	460-212131-141	06/26/2020 10:58			
460-212131-1	SO	26PERU-03-Z06-09	460-212131-142	06/26/2020 10:58			
460-212131-1	SO	26PERU-03-Z09-12	460-212131-143	06/26/2020 10:58			
460-212131-1	SO	26PERU-03-Z12-18	460-212131-144	06/26/2020 10:58			
460-212131-1	SO	26PERU-03-Z18-24	460-212131-145	06/26/2020 10:58			
460-212131-1	SO	26PERU-04-Z00-03	460-212131-146	06/26/2020 11:13			
460-212131-1	SO	26PERU-04-Z03-06	460-212131-147	06/26/2020 11:13			
460-212131-1	SO	26PERU-04-Z06-09	460-212131-148	06/26/2020 11:13			
460-212131-1	SO	26PERU-04-Z09-12	460-212131-149	06/26/2020 11:13			
460-212131-1	SO	26PERU-04-Z12-18	460-212131-150	06/26/2020 11:13			
460-212131-1	SO	26PERU-04-Z18-24	460-212131-151	06/26/2020 11:13			
460-212131-1	SO	26PERU-05-Z00-03	460-212131-1	06/26/2020 11:30			
460-212131-1	SO	26PERU-05-Z03-06	460-212131-2	06/26/2020 11:30			

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 27, 2020	Completed by: Eridania Marte				

Work Order	Matrix	Sample ID	Lab ID	Sample Date	MS/ MSD	ID Corrections
460-212131-1	SO	26PERU-05-Z03-06-Q	460-212131-7	06/26/2020 11:30		
460-212131-1	SO	26PERU-05-Z06-09	460-212131-3	06/26/2020 11:30		
460-212131-1	SO	26PERU-05-Z09-12	460-212131-4	06/26/2020 11:30		
460-212131-1	SO	26PERU-05-Z12-18	460-212131-5	06/26/2020 11:30		
460-212131-1	SO	26PERU-05-Z18-24	460-212131-6	06/26/2020 11:30		
480-185707-1	SO	26PERU-04-Z24-30	480-185707-1	06/07/21 14:20		
480-185707-1	SO	26PERU-04-Z30-36	480-185707-2	06/07/21 14:20		·
480-185707-1	SO	26PERU-NPL-ASH	480-185707-3	06/07/21 14:26		

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-1	SO	6010D	30	N
460-212131-1	SO	6010D	2	N
480-185707-1	SO	6010D	3	N

General Sample Information							
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.						
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.						
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 2 FD per 33 samples. 2 MS/MSD per 33 samples. 0 rinsate blank.						
Case narrative present and complete?	Yes.						
Any holding time violations?	No.						

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are < 5 times the blank then "U" flag data.	N/A
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead was recovered below the acceptance limit in MS for sample 26PERU-02-Z03-06. The parent sample result was J qualified as estimated.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.
Were samples re-analyzed or diluted? (see Table 6)	No.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

# Concerns

 Lead was recovered below the acceptance limit in MS for sample 26PERU-02-Z03-06. The parent sample result was J qualified as estimated.

Data Usability Summary Report	Project: 837 Bailey Offsite				
Date Completed: July 27, 2020	Completed by: Eridania Marte				

None.

# Table 2A - List of Samples Qualified for Method Blank Contamination

None.

# Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

		Sample		Orig.	Spike			Low	High	Sample
Method	Sample ID	Туре	Analyte	Result	Amount	MS	MSD	Limit	Limit	Qualifier
6010D	26PERU-02-Z03-06	MS	Lead	196	54.2	48		75	125	J Flag

#### Table 3A - List of RPDs outside Control Limits

Method	Sample ID	Analyte	RPD	RPD Limit	Sample Qualifier
6010D	26PERU-02-Z03-06	Lead	64	20	J Flag

### Table 4 - List of LCS Recoveries outside Control Limits

None.

### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

# Table 6 -Samples that were Re-analyzed or Diluted

Sample Name	Matrix	Method	Sample Type		# of Chemicals	Dil. Factor	Test Type	Notes
26PERU- NPL-ASH	so	6010D	N	Y	1	5	INITIAL	Initial analysis performed at 5X dilution due to the presence of total iron which interferes with lead.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	26PERU-02-Z06-09	26PERU-02-Z06-09-Q	RPD	RPD Rating	Sample Qual
6010D	Arsenic	mg/kg	SO	2.7	7.2	9.4	26.5%	Good	None
6010D	Lead	mg/kg	SO	1.8	41	54	27.4%	Good	None

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

Method	Analyte	Unit	Matrix	PQL	26PERU-05-Z03-06	26PERU-05-Z03-06-Q	RPD	RPD Rating	Sample Qual
6010D	Arsenic	mg/kg	SO	3.8	11.5	10.7	7.2%	Good	None
6010D	Lead	mg/kg	SO	2.5	487	514	5.4%	Good	None

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample LR = Laboratory replicate

MB = method blank
MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory		Sample Delivery Group	Task Code
	Test America, Edison	460-212131-4	Remedial Design

Work Order	Matrix	Sample ID	Lab ID	Sample Date		MS/ MSD	ID Corrections
460-212131-4		28PERU-01-Z00-03		06/25/2020 14:25			
460-212131-4	SO	28PERU-01-Z03-06		06/25/2020 14:25			
460-212131-4	SO	28PERU-01-Z06-09	460-212131-76	06/25/2020 14:25			
460-212131-4	SO	28PERU-01-Z09-12	460-212131-77	06/25/2020 14:25			
460-212131-4	SO	28PERU-01-Z12-18	460-212131-78	06/25/2020 14:25			
460-212131-4	SO	28PERU-01-Z18-24	460-212131-79	06/25/2020 14:25			
460-212131-4	SO	28PERU-02-Z00-03	460-212131-80	06/25/2020 15:50			
460-212131-4	SO	28PERU-02-Z03-06	460-212131-81	06/25/2020 15:50			
460-212131-4	SO	28PERU-02-Z06-09	460-212131-82	06/25/2020 15:50			
460-212131-4	SO	28PERU-02-Z09-12	460-212131-83	06/25/2020 15:50			
460-212131-4	SO	28PERU-02-Z12-18	460-212131-84	06/25/2020 15:50			
460-212131-4	SO	28PERU-02-Z18-24	460-212131-85	06/25/2020 15:50			
460-212131-4	SO	28PERU-03-Z00-03	460-212131-86	06/25/2020 14:40			
460-212131-4	SO	28PERU-03-Z03-06	460-212131-87	06/25/2020 14:40			
460-212131-4	SO	28PERU-03-Z06-09	460-212131-88	06/25/2020 14:40			
460-212131-4	SO	28PERU-03-Z09-12	460-212131-89	06/25/2020 14:40			
460-212131-4	SO	28PERU-03-Z12-18	460-212131-90	06/25/2020 14:40	LR	MS	
460-212131-4	SO	28PERU-03-Z18-24	460-212131-91	06/25/2020 14:40			
460-212131-4	SO	28PERU-03-Z18-24-Q	460-212131-177	06/25/2020 14:40			
460-212131-4	SO	28PERU-04-Z00-03	460-212131-92	06/25/2020 15:35			
460-212131-4	SO	28PERU-04-Z03-06	460-212131-93	06/25/2020 15:35			
460-212131-4	SO	28PERU-04-Z06-09	460-212131-94	06/25/2020 15:35			
460-212131-4	SO	28PERU-04-Z09-12	460-212131-95	06/25/2020 15:35			
460-212131-4	SO	28PERU-04-Z12-18	460-212131-96	06/25/2020 15:35			
460-212131-4	SO	28PERU-04-Z18-24	460-212131-97	06/25/2020 15:35			

Data Usability Summary Report	Project: 837 Bailey Offsite		
Date Completed: July 27, 2020	Completed by: Eridania Marte		

SDG Matrix		Test Method	Number of Samples	Sample Type
460-212131-4	SO	6010C	24	N
460-212131-4	SO	6010C	1	FD

General Sample Information					
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.				
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.				
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project.  1 FD per 24 samples.  1 MS/MSD per 24 samples.  0 rinsate blank.				
Case narrative present and complete?	Yes.				
Any holding time violations?	No.				

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 27, 2020	Completed by: Eridania Marte

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are < 5 times the blank then "U" flag data.	N/A
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	Yes.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.
Were samples re-analyzed or diluted? (see Table 6)	No.
Do field duplicate results show good precision for all compounds (see Table 7)?	No. Sample 28PERU-03-Z18-24 and duplicate exhibited poor precision for lead. The sample results were J qualified as estimated.

# Concerns

 Sample 28PERU-03-Z18-24 and duplicate exhibited poor precision for lead. The sample results were J qualified as estimated.

Data Usability Summary Report	Project: 837 Bailey Offsite		
Date Completed: July 27, 2020	Completed by: Eridania Marte		

None.

### Table 2A - List of Samples Qualified for Method Blank Contamination

None.

## Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

None.

#### Table 3A - List of RPDs outside Control Limits

None.

### Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

### Table 6 -Samples that were Re-analyzed or Diluted

None.

Table 7 - Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	28PERU-03-Z18-24	28PERU-03-Z18-24-Q	RPD	RPD Rating	Sample Qual
6010C	Arsenic	mg/kg	SO	3.5	11.3	9	22.7%	Good	None
6010C	Lead	mg/kg	SO	2.3	82.2	28.9	95.9%	Poor	J Flag

# **Acronym List and Table Key**:

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

Data Usability Summary Report	Project: 837 Bailey Offsite		
Date Completed: July 27, 2020	Completed by: Eridania Marte		

LCS = laboratory control sample

LR = Laboratory replicate

MB = method blank MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory		Sample Delivery Group	Task Code
	Test America, Edison	460-212131-5	Remedial Design

					Lab	MS/	ID
Work Order	Matrix	Sample ID	Lab ID	Sample Date	QC		Corrections
460-212131-	SO						
5		32PERU-01-Z00-03	460-212131-98	06/25/2020 14:15			
460-212131-	so	0005011.04.700.00	400 040404 00	00/05/0000 44 45			
5		32PERU-01-Z03-06		06/25/2020 14:15			
460-212131- 5	SO	32PERU-01-Z06-09	460-212131- 100	06/25/2020 14:15			
460-212131-			460-212131-				
5	SO	32PERU-01-Z09-12	101	06/25/2020 14:15			
460-212131-	SO		460-212131-				
5	3	32PERU-01-Z12-18	102	06/25/2020 14:15			
460-212131-	so		460-212131-				
5	30	32PERU-01-Z18-24	103	06/25/2020 14:15			
460-212131-	so		460-212131-				
5		32PERU-02-Z00-03	104	06/25/2020 15:40			
460-212131-	SO	0005011.00.700.00	460-212131-	00/05/0000 45 40			
5		32PERU-02-Z03-06	105	06/25/2020 15:40			
460-212131- 5	SO	32PERU-02-Z06-09	460-212131- 106	06/25/2020 15:40			
460-212131-		32PERU-02-200-09	460-212131-	00/23/2020 13.40			
5	SO	32PERU-02-Z09-12	107	06/25/2020 15:40	LR	MS	
460-212131-	SO		460-212131-				
5	80	32PERU-02-Z12-18	108	06/25/2020 15:40			
460-212131-	so	32PERU-02-Z12-18-	460-212131-				
5	30	Q	178	06/25/2020 15:40			
460-212131-	so		460-212131-				
5	- 50	32PERU-02-Z18-24	109	06/25/2020 15:40			
460-212131-	so		460-212131-				
5		32PERU-03-Z00-03	110	06/25/2020 14:45			
460-212131- 5	so	32PERU-03-Z03-06	460-212131- 111	06/25/2020 14:45			
460-212131-	00		460-212131-				
5	SO	32PERU-03-Z06-09	112	06/25/2020 14:45			

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Work Order	Motrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
Work Order 460-212131-		Sample ID	460-212131-	Sample Date	QC	MISD	Corrections
5	SO 32PERU-03-Z09-12			06/25/2020 14:45			
460-212131-	SO		460-212131-				
5	00	32PERU-03-Z12-18		06/25/2020 14:45			
460-212131- 5	SO	32PERU-03-Z18-24	460-212131- 115	06/25/2020 14:45			
460-212131-		02. 2.(0 00 2.0 2.	460-212131-	06/26/2620 1 1110			
5	SO	32PERU-04-Z00-03	116	06/25/2020 15:30			
460-212131-	so		460-212131-				
5		32PERU-04-Z03-06	117	06/25/2020 15:30			
460-212131- 5	so	32PERU-04-Z06-09	460-212131- 118	06/25/2020 15:30			
460-212131-		321 LIKO 04 200 03	460-212131-	00/20/2020 10:50			
5	SO	32PERU-04-Z09-12		06/25/2020 15:30			
460-212131-	SO		460-212131-				
5	30	32PERU-04-Z12-18		06/25/2020 15:30			
460-212131-	so	220001104 740 04	460-212131-	00/05/0000 45:00			
5		32PERU-04-Z18-24	121	06/25/2020 15:30 06/11/2021			
480-185986- 1	SO	32PERU-05-Z0-03	480-185986-1	12:05			
480-185986-		321 LIKO-03-20-03	400-103700-1	06/11/2021			
1	so	32PERU-05-Z03-06	480-185986-2	12:05			
480-185986-		02. 2.10 00 200 00		06/11/2021			
1	SO	32PERU-05-Z06-09	480-185986-3	12:05			
480-185986-	20			06/11/2021			
1	SO	32PERU-05-Z09-12	480-185986-4	12:05			
480-185986-	so			06/11/2021		MS/	
1	30	32PERU-05-Z12-18	480-185986-5	12:05		MSD	
480-185986-	so			06/11/2021			
1		32PERU-05-Z18-24	480-185986-6	12:05			
480-185986-	so	2205011.07.70.02	400 105007 7	06/11/2021			
1		32PERU-06-Z0-03	480-185986-7	10:10			
480-185986-	SO	32PERU-06-Z03-06	480-185986-8	06/11/2021			
480-185986-		32F LNU-00-203-00	400-103700-0	10:10 06/11/2021			
1	SO	32PERU-06-Z06-09	480-185986-9	10:10			
480-185986-		021 ERO 00 200 07	100 100 700 7	06/11/2021			
1	SO	32PERU-06-Z09-12	480-185986-10	10:10			
480-185986-	00			06/11/2021			
1	SO	32PERU-06-Z12-18	480-185986-11	10:10			
480-185986-	so			06/11/2021			
1		32PERU-06-Z18-24	480-185986-12	10:10			
480-185986-	SO	32PERU-06-Z18-24-					
2		Q	480-185986-20	6/11/2021 12:10			
480-185986-	so	00050/1.5/	400 40	06/11/2021			
1		32PERU-06-Z24-30	480-185986-13	10:10			

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-5	SO	6010C	24	N
460-212131-5	SO	6010C	1	FD
460-212131-5	SO	6010C	1	MS
480-185986-1	SO	6010C	13	N
480-185986-1	SO	6010C	1	FD
480-185986-1	SO	6010C	1	MS/MSD

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project.  1 FD per 37 samples.  2 MS/MSD per 37 samples.  0 rinsate blank.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B) MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	No.
For samples, if results are < 5 times the blank then "U" flag data.	N/A
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead was recovered below the acceptance criteria in the MS for sample 32PERU-02-Z09-12. The parent sample result was greater than 4X the spike amount. No qualification was made.
	Lead was recovered above the acceptance criteria in the MSD for sample 32PERU-05-Z12-18. The result was J qualified as estimated.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.
Were samples re-analyzed or diluted? (see Table 6)	No.
Do field duplicate or laboratory duplicate results show good precision for all compounds (see Table 7 or Table 3A)?	No. The laboratory sample pair for sample 32PERU-02-Z12-18 exhibited poor precision for lead and arsenic. Arsenic sample result was less than 2X the PQL, therefore; no qualification was made. The sample result for lead was J qualified as estimated.

# Concerns

- The laboratory sample pair for sample 32PERU-02-Z12-18 exhibited poor precision for lead. The sample result was J qualified as estimated.
- Lead was J qualified in sample 32PERU-05-Z12-18 due to high recovery in the MSD.

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

None.

# Table 2A - List of Samples Qualified for Method Blank Contamination

None.

# Table 2B - List of Samples Qualified for Field Blank Contamination

None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	MS	MSD	Low Limit	High Limit	Sample Qualifier
6010D	32PERU-02-Z09-12	MS	Lead	698	57.2	-1013		75	125	None – 4X
6010D	32PERU-05-Z12-18	MS	Lead	145	46.7	117	145	75	125	J Flag

#### Table 3A - List of RPDs outside Control Limits

Method	Sample ID	Analyte	RPD	RPD Limit	Sample Qualifier
6010D	32PERU-02-Z09-12	Arsenic	22	20	None
6010D	32PERU-02-Z09-12	Lead	151	20	J Flag

### Table 4 - List of LCS Recoveries outside Control Limits

None.

#### Table 5 - List of Serial Dilution Recoveries outside Control Limits

None.

## Table 6 -Samples that were Re-analyzed or Diluted

None.

#### Table 7 - Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	32PERU-02-Z12-18	32PERU-02-Z12-18-Q	RPD	RPD Rating	Sample Qual
6010D	Arsenic	mg/kg	SO	3.3	9.6	8.7	9.8%	Good	None
6010D	Lead	mg/kg	SO	2.2	176	137	24.9%	Good	None

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Method	Analyte	Unit	Matrix	PQL	32PERU-06-Z18-24	32PERU-06-Z18-24-Q	RPD	RPD Rating	Sample Qual
6010C	Arsenic	mg/kg	Solid	2.4	5.3	5.3	0.0%	Good	None
6010C	Lead	mg/kg	Solid	1.2	96.2	97.1	0.9%	Good	None

COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample

LR = Laboratory replicate
MB = method blank

MS = matrix spike

MSD = matrix spike duplicate

N = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

#### Reference:

Laboratory	Sample Delivery Group	Task Code
Test America, Edison Test America, Buffalo	460-212131-3 480-185986-2 480-188170-1	Remedial Design

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
460-212131-3	so	36PERU-01-Z00-03	460-212131-26	06/25/2020 14:05			
460-212131-3	so	36PERU-01-Z03-06	460-212131-27	06/25/2020 14:05			
460-212131-3	so	36PERU-01-Z06-09	460-212131-28	06/25/2020 14:05			
460-212131-3	so	36PERU-01-Z09-12	460-212131-29	06/25/2020 14:05			
460-212131-3	SO	36PERU-01-Z12-18	460-212131-30	06/25/2020 14:05			
460-212131-3	SO	36PERU-01-Z18-24	460-212131-31	06/25/2020 14:05			
460-212131-3	SO	36PERU-02-Z00-03	460-212131-32	06/25/2020 14:00			
460-212131-3	SO	36PERU-02-Z03-06	460-212131-33	06/25/2020 14:00			
460-212131-3	SO	36PERU-02-Z06-09	460-212131-34	06/25/2020 14:00			
460-212131-3	SO	36PERU-02-Z06- 09-Q	460-212131- 174	06/25/2020 14:00			
460-212131-3	so	36PERU-02-Z09-12	460-212131-35	06/25/2020 14:00			
460-212131-3	so	36PERU-02-Z12-18	460-212131-36	06/25/2020 14:00			
460-212131-3	so	36PERU-02-Z18-24	460-212131-37	06/25/2020 14:00			
460-212131-3	so	36PERU-03-Z00-03	460-212131-38	06/25/2020 16:05			
460-212131-3	so	36PERU-03-Z03-06	460-212131-39	06/25/2020 16:05	LR	MS	

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
460-212131-3	so	36PERU-03-Z06-09	460-212131-40	06/25/2020 16:05			
460-212131-3	so	36PERU-03-Z09-12	460-212131-41	06/25/2020 16:05			
460-212131-3	so	36PERU-03-Z12-18	460-212131-42	06/25/2020 16:05			
460-212131-3	so	36PERU-03-Z18-24	460-212131-43	06/25/2020 16:05			
460-212131-3	so	36PERU-04-Z00-03	460-212131-44	06/25/2020 15:15	LR	MS	
460-212131-3	so	36PERU-04-Z03-06		06/25/2020 15:15			
460-212131-3	so	36PERU-04-Z03- 06-Q	460-212131- 175	06/25/2020 15:15			
460-212131-3	so	36PERU-04-Z06-09	460-212131-46	06/25/2020 15:15			
460-212131-3	so	36PERU-04-Z09-12	460-212131-47	06/25/2020 15:15			
460-212131-3	so	36PERU-04-Z12-18	460-212131-48	06/25/2020 15:15			
460-212131-3	so	36PERU-04-Z18-24	460-212131-49	06/25/2020 15:15			
460-212131-3	so	36PERU-05-Z00-03	460-212131-50	06/25/2020 15:00			
460-212131-3	so	36PERU-05-Z03-06	460-212131-51	06/25/2020 15:00			
460-212131-3	so	36PERU-05-Z06-09	460-212131-52	06/25/2020 15:00			
460-212131-3	so	36PERU-05-Z09-12	460-212131-53	06/25/2020 15:00			
460-212131-3	so	36PERU-05-Z12-18	460-212131-54	06/25/2020 15:00			
460-212131-3	so	36PERU-05-Z18-24	460-212131-55	06/25/2020 15:00			
460-212131-3	so	36PERU-06-Z00-03	460-212131-56	06/25/2020 15:20			
460-212131-3	so	36PERU-06-Z03-06	460-212131-57	06/25/2020 15:20			
460-212131-3	so	36PERU-06-Z06-09	460-212131-58	06/25/2020 15:20			
460-212131-3	so	36PERU-06-Z09-12	460-212131-59	06/25/2020 15:20			
460-212131-3	SO	36PERU-06-Z12-18	460-212131-60	06/25/2020 15:20			
460-212131-3	SO	36PERU-06-Z18-24	460-212131-61	06/25/2020 15:20			
460-212131-3	so	36PERU-07-Z00-03	460-212131-62	06/25/2020 14:50			
460-212131-3	so	36PERU-07-Z00- 03-Q	460-212131- 176	06/25/2020 14:50			

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
460-212131-3	so	36PERU-07-Z03-06	460-212131-63	06/25/2020 14:50			
460-212131-3	so	36PERU-07-Z06-09	460-212131-64	06/25/2020 14:50			
460-212131-3	so	36PERU-07-Z09-12	460-212131-65	06/25/2020 14:50			
460-212131-3	so	36PERU-07-Z12-18	460-212131-66	06/25/2020 14:50			
460-212131-3	so	36PERU-07-Z18-24	460-212131-67	06/25/2020 14:50	LR	MS	
460-212131-3	so	36PERU-08-Z00-03	460-212131-68	06/25/2020 16:35			
460-212131-3	so	36PERU-08-Z03-06	460-212131-69	06/25/2020 16:35			
460-212131-3	so	36PERU-08-Z06-09	460-212131-70	06/25/2020 16:35			
460-212131-3	so	36PERU-08-Z09-12	460-212131-71	06/25/2020 16:35			
460-212131-3	so	36PERU-08-Z12-18	460-212131-72	06/25/2020 16:35			
460-212131-3	so	36PERU-08-Z18-24	460-212131-73	06/25/2020 16:35			
480-185986-2	so	36PERU-09-Z0-03	480-185986-14	06/11/2021 11:25			
480-185986-2	so	36PERU-09-Z03-06	480-185986-15	06/11/2021 11:25			
480-185986-2	so	36PERU-09-Z06-09	480-185986-16	06/11/2021 11:25			
480-185986-2	so	36PERU-09-Z09-12	480-185986-17	06/11/2021 11:25			
480-185986-2	so	36PERU-09-Z12-18	480-185986-18	06/11/2021 11:30			
480-185986-2	so	36PERU-09-Z18-24	480-185986-19	06/11/2021 11:30		MS/ MSD	
480-185986-2	so	36PERU-09-Z12- 18-Q	480-185986-21	06/11/2021 11:30			
480-185986-2	so	36PERU-08-Z0-03	480-185986-22	06/11/2021 11:00			
480-185986-2	SO	36PERU-08-Z03-06	480-185986-23	06/11/2021 11:00			
480-185986-2	SO	36PERU-08-Z06-09	480-185986-24	06/11/2021 11:00			
480-185986-2	so	36PERU-08-Z09-12	480-185986-25	06/11/2021 11:08			
480-188170-1	CA	36 Peru NPL-Ash	480-188170-1	08/09/2021 11:41			

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-3	SO	6010C	48	N

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

SDG	Matrix	Test Method	Number of Samples	Sample Type
460-212131-3	SO	6010C	3	FD
480-185986-2	SO	6010C	11	N
480-185986-2	SO	6010C	1	FD
480-185986-2	SO	6010C	1	MS/MSD
480-188170-1	CA	6010C	1	N

General Sample Information								
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes.							
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.							
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	The frequency of field QC will be evaluated at the end of project. 4 FD per 60 samples. 4 MS/MSD per 60 samples. 0 rinsate blank.							
Case narrative present and complete?	Yes.							
Any holding time violations?	No.							

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2, 2A, and 2B)
- MS/MSD Outside Limits (Table 3 and 3A)
- LCS Outside Limits (Table 4)
- Serial Dilution Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Arsenic/Lead by Method 6010C	
Description	Notes and Qualifiers
Are any compounds present in method and field blanks as noted on Table 2?	Yes.
For samples, if results are < 5 times the blank then "U" flag data.	Lead was detected in CCB 460-707040/17. There were no associated samples; therefore, no qualification was made.
Is laboratory QC frequency one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Are MS/MSD within QC criteria (see Table 3)? QC limits are not applicable to sample results greater than 4 times spike amount. All N flagged data for MS are flagged J as estimated.	No. Lead was recovered below the acceptance criteria in the MS for samples 36PERU-07-Z18-24 and 36PERU-02-Z03-06. The sample results were J qualified as estimated.
Were elements recovered ≤30%? If so, "R" flag associated NDs.	No.
Is LCS within QC criteria (see Table 4)? If out, and the recovery high with no positive values, then no data qualification is required.	Yes.
Is there one serial dilution per 20 samples? Flag all data reported with an "E" as "J".	Yes.
Are serial dilution within QC criteria? (see Table 5)	Yes.
Spot check ICS recoveries 80-120%. Contact lab if unacceptable.	Yes.
Spot check ICV 90-110%. Contact lab if unacceptable.	Yes.
Spot check CCV 90-110%. Contact lab if unacceptable.	Yes.
Spot check ICVL/CCVL 70-130%. Contact lab if unacceptable.	Yes.
Were samples re-analyzed or diluted? (see Table 6)	No.
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

# Concerns

- Lead was recovered below the acceptance criteria in the MS for samples 36PERU-07-Z18-24 and 36PERU-02-Z03-06. The sample results were J qualified as estimated.
- Sample 36-Peru-NPL-Ash was diluted by five fold for lead.

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

Method	Sample ID	Sample Type	Analyte	Result	Qualifier	Units	MDL	PQL
6010D	460-707040/17	CCB	Lead	2.94	J	ug/L	2.35	10

# **Table 2A - List of Samples Qualified for Method Blank Contamination** None.

# **Table 2B - List of Samples Qualified for Field Blank Contamination** None.

#### Table 3 - List of MS/MSD Recoveries outside Control Limits

		Sample		Orig.	Spike			Low	High	Sample
Method	Sample ID	Type	Analyte	Result	Amount	MS	MSD	Limit	Limit	Qualifier
6010D	36PERU-07-Z18-24	MS	Lead	99.8	61.9	69		75	125	J Flag
6010D	36PERU-02-Z03-06	MS	Lead	174	44.7	42		75	125	J Flag
6010D	36PERU-09-Z18-24	MS	Lead	340	49.9	62	1215	75	125	None – 4X

#### Table 3A - List of RPDs outside Control Limits

Method	Sample ID	Analyte	RPD	RPD Limit	Sample Qualifier
6010D	36PERU-07-Z18-24	Lead	41	20	J Flag
6010D	36PERU-09-Z18-24	Lead	90	20	None – 4X

# **Table 4 - List of LCS Recoveries outside Control Limits**None.

# **Table 5 - List of Serial Dilution Recoveries outside Control Limits** None.

Table 6 -Samples that were Re-analyzed or Diluted

Sample ID	Lab ID	Method	Sample Type	Action
36 Peru NPL- Ash	480-188170-1	6010D	N	Initial analysis diluted by 5x for lead.

Table 7 - Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	36PERU-02-Z06-09	36PERU-02-Z06-09-Q	RPD	RPD Rating	Sample Qual
6010C	Arsenic	mg/kg	SO	3.2	12.8	11.2	13.3%	Good	None

Data Usability Summary Report	Project: 837 Bailey Offsite
Date Completed: July 28, 2020	Completed by: Eridania Marte

6010C	Lead	mg/kg	SO	2.2	130	138	6.0%	Good	None
-------	------	-------	----	-----	-----	-----	------	------	------

Method	Analyte	Unit	Matrix	PQL	36PERU-04-Z03-06	36PERU-04-Z03-06-Q	RPD	RPD Rating	Sample Qual
6010C	Arsenic	mg/kg	SO	3.1	7.3	7.6	4.0%	Good	None
6010C	Lead	mg/kg	SO	2.1	66.7	64.7	3.0%	Good	None

Method	Analyte	Unit	Matrix	PQL	36PERU-07-Z00-03	36PERU-07-Z00-03-Q	RPD	RPD Rating	Sample Qual
6010C	Arsenic	mg/kg	SO	3.8	14.6	17	15.2%	Good	None
6010C	Lead	mg/kg	SO	2.5	555	615	10.3%	Good	None

Method	Analyte	Unit	Matrix	PQL	36PERU-09-Z12-18	36PERU-09-Z12-18-Q	RPD	RPD Rating	Sample Qual
6010C	Arsenic	mg/kg	Solid	2.6	20.3	19.7	3.0%	Good	None
6010C	Lead	mg/kg	Solid	1.3	522	510	2.3%	Good	None

Acronym List and Table Key:
COC = chain of custody

DUSR = data usability summary report

FD = Field duplicate

LCS = laboratory control sample

LR = Laboratory replicate

= method blank MB = matrix spike MS

MSD = matrix spike duplicate

Ν = Normal sample ND = not detected

NYSDEC = New York State Department of Environmental Conservation

PDS = Post-digestion spike PQL = practical quantitation limit

Data Usability Summary Report	Project: 837 Bailey Offsite			
Date Completed: July 28, 2020	Completed by: Eridania Marte			

QA = quality assurance

QAPP = quality assurance project plan

QC = quality control RB = Rinsate blank