AECOM Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
September 2022

Periodic Review Report
June 15, 2017 through June 15, 2022

KORKAY, Inc.
Fulton County
Broadalbin New York
Site No. 5-18-014

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Qualified Environmental Professional Certification

For each institutional or engineering control identified for the site, I certify that all of the following statements are true:

a) the institutional control and/or engineering control employed at this site is unchanged from the date the control was put in place, or last approved by DER;

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

c) nothing has occurred that would constitute a violation or failure to comply with any Site Management Plan for this control; and,

d) access to the site will continue to be provided to DER to evaluate the remedy, including access to evaluate the continued maintenance of this control.

Respectfully submitted,

AECOM USA, Inc.

Walter O. Howard, P.G. 9/16/2022

Walter O. Howard, QEP
Registered Professional Geologist (NY)
(New York License No. 000710)

Date

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Acronyms and Abbreviations

AS	Air Sparging
AWQS	New York State Ambient Water Quality Standards and Guidance Values
bgs	Below Grade Surface
COCs	Contaminants of Concern
DER-10	NYSDEC Technical Guidance for Site Investigation and Remediation
EC	Engineering Controls
EN	Environmental Notice
FFS	Focused Feasibility Study
FS	Feasibility Study
ft	Foot/Feet
HAL	USEPA Health Advisory Limit
IC	Institutional Controls
ISCO	*In Situ* Chemical Oxidation
Korkay	Korkay, Incorporated
ng/L	Nanograms per Liter
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Conservation
NYSDOH	New York State Department of Health
OM&M	Operations, Maintenance and Monitoring
ORC	Oxygen Releasing Compound
PAH	Polynuclear Aromatic Hydrocarbon Compound
PCE	Tetrachloroethene
PFAS	Perfluorinated Alkyl Substances
PFBA	Perfluorobutanoic acid
PfHpA	Perfluoroheptanoic acid
PFHxA	Perfluorohexanoic acid
PFNA	Perfluorononanoic acid
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
PFPeA	Perfluoropentanoic acid
PGWGV	October 6, 2021 NYSDEC Proposed Groundwater Guidance Value
PRR	Periodic Review Report
RI	Remedial Investigation
ROD	Record of Decision
RSO	Remedial System Optimization
SCGs	Standards, Criteria And Guidance Values
SCO	Soil Cleanup Objective

SMP	Site Management Plan
SVE	Soil Vapor Extraction
SVI	Soil Vapor Intrusion
SVOCs	Semivolatile Organic Compound
TOGS	NYSDEC Technical and Operational Guidance Series
TVOCs	Total Volatile Organic Compounds
µg/Kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
µg/M^3	Micrograms per Cubic Meter
USEPA	United States Environmental Protection Agency
VEWs	Vapor Extraction Wells
VOCs	Volatile Organic Compounds

Executive Summary

This Periodic Review Report (PRR) has been prepared for the Korkay, Incorporated (Korkay) Site (Site No. 518014). The PRR provides periodic documentation of the controls implemented for the Site as well as the inspections and monitoring activities conducted at the Site, as required by the Site Management Plan (SMP) (AECOM, November 2016). A draft update to the SMP (Revision No. 1) was submitted to the New York State Department of Environmental Conservation (NYSDEC) on July 20, 2022 (AECOM, 2022a), which primarily updates the Monitoring and Sampling Plan for the Korkay Site. The reporting period covered in this PRR is June 16, 2017, through June 15, 2022. This PRR was prepared by AECOM under Work Assignment number D009803-17.

Korkay supplied products to the automotive industry from 1969 to 1980 that resulted in the discharge of chemicals and contamination of soil and groundwater. A Record of Decision (ROD) was entered by the NYSDEC in March 1996. The selected remedy, including removal of grossly contaminated surface soil, installation and operation of a soil vapor extraction (SVE) and air sparge (AS) system and annual groundwater monitoring, was completed between 1997 and 2003.

Post-remediation groundwater sampling results indicated that groundwater in the former source area remained contaminated in excess of applicable standards. Additional soil and groundwater investigations conducted between 2007 and 2013 identified that the contamination was more widespread on site than previously known and extended off-Site.

An Environmental Notice (EN) for the Site was filed with Fulton County on January 25, 2013 (Appendix A).

A supplemental remedial action, consisting of in-situ chemical oxidation (ISCO) injection, was conducted in October 2015. The purpose of the ISCO injection was to attempt to further remediate residual soil and groundwater contamination to meet the remedial goals established for the Site.

The SMP (AECOM, November 2016) specifies that 6 wells will be monitored on a quarterly basis to provide the data to evaluate the effectiveness of the ISCO injection program. In addition, all monitoring wells at the Site will be sampled every five quarters to monitor plume conditions. One quarterly post-ISCO injection sampling event (June 2017) was conducted during this reporting period. This was the final quarterly post-ISCO injection sampling event conducted under the SMP. Two site-wide 5-quarter groundwater sampling events (May 2019 and June 2021) were also conducted during this reporting period. At the request of NYSDEC, and as stipulated in the updated SMP - Revision 1 (AECOM, 2022a), samples collected during the May 2019 and the June 2021 events were analyzed for Perfluorinated Alkyl Substances (PFAS), including Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS), and 1,4-Dioxane, in addition to the contaminants of concern (COCs). Also, under the SMP – Revision 1 (AECOM, 2022a), surface water and sediment sampling in Kennyetto Creek is also conducted as part of the annual (5-quarter) groundwater sampling events, and biennial soil vapor intrusion (SVI) sampling is to be conducted in seven structures located adjacent to the Korkay Site.

Compliance with each required component of the SMP and the remedy performance evaluation for this reporting period are summarized as follows:

- This PRR includes certification that the IC/ECs complied with the requirements of the EN. A copy of the IC/EC certification is included in Appendix B.
- The monitoring and reporting requirements stipulated in the SMP were met.
- The groundwater data generated during this PRR monitoring period demonstrates that groundwater contamination persists in some of the same areas as discussed in previous PRRs. The data show that the lateral extent of significant contaminant concentrations (i.e., greater than 1,000 µg/L) has decreased since administering the ISCO treatment, however the concentration in the former source area in the southwest quadrant of the Site remains relatively static and significantly above AWQS.
- Residual chemicals from the 2015 ISCO injection (i.e., persulfate and ORC) in the treatment area is depleted and will promote no further aerobic degradation of the contaminant mass.
- In one or more sampling events during the reporting period, PFOA and/or PFOS were detected in groundwater samples from all seventeen shallow monitoring wells at concentrations that exceeded NYSDEC's October 6, 2021, proposed groundwater guidance values (PGWGVs) of 6.7 nanograms per liter (ng/L) and 2.7 ng/L, respectively. It is important to note the probability that the past introduction of aerobic bioremediation alternatives at the Site, including air sparging and ISCO, potentially triggered PFAS precursors to transform to and terminate as PFOA/PFOS. The discovery of high concentrations of PFOA/PFOS will present additional challenges to further remediating the groundwater plume.
- 1,4-dioxane was not detected in groundwater samples during the reporting period, except for an estimated and B-qualified (also detected in the associated method blank sample) result in one deep well sample. Based on this, this emergent contaminant does not appear to have impacted groundwater quality at the Korkay Site.
- Results from the June 2021 sampling event indicate that groundwater contamination at and downgradient of the Korkay Site does not appear to currently have an impact on Kennyetto Creek sediment and surface water quality.
- A survey of private water supply wells that may be present within approximately one-half mile or less of the Korkay Site was conducted during the PRR reporting period. There were no private water wells identified in the survey area.

AECOM recommends the following:

- Annual periodic review is recommended in order to determine the compliance of the facility with the EC/IC's in place.
- Continue sampling and reporting in accordance with the SMP to monitor the groundwater plume and its potential for impact to receptors.
- Continue to monitor and evaluate changes in groundwater quality for evidence of contaminant reduction during future quarterly sampling events. The review of changes in groundwater quality and additional recommendations will be provided as deemed necessary.
- Continue to follow the requirements of the SMP, in accordance with current DER-10 guidance, to assure that appropriate and comprehensive Site management is completed throughout the remaining post-remediation monitoring period.
- Consider conducting an evaluation of treatment alternatives to address the PFOA/PFOS in groundwater.

1.0 Site Overview

This Periodic Review Report (PRR) has been prepared for the Korkay, Incorporated Site (Site No. 5-18-014). The Korkay Site is located at 70 West Main Street in the Village of Broadalbin, Fulton County, New York (Figure 1). The PRR provides periodic documentation of the controls implemented for the Site as well as the inspections and monitoring activities conducted at the Site, as required by the Site Management Plan (SMP) (AECOM, November 2016). The reporting period covered in this report is June 15, 2017, through June 15, 2022. This PRR was prepared by AECOM under NYSDEC Work Assignment number D009803-17.

The Village of Broadalbin, approximately one square mile in size, is located almost entirely within the limits of the Town of Broadalbin. The Site is approximately 0.9 acres in size. Land uses surrounding the Site include a lumber yard and residences to the north, a residence to the west, a church to the east, and West Main Street to the south (Figure 2). Kenneyetto Creek is the nearest surface water body, located approximately 600 feet south of the Site.

Korkay supplied products to the automotive industry from 1969 to 1980 that resulted in the discharge of chemicals and contamination of soil and groundwater. NYSDEC and the New York State Department of Health (NYSDOH) inspected the Site in 1979 and documented the occurrence of these activities. NYSDEC conducted a Site inspection in 1992, at which time numerous drums of hazardous waste were found and secured for removal. A Remedial Investigation (RI) and Feasibility Study (FS) of the Site were conducted between 1993 and 1995.

A Record of Decision (ROD) was issued in March 1996 that set forth the following remediation goals for the Site:

1. To eliminate, to the greatest extent possible, on-Site soils as a source of groundwater contamination.
2. To eliminate or reduce human exposure to on-Site soil contamination.

To accomplish these goals, based upon the results of the RI/FS and the evaluation of alternatives, the NYSDEC selected: excavation and off-Site disposal of the top six inches of contaminated surface soil; backfilling excavated areas with clean, compacted and re-vegetated soil; installation and operation of a soil vapor extraction (SVE) system, with an optional air sparging (AS) system or Site dewatering; imposition of deed restrictions to exclude the use of Site groundwater; and Site environmental monitoring for five years.

Site closure criteria include reducing concentrations of the Contaminants of Concern (COCs) in soil and groundwater to below applicable Standards, Criteria and Guidance values (SCGs). The COCs as identified in the ROD include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and pesticides. The SCGs for soil are the relevant NYSDEC Soil Cleanup Objectives (SCOs) based on regulation 6 NYCRR Part 375-6 (Part 375). The Unrestricted Use SCOs are the most conservative and provide for protection of groundwater, human health and the environment, and are considered appropriate for Site soils. NYSDEC's long-term goal for groundwater is to reduce COC concentrations "to the extent practical based on technological limitations" to below SCGs. The SCGs for groundwater are the NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1) Ambient

Water Quality Standards and Guidance Values, dated October 22, 1993, with June 1998 and January 1999 updates (AWQS).

Site remediation was initiated in 1997 with the building demolition and remediation of contaminated surface soils. Operation of the SVE system began in November 1998. The NYSDEC assumed responsibility for Site operations In July 2000, and discontinued operation of the SVE system in 2003.

Results of post-remediation groundwater sampling conducted through 2003 indicated that COC concentrations in groundwater in the former source area had decreased but remained well above relevant SCGs.

A remedial system optimization (RSO) with a focused feasibility study (FFS) was completed in 2008 in order to determine an effective mechanism to address the residual contamination in the saturated soil and groundwater. The RSO report recommended the removal of soil from an approximate 3,200 sq. ft. area near the former source area and SVE/AS system.

A soil boring program was conducted in 2010 to further delineate soil impacts for the planned soil removal (AECOM, 2010). Field and laboratory data collected during that investigation indicated that widespread subsurface soil impacts remained at the Site and that in comparison to the FFS, over 11,000 cubic yards of contaminated soil would need to be excavated and disposed off-Site. Based on the findings, it was determined that additional soil excavation would not be a cost-effective measure to further remediate soil and groundwater contamination at the Site; recommendations were made for additional investigation to define the extent of off-Site impacts and for soil gas vapor intrusion sampling to be considered for properties near the Site.

An Environmental Notice (EN) for the Site was filed with Fulton County on January 25, 2013 (Appendix A).

Groundwater sampling events performed in January 2012 and June 2013 demonstrated that groundwater contamination persisted in some of the same areas as discussed in the 1988 RI report, primarily beneath the southwest quadrant of the Site, in the former source area; groundwater results from the deep wells at the Site continued to be below relevant SCGs. Groundwater investigations were conducted in July 2014 and August 2015 to further delineate and characterize on-Site and off-Site groundwater impacts. In September 2015, 8 additional shallow monitoring wells (MW-17 through MW-24) were installed to aid in monitoring the nature and extent of groundwater impacts on and off Site.

A supplemental remedial action, consisting of in-situ chemical oxidation (ISCO) injection, was conducted in October 2015. The purpose of the ISCO injection was to attempt to further remediate residual soil and groundwater contamination to meet the remedial goals established for the Site. The remediation included the installation of 95 injection points. The oxidant that was used was activated persulfate, specifically, PersulfOx® from Regenesis Remediation Services. This oxidant has been shown to effectively reduce VOC mass and has been shown to degrade some pesticides as well. PersulfOx® is a catalyzed persulfate which does not require any additional activation. The PersulfOx® was applied concurrently with oxygen release compound Advanced (ORC-A®), a product that provides a sustained release of oxygen which will allow for polishing of COCs through aerobic bioremediation.

Under the SMP (AECOM, 2016), twenty monitoring wells at the Site (Figure 2) are sampled on an approximate annual (5-Quarter) basis to evaluate trends in groundwater quality through the Site

management phase. An annual (5-quarter) groundwater sampling event was conducted in October 2015, one week before the ISCO injection, and thus provided baseline groundwater quality data against which post-ISCO injection groundwater monitoring results would be compared. The results of that sampling documented the extent of the groundwater contaminant plume in the shallow aquifer.

Also, under the SMP, in addition to the 5-quarter monitoring program, post-ISCO groundwater sampling was conducted on a quarterly basis between December 2015 and June 2017 to evaluate the effects of the October 2015 ISCO remedial action performed in October 2015. Six monitoring wells (ASW, MW-17, MW-18, MW-21, MW-22, and MW-23) were sampled during these events. The annual (5-quarter) sampling event conducted in March 2017 coincided with and therefore also served as the Spring 2017 post-ISCO quarterly sampling event. While field activities associated with the last post-ISCO quarterly sampling event were completed on June 3, 2017 (i.e., during the previous PRR reporting period), the data for that event (submitted in a report to NYSDEC in October 2017) was not available for inclusion in the previous PRR (June 15, 2017) and therefore is presented in Section 2 of this PRR.

Beginning with the March 2017 groundwater sampling event, under an update to the SMP, groundwater samples are now analyzed for Perfluorinated Alkyl Substances (PFAS), including Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS), and 1,4-Dioxane, in addition to the COCs. A draft updated SMP (Revision No. 1) was submitted to NYSDEC on July 20, 2022 (AECOM, 2022a), which expanded the scope of annual (5-quarter) groundwater sampling events to include PFAS and 1,4-dioxane, along with the Site COCs, in the analytical parameters list. The updated SMP also added the sampling of surface water and sediment in Kennyetto Creek (also for the Site COCs, PFAS, and 1,4-dioxane) as part of future annual (5-quarter) sampling events. Kennyetto Creek is an NYSDEC Class C stream that flows generally to the southwest, passing approximately 500 feet south of the Korkay Site. The updated SMP also added the performance of biennial soil vapor intrusion (SVI) sampling in seven structures located adjacent to the Korkay Site.

Between July 2020 and January 2022, under Work Assignment No. D009803-17, AECOM assisted NYSDEC and NYSDOH to complete a survey of private water supply wells that may be present within approximately one-half mile or less of the Korkay Site. The intent was to identify and sample wells that may be a potential receptor of impacted groundwater associated with the Korkay Site. From the survey, NYSDOH identified just one property that potentially had a water-supply well, a commercial parcel located at 15 Finch Street, Broadalbin, NY. AECOM visited the property on January 27, 2021, and it was vacant. AECOM observed a fire hydrant at the property entrance indicating the building on the property was potentially serviced by municipal water supply. Following the site visit, AECOM spoke to the property owner by phone. The owner confirmed the property is supplied municipal water and stated that he was not aware of any private well on the property. In summary, there were no private water wells identified in the survey area.

2.0 Evaluation of Remedy Performance, Effectiveness and Protectiveness

This section presents a summary of the effectiveness of the remedy in achieving the remedial goals for the Site.

2.1 Description of Monitoring Activities Completed

One quarterly post-ISCO groundwater sampling event was conducted during this reporting period, in June 2017. The results of the sampling event were submitted in a draft report to NYSDEC on October 4, 2017 (AECOM, 2017). Two annual (5-quarter) groundwater sampling events were conducted during this reporting period, including one in May 2019 and the second in June 2021.The results from the May 2019 5-quarter sampling event were submitted in a report to NYSDEC during the reporting period (AECOM, 2019a).

During the June 2021 5-quarter groundwater sampling event, in accordance with the updated SMP (AECOM 2022a), surface water and sediment samples were collected at three locations in Kennyetto Creek. The locations (SW-1/SED-1, SW-2/SED-2 and SW-3/SED-3) are shown in Figure 3. Sample locations SW/SED-2 and SW/SED-3 were anticipated to be located where groundwater that migrates from beneath the Korkay Site has the greatest potential to discharge to the creek. SW/SED-1 was considered to represent an upstream (background) location. The surface water and sediment samples collected in June 2021 were analyzed for the expanded COC list (VOCs, SVOCs, organochlorine pesticides, PFAS and 1,4-dioxane), with one exception; the sediment samples collected in June 2021 were not analyzed for PFAS and therefore AECOM resampled sediment at the three Kennyetto Creek locations (Figure 3) for PFAS analysis on November 30, 2021. The results from the June 2021 annual (5-quarter) sampling event, including the sediment sampling conducted in November 2021, were submitted in a report to NYSDEC on August 31, 2022 (AECOM, 2022b).

Under the updated SMP (AECOM, 2022a), SVI sampling is to be conducted on a biennial basis at seven structures located adjacent to the Korkay Site. The purpose of the SVI sampling is to collect and evaluate air sample data for indications that VOC contamination in groundwater at the Korkay Site may pose a threat to the indoor air quality of these structures, via a soil vapor intrusion migration pathway. Two SVI sampling events were conducted during this reporting period. The first event was conducted in March 2019 and included sampling at six of the seven structures specified in the SMP; the owner of one structure (Structure 7) did not permit access for sampling during this event. The results from the March 2019 SVI sampling event were submitted in a report to NYSDEC in July 2019 (AECOM, 2019b). The second event was conducted in March 2022 and included sampling at four of the seven structures specified in the SMP; for a variety of reasons, the owners of three structures (Structures 1, 6 and 7) would not permit sampling to be conducted. The results from the March 2022 SVI sampling event were submitted in a report to NYSDEC on August 1, 2022 (AECOM, 2022c). Note that due to precautions over entering homes and businesses during the COVID-19 pandemic, this second sampling event was postponed such that it was conducted three years after the prior event whereas the SMP specifies the SVI sampling to be conducted on a biennial schedule.

2.2 Groundwater Monitoring Results

2.2.1 Groundwater Flow

Water level measurements were obtained from all monitoring wells at the beginning of each sampling event. Based on these readings, the water table depth ranges between approximately 4 and 7 feet below ground surface beneath the Site. These depth-to-water measurements were converted to water table elevations using top-of-casing elevations that were surveyed in November 2015. The groundwater elevation data was used to produce a water table contour map for each sampling event. The maps are included in the report for each event. All contour maps demonstrated the groundwater flow direction in the shallow water-bearing zone to be from northeast to southwest, as historically observed.

2.2.2 Groundwater Analytical Results

The analytical results for the May 2019 and June 2021 5-quarter sample events are presented with historical groundwater analytical results in Tables 1 and 2. Table 1 includes the results of all VOC, SVOC and organochlorine pesticide analyses conducted between 2007 and June 2021. Table 2 includes the PFAS and 1,4-Dioxane analytical results for the analyses conducted between March 2017 and June 2021; groundwater was not analyzed for these parameters prior to the March 2017 event.

In Table 1, concentrations above relevant AWQS are in a shaded cell with bold typeface for ease of identification. Bolded text alone indicates a detection of the compound above the method detection limit, but below the individual AWQS. Table 1 also includes the field parameter readings for dissolved oxygen (DO) and oxidation-reduction potential (ORP), and the persulfate test kit results, recorded during post-ISCO quarterly groundwater monitoring events. In Table 2, PFOA and PFOS groundwater analytical results are screened against NYSDEC's October 6, 2021, proposed groundwater guidance values (PGWGVs) of 6.7 nanograms per liter (ng/L) and 2.7 ng/L, respectively, and 1,4-Dioxane results are screened against the PGWGV of 0.35 micrograms per liter (μg/L). Analytical results that are greater than an associated PGWGV are in a shaded cell with bold typeface. Although the PFOA, PFOS and 1,4-Dioxane PGWGVs were not adopted until October 6, 2021, the pre-2021 analytical results in Table 2 are also screened against the PGWGVs to avoid confusion.

Volatile Organic Compounds

Isoconcentration contour maps of the TVOC concentrations reported for the shallow wells from the June 2017, May 2019 and the June 2021 sampling events are presented in Figures 4, 5 and 6, respectively. The maps show that the contaminant plume in the shallow aquifer extends from northeast to southwest across the Site with the highest concentrations (TVOCs above 1,000 μg/L) in the area between wells ASW and MW-23. For comparison purposes, TVOC isoconcentration contour maps from previous sampling events conducted between August 2007 and March 2017 (including the quarterly post-ISCO sampling events) are included in Appendix C.1. Review of the figures show that the lateral extent of significant TVOC plume concentrations (i.e., greater than 1,000 μg/L) has decreased somewhat since administering the ISCO treatment in October 2015, although the concentration in the former source area in the southwest quadrant of the Site has remained relatively static through this PRR reporting period.

Chart 1 depicts TVOC concentration trends to date in five wells located in the former source area (ASW, VEW-1, VEW-2, VEW-3 and VEW-4). The chart shows that during this PRR reporting period, TVOC concentrations decreased slightly in well ASW and remained fairly consistent in the

VEW wells. Overall, however, there has been no appreciable upward or downward trend in concentrations since the injection work.

Chart 2 includes six individual graphs (A – F). Each graph depicts contaminant concentration trends of three groups of VOCs at key monitoring well locations within the groundwater plume. The graphs depict concentration trends of the two VOC groups that historically have exhibited the highest fraction of TVOCs, including total xylenes and combined 1,2,4 trimethylbenzene and 1,3,5-trimethylbenzene (total trimethylbenzene). The graphs also depict the trends in total chlorinated volatile organic compounds (CVOCs) and show that CVOCs represent a relatively small fraction of detected VOCs. The locations and monitoring wells represented are listed on each graph and include: Graph A) Upgradient Site Boundary (MW-17); Graph B) Mid-Site Area (MW-18); Graph C) Western Cross-Gradient Site Boundary (MW-22); Graph D) Primary On-Site Source Area (ASW); Graph E) Downgradient Site Boundary (MW-23); and, Graph F) Downgradient Off-Site (MW-21). The graphs show that contaminant concentrations remained fairly consistent through this PRR monitoring period, with the exceptions that concentrations did increase notably during the last sampling event (June 2021) at both the upgradient site boundary (Graph A) and the downgradient site boundary (Graph E).

Semi-Volatile Organic Compounds and Organochlorine Pesticides

As shown in Table 1, the SVOC analytical results from the three sampling events for this PRR reporting period were similar to the previous sample results. In the 20 wells sampled, SVOCs were non-detect or detected at concentrations less than AWQS during both the May 2019 and the June 2021 sampling events in all wells except ASW (both the May 2019 and June 2021 sampling events), and wells VEW-1, VEW-3, MW-17 and MW-23 during the June 2021 sampling event. Naphthalene was the only compound reported above the guidance value in the ASW, VEW-3, MW-17, and MW-23 wells and concentrations were generally consistent with historical results. Phenol was the only compound reported above the guidance value in the VEW-1 well.

For the organochlorine pesticide sample results, during the May 2019 sampling event, none of the reported concentrations exceeded relevant AWQSs. During this event, three wells were found to have detections, all below the AWQSs (MW-15S, K-2, and MW-22). The rest of the wells sampled had no detections of organochlorine pesticides during the May 2019 sampling event. During the June 2021 sampling event reported sample concentrations of one or more organochlorine pesticide compounds exceeded relevant AWQSs in six wells, including: ASW (Aldrin and Dieldrin); K-2 (4,4-DDD, 4,4'-DDE, 4,4'-DDT, and Heptachlor Epoxide); VEW-1 (Aldrin, alpha-BHC, and beta-BHC); MW-17 (Aldrin and delta-BHC); MW-22 (Aldrin, alpha-BHC, delta-BHC, and Dieldrin); and, MW-23 (Aldrin and Dieldrin). Three other wells, MW-15S, K-3, and VEW-4, were found to have detections of organochlorine pesticides, but all were below the AWQSs. The rest of the wells sampled had no detections of organochlorine pesticides.

Perfluorinated Alkyl Substances (PFAS) and 1,4-Dioxane

The PFAS and 1,4-Dioxane groundwater sample analytical results from the June 2017, May 2019 and June 2021 sampling events are summarized in Table 2, along with the results from the previous March 2017 sampling event results. During the May 2019 monitoring event fifteen of the twenty samples had an exceedance of PFOA and/or PFOS, with concentrations as high as 2,100 ng/L (PFOS in well VEW-2). During the June 2021 monitoring event seventeen of the twenty samples had an exceedance of PFOA and/or PFOS, with concentrations as high as 1,300 ng/L (PFOS in well VEW-3). The highest PFOA/PFOS concentrations during both monitoring events were detected in wells located in the former source area, including K-2, and VEW-1 through VEW-4. Table 3 shows

that the concentrations of PFOA and/or PFOS in wells K-2, K-3, VEW-1 VEW-2, VEW-3, VEW-4, MW-21 and MW-22 during the June 2021 event were notably lower than the prior May 2019 event but increased slightly in upgradient wells MW-15S and MW-17 between the two events. Figure 7 shows the May 2019 PFOA and PFOS results for each well along with the inferred groundwater plume limit of PFOA and/or PFOS concentrations that exceeded the USEPA Health Advisory Limit (HAL) of 70 ng/L (screening value used prior to the NYSDEC's PGWGVs). Figure 8 shows the June 2021 PFOA and PFOS analytical results for each well and sample results that exceeded a PGWGV are highlighted yellow. For comparison purposes, the inferred PFOA/PFOS contaminant plume limit map from the March 2017 sampling event is included in Appendix C.2.

All wells were also sampled for 1,4-Dioxane as part of both the May 2019 and the June 2021 events. A summary of the results from both events are included on Table 2. During the May 2019 monitoring event there was only one detection of 1,4-Dioxane, and it was below the AWQS (well MW-8D at 0.24 µg/L). During the June 2021 monitoring event there were no detections of 1,4-Dioxane. Based on these results, 1,4-Dioxane is not considered to be of concern at the Site.

2.3 Kennyetto Creek Surface Water and Sediment Monitoring Results

2.3.1 Surface Water Analytical Results

The analytical results for the surface water samples collected during the June 2021 sampling event are presented in Tables 3 (VOC results), 4 (SVOC results), 5 (organochlorine pesticide results), and 6 (PFAS and 1,4-Dioxane results). The AWQSs are used as screening values of the results in Tables 3, 4, and 5 and the October 6, 2021, PGWGVs are used to screen the analytical results in Table 6.

As shown in Tables 3 and 4, there were no detections of VOCs or SVOCs in samples SW-1, SW-2, and SW-3. As shown in Table 5 there were no organochlorine pesticide compounds detected in SW-1. Low estimated concentrations of methoxychlor (0.018 J µg/L) were detected in samples SW-2, SW-3, and the field duplicate sample, and endrine ketone (0.016 J µg/L) in sample SW-3. These detected results were less than the relevant screening values.

As shown in Table 6, no PFAS compounds were detected in surface water samples SW-1 and SW-2. PFOA was detected in sample SW-3 and the SW-3 field duplicate samples at estimated concentrations of 0.9 J ng/L and 0.87 J ng/L, respectively. Both results were less than the PFOA PGWGV of 6.7 ng/L. Four other PFAS compounds, for which there are no PGWGVs, including Perfluoropentanoic acid (PFPeA), Perfluorohexanoic acid (PFHxA), Perfluoroheptanoic acid (PFHpA), and Perfluorononanoic acid (PFNA) were detected in sample SW-3 and/or the SW-3 duplicate sample at estimated concentrations ranging from 0.31 J ng/L and 0.48 J ng/L.

2.3.2 Sediment Analytical Results

The analytical results for the sediment samples collected in June 2021 and November 2021 are presented in Tables 7 (VOC results), Table 8 (SVOC results), Table 9 (organochlorine pesticide results), and Table 10 (PFAS and 1,4-Dioxane results). The analytical results in Tables 7, 8 and 9 are screened against the Freshwater Sediment Guidance Values take from: Screening and Assessment of Contaminated Sediment, NYSDEC, (2014). New York State does not currently have sediment guidance values for PFAS compounds and therefore there no screening values are used in Table 10.

As shown in Table 7, VOCs were not detected in the sediment samples (SED-1, SED-2 and SED-3) except for isopropyltoluene in sample SED-3 (38 μg/KG) and acetone in all three samples at estimated concentrations ranging from 8.5 J μg/KG and 35 J μg/KG. None of the detected results exceeded screening levels.

As shown in Table 8, a number of polynuclear aromatic hydrocarbon (PAH) compounds were detected in all three sediment samples. The total PAH concentration in samples SED-1 (892 J μg/KG), SED-2 (224 J μg/KG), SED-3 (996 J μg/KG) and the SED-2 field duplicate sample (714 J μg/KG) were well below the relevant screening value of 4,000 μg/KG. Each of the detected SVOCs were below the NYSDEC Guidance Values.

As shown in Table 9, the only organochlorine pesticide compound to be detected in the sediment samples was beta-BHC in the SED-2 field duplicate sample, at an estimated concentration 0.86 J μg/KG. There is no sediment screening value for this compound.

As shown in Table 10, there were two detections of PFAS compounds in the sediment samples. Perfluorobutanoic acid (PFBA) was detected at an estimated concentration of 0.078 J μg/KG in sample SED-1, and PFOS was detected at an estimated concentration of 0.12 J μg/KG in sample SED-2. No PFAS compounds were detected in downstream sample SED-3. There currently are no PFAS sediment screening values. 1,4-dioxane was not detected in samples SED-1 or SED-3 but was detected in sample SED-2 at a concentration of 7 μg/KG. There currently is not a sediment screening value for 1,4-dioxane.

2.3.3 Soil Vapor Intrusion Monitoring Results

SVI sampling events were conducted in March 2019 and March 2022. As described previously, property owners did not permit access for sampling Structure 7 during the March 2019 event, and Structures 1, 6 and 7 during the March 2022 event. The laboratory analytical results and conclusions from the two sampling events are summarized below.

March 2019

During the March 2019 SVI sampling event the sample results for five of the six structures were either not detected or less than an NYSDOH action level (Structure 1, Structure 3, Structure 4, Structure 5, and Structure 6). For the Structure 2 sample results, the laboratory reported a detection of methylene chloride at a concentration of 350 $\mu g/m^3$ in sample IA1 (basement indoor air) and 6.4 $\mu g/m^3$ in sample SS1 (sub-slab soil vapor). Comparison of these results to the NYSDOH May 2017 soil vapor intrusion decision matrices indicate a response action of “Identify source(s) and resample or mitigate.” AECOM believes the Structure 2 sample results reflected air quality that was impacted by the storage and/or prior usage of chemicals by the property owner in the basement.

March 2022

During the March 2022 SVI sampling event the sample results for three of the four structures were either not detected or less than an NYSDOH action level (Structure 2, Structure 3, and Structure 4). For the Structure 5 sample results, the laboratory reported a detection of tetrachloroethylene (PCE) at a concentration of 1,100 $\mu g/m^3$ in sample SS1 (sub-slab soil vapor) and 48 $\mu g/m^3$ in sample IA1 (first floor indoor air) and. Comparison of these results to the NYSDOH May 2017 soil vapor intrusion decision matrices indicated a response action of “Mitigate.” In the report for this sampling event (AECOM, 2022b), AECOM concluded that the PCE detected in the Structure 5 sub-slab soil vapor and indoor air samples may reflect on-going operations at this location and not impacts from the Korkay Site.

2.4 Summary of Groundwater Remedy Performance

Review of the May 2019 and June 2021 VOC groundwater data from the shallow monitoring wells demonstrates that groundwater contamination at the Korkay Inc. site persists in some of the same areas as discussed in the previous periodic review reports. The contaminant plume extends from northeast to southwest across the Site, with highest concentrations in the former source area (southwest quadrant of the Site). Review of the May 2019 and the June 2021 data in conjunction with historical data show that the lateral extent of significant TVOC plume concentrations (i.e., greater than 1,000 µg/L) has decreased since administering the ISCO treatment in March 2017, however the concentration in the former source area in the southwest quadrant of the Site remains relatively static and significantly above AWQS.

Groundwater results from the deep wells at the Site continue to be below AWQS, most likely a result of the confining clay layer found at approximately 12 to 14 feet below grade. A review of boring logs from the RI report and the soil borings completed by AECOM for the RSO in August 2007 suggests that this clay layer may be continuous beneath the site and may extend off-site as well.

In June 2021 one or more PFAS compounds were detected in samples from nineteen of twenty wells and PFOA and/or PFOS were detected in seventeen of twenty wells above the respective 6.7 ng/L and/or 2.7 ng/L PGWGVs. Wells with the highest reported concentrations are located in the former source area. Elevated concentrations in downgradient monitoring wells indicated potential migration of highly mobile PFAS contaminants towards the Site boundary. While the reported PFAS concentrations in most wells during this sampling event were similar to or slightly lower than the May 2019 sampling event results, the number of wells exhibiting an exceedance of relevant PFOA and/or PFOS screening levels has increased as a result of the use of the NYSDEC October 2021 PGWGVs. It should be noted that samples from all seventeen shallow monitoring wells exceeded the PFOA and/or PFOS PGWGV and as a result the lateral extent of PFAS impact in the shallow water-bearing zone is not delineated. It is important to note the probability that the past introduction of aerobic bioremediation alternatives at the Site, including air sparging and ISCO, potentially triggered PFAS precursors to transform to and terminate as PFOA/PFOS. The discovery of high concentrations of PFOA/PFOS will present additional challenges to further remediating the Korkay, Inc. Site plume.

None of the Kennyetto Creek surface water and sediment analytical results from the June 2021 sampling event, including the November 2021 sediment PFAS and 1,4-dioxane sample data, exceeded a relevant screening value. PFAS compounds were only detected in the downstream (SW-3) sample. While very low estimated concentrations of PFOA were detected in sample SW-3, PFOS was not detected in the SW-3 or SW-3 field duplicate sample. Since PFOS has historically been detected in the Korkay Site groundwater samples at concentrations at least twice that of PFOA, the analytical results indicate that the PFOA detected in surface water sample SW-3 is not related to the Korkay Site groundwater plume. In summary, the analytical results from the June 2021 sampling event indicated that groundwater contamination at and downgradient of the Korkay Site does not appear to currently have an impact on Kennyetto Creek sediment and surface water quality.

3.0 Institutional and Engineering Controls Plan Compliance Report

Since remaining contamination exists at the Site, Institutional Controls (ICs) and Engineering Controls (ECs) are required to protect human health and the environment. A detailed description of the ICs/ECs and procedures for evaluating the compliance as part of Site inspections and periodic review are included in the SMP. This section describes IC/EC compliance for this reporting period.

3.1 Institutional and Engineering Controls Requirements and Compliance

ICs have been established for the Site to: (1) implement, maintain and monitor EC systems; (2) prevent future exposure to remaining contamination; and, (3) limit the use and development of the Site to commercial and industrial uses only. The ICs for the Site are specified in the EN filed with Fulton County on January 25, 2013 (Appendix A).

ECs for the Site are limited to maintaining the integrity of the groundwater monitoring wells so they remain reliable for collecting representative samples to monitor groundwater contaminant concentrations. Inspection of the monitoring wells is conducted as part of the Site-wide inspection, as described in Section 4.

Determination of compliance with the Institutional and Engineering controls at the Site is made based on the following criteria:

- The IC/ EC(s) applied at the Site are in place as documented in this report.
- Nothing has occurred that would impair the ability of such controls to protect the public health and the environment, or constitute a violation or failure to comply with any element of the SMP for such controls.
- Access to the Site will continue to be provided to the Department, to evaluate the remedy including access to evaluate the continued maintenance of such controls.

Currently certification that the Site IC/ECs are in compliance with the requirements stated above can be completed.

3.2 Institutional and Engineering Controls Certification Forms

The completed Institutional and Engineering Controls Certification form is included in Appendix B.

4.0 Monitoring Plan Compliance Report

4.1 Site Management Plan Reporting

As a requirement of the remedial program for the site, a Site Management Plan (SMP), (AECOM, 2016), was prepared to manage remaining contamination at the Site. The SMP includes a monitoring and sampling plan and reporting requirements. A draft update to the SMP (Revision No. 1) was submitted to NYSDEC on July 20, 2022 (AECOM, 2022a), which primarily updates the monitoring and sampling plan to include Kennyetto Creek surface water and sediment sampling and to add PFAS and 1,4-dioxane to the sample analyte list.

In accordance with the draft updated SMP – Revision 1 (AECOM, 2022a), the components of the monitoring plan include:

	Frequency	Method	Monitoring Locations
Site Wide Inspection	Annually	Visual Observation Form and photos	Site-wide
Groundwater Monitoring and Reporting	Every 5-Quarters	VOCs (8260B), SVOCs (8270C), Organochlorine Pesticides (8081A), PFAS/PFOA Compounds (527 Modified), 1,4-Dioxane (8270 SIM)	ASW, VEW-1, VEW-2, VEW-3, VEW-4, K-2, K-3, MW-8D, MW-8S, MW-15D, MW-15S, and MW-16D, MW-17 through MW-23
Surface Water and Sediment Monitoring	Every 5-Quarters	Surface Water and Sediment: VOCs (8260C), SVOCs (8270D), Organochlorine Pesticides (8081B), PFAS/PFOS Compounds (527 Modified), 1,4-Dioxane (8270 SIM) Sediment Only: TOC (Lloyd Kahn)	3 Locations Each
Soil Vapor Intrusion Monitoring	Biennially	VOCs (EPA Method TO-15)	7 Structures
Post-ISCO Groundwater Monitoring and Reporting	Quarterly through Fall 2017	VOCs (8260B), SVOCs (8270C), Organochlorine Pesticides (8081A)	ASW, MW-17, MW-18, MW-22, MW-23, MW-21

Monitoring and reporting requirements stipulated in the SMP were met for this PRR reporting period except as follows:

1. The June 2021 groundwater/surface water/sediment sampling event was conducted more than 5-quarters after the prior May 2019 sampling event because of delays completing a private well survey and to select accessible and acceptable surface water and sediment sampling locations and,

2. The March 2022 SVI sampling event was completed more than 2-years after the prior Mach 2019 SVI sampling event due to precautions over entering homes and businesses during the COVID-19 pandemic.

Even with these schedule exceedances, AECOM believes that the sampling completed during the reporting period was adequate to monitor the effectiveness of the Site remedy in accordance with the SMP.

4.1.1 Site Inspection

Site inspections for this reporting period were completed on May 13, 2019, and June 1, 2021. The completed Site inspection forms are provided in Appendix D. A photo log documenting surface casings and seals of the monitoring wells and site conditions during the inspection is provided in Appendix E.

4.1.2 Post-remediation Groundwater Monitoring

As stated above, the monitoring and reporting completed during the reporting period satisfied the requirements of the SMP. One quarterly post-ISCO groundwater sampling event (June 2017), two Site-wide 5-quarter groundwater sampling events (May 2019 and June 2021), one surface water and sediment sampling event (June/November 2021), and two SVI sampling events (March 2019 and March 2022) were conducted during this reporting period. The locations of the sampled wells are presented on Figure 2 and the location of surface water and sediment samples are presented in Figure 4. Details of each sampling event were included in sample event monitoring reports. A summary of the results from these events are discussed in Section 2 as part of the evaluation of the effectiveness of the Site remedy.

5.0 Operation, Maintenance and Monitoring Plan Compliance Report

The Site does not rely on any mechanical systems, such as groundwater treatment systems, sub-slab depressurization systems or AS/SVE system to protect public health and the environment. Therefore, the SMP currently does not include an Operations, Maintenance and Monitoring (OM&M) Plan. In the event that an enclosed building was to be constructed on the Site, a soil vapor intrusion (SVI) study would first be required to determine the potential for soil vapor to impact indoor air quality. Depending on the results of the study, the NYSDOH may require the building to be constructed with a sub-slab depressurization system.

6.0 Overall PRR Conclusions and Recommendations

Compliance with each required component of the SMP and the remedy performance evaluation for this reporting period are summarized as follows.

- This PRR includes certification that the IC/ECs complied with the requirements of the EN.
- The monitoring and reporting requirements stipulated in the SMP were met.
- The VOC groundwater data generated during this PRR monitoring period demonstrates that groundwater contamination persists in some of the same areas as discussed in previous PRRs. The data show that the lateral extent of significant TVOC plume concentrations (i.e., greater than 1,000 µg/L) has decreased since administering the ISCO treatment in October 2015, however the concentration in the former source area in the southwest quadrant of the Site remains relatively static and significantly above AWQS.
- Residual chemicals from the 2015 ISCO injection (i.e., persulfate and ORC) in the treatment area is depleted and will promote no further aerobic degradation of the contaminant mass.
- In one or more sampling events during the reporting period, PFOA and/or PFOS were detected in groundwater samples from all seventeen shallow monitoring wells at concentrations that exceeded relevant NYSDEC October 2021 PGWGVs. As a result, the lateral extent of PFAS impact in the shallow water-bearing zone is not delineated. It is important to note the probability that the past introduction of aerobic bioremediation alternatives at the Site, including air sparging and ISCO, potentially triggered PFAS precursors to transform to and terminate as PFOA/PFOS. The discovery of high concentrations of PFOA/PFOS will present additional challenges to further remediating the groundwater plume.
- 1,4-dioxane was not detected in groundwater samples during the reporting period, except for an estimated and B-qualified (also detected in the associated method blank sample) result in one deep well sample. Based on this, this emergent contaminant does not appear to have impacted groundwater quality at the Korkay Site.
- Results from the June 2021 sampling event indicate that groundwater contamination at and downgradient of the Korkay Site does not appear to currently have an impact on Kennyetto Creek sediment and surface water quality.
- A survey of private water supply wells that may be present within approximately one-half mile or less of the Korkay Site was conducted during the PRR reporting period. There were no private water wells identified in the survey area.

AECOM recommends the following:

- Annual periodic review is recommended in order to determine the compliance of the facility with the EC/IC's in place.

- Continue sampling and reporting in accordance with the SMP to monitor the groundwater plume and its potential for impact to receptors.
- Continue to monitor and evaluate changes in groundwater quality for evidence of contaminant reduction during future quarterly sampling events. The review of changes in groundwater quality and additional recommendations will be provided as deemed necessary.
- Continue to follow the requirements of the SMP, in accordance with current DER-10 guidance, to assure that appropriate and comprehensive Site management is completed throughout the remaining post-remediation monitoring period.
- Consider conducting an evaluation of treatment alternatives to address the PFOA/PFOS groundwater impacts.

7.0 References

AECOM, 2016. Korkay, Inc. Site Management Plan. November 22, 2016.

AECOM, 2017. Groundwater Monitoring Report (DRAFT), June 2017 Post-ISCO Quarterly Sampling Event. October 4, 2017.

AECOM, 2019a. Groundwater Monitoring Report, May 2019 5-Quarter Sampling Event. October 22, 2022.

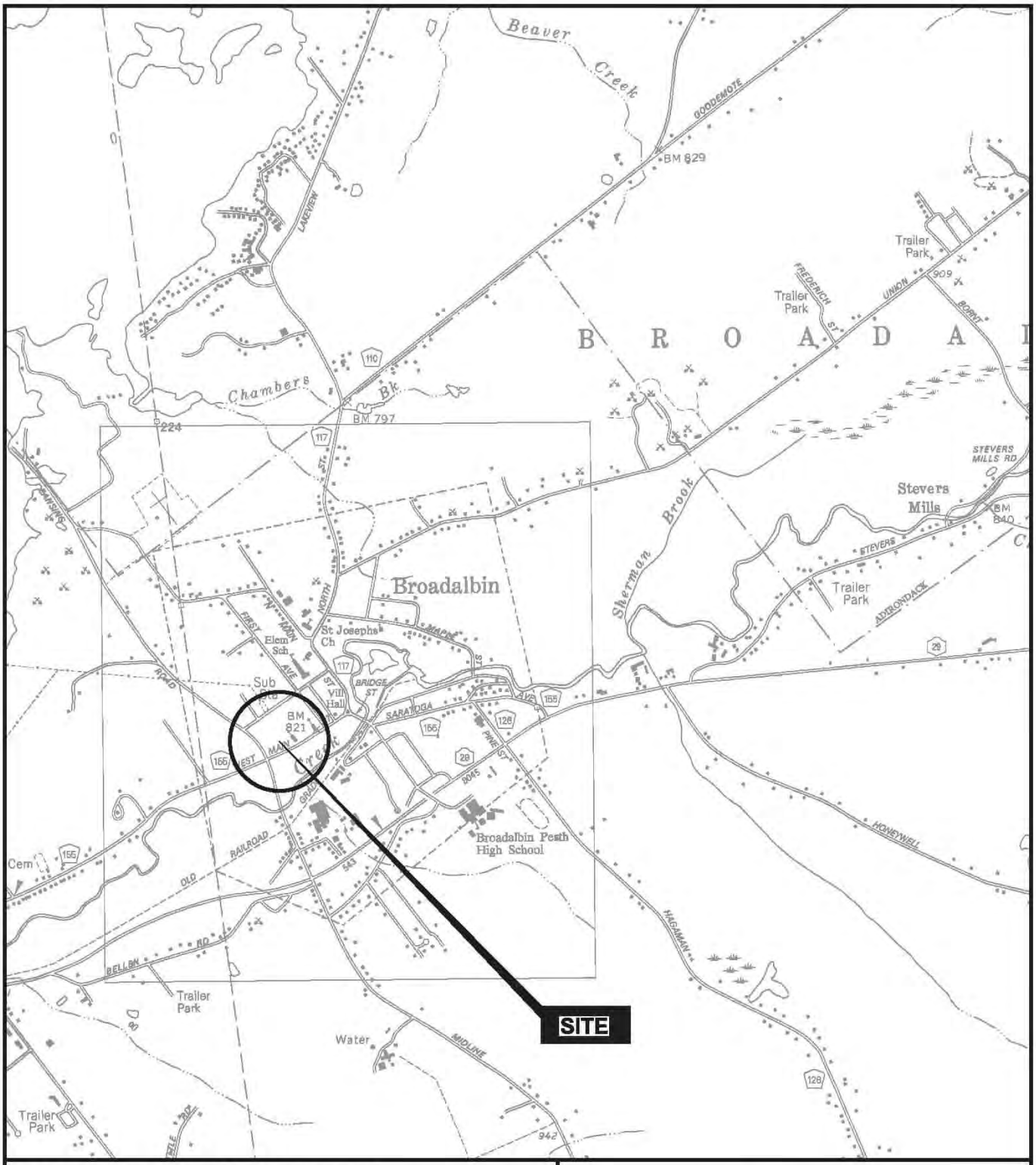
AECOM, 2019b. March 2019 Soil Vapor Intrusion Sampling Event Summary Report. July 12, 2019.

AECOM, 2022a. Korkay, Inc. Site Management Plan, Revision 1. July 20, 2022.

AECOM, 2022b. Groundwater, Surface Water, and Sediment Monitoring Report, June 2021 5-Quarter Sampling Event. August 31, 2022.

AECOM, 2022c. March 2022 Soil Vapor Intrusion Sampling Event Summary Report. August 1, 2022.

Figures



MAP REFERENCE: NYSDOT 7.5 MIN. QUADRANGLE
BROADALBIN SERIES

PLAN

AECOM

FIGURE 1

SITE LOCATION PLAN
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013	PROJECT NO.: 60273289

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

AECOM

Figure: 2

EXISTING CONDITIONS

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL

MW-15D
MW-15S
MW-17
MW-22
MW-18
MW-24
K-2
VEW-1
VEW-4
ASW
VEW-2
VEW-3
K-3
MW-16D
MW-23
MW-21
MW-20
MW-8S
MW-8D
MW-19

N 2ND ST
S 2ND ST
WEST MAIN STREET
WEST MAIN STREET

BM1:
RR SPIKE
NORTH SIDE PP #309
ELEV. - 818.61

LANDS N/F OF
PETER M. TWASZ
AND JILL M. PLUMADORE
INSTRUMENT #2013-21904
TM# 137.015-5-5

LANDS N/F OF
THE FIRST PRESBYTERIAN CHURCH
OF BROADALBIN
L. 551 P. 52
TM# 137.015-5-8.2

LANDS N/F OF
JAMES M. HAKE
L. 828 P. 212
TM# 137.015-5-26

PARCEL II
AREA = 1,922 SQ. FT. OR 0.04 ACRES ±

PARCEL I
AREA = 37,245 SQ. FT. OR 0.86 ACRES ±

LANDS N/F OF
WILLIAM J. HAYES III
INSTRUMENT #2015-32349
TM# 137.19-2-3

LANDS N/F OF
PERMA GLAZE CHEMICAL CORPORATION
L. 515 P. 238
TM# 137.015-5-25
AREA = 39,167 SQ. FT. OR 0.90 ACRES ±

LANDS N/F OF
THE FIRST PRESBYTERIAN CHURCH
OF BROADALBIN
L. 551 P. 505
TM# 137.015-5-24

0 60' 120'

MAP REFERENCE:
MAPPING BASED ON A PLAN TITLED TOPOGRAPHIC SURVEY OF
NYSDEC INACTIVE HAZARDOUS WASTE SITE NO. 5-18-014
70 WEST MAIN STREET, BROADALBIN, NEW YORK
COUNTY OF FULTON, STATE OF NEW YORK BY, M J ENGINEERING,
AND LAND SURVEYING, P.C., DATED SEPTEMBER 10 2015, LAST REVISED
11/13/2015, INCLUDING ALL NOTES AND REFERENCES THEREIN.

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: SEPTEMBER 2019

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Project Management Initials: Designer:____ Checked:____ Approved:____ ANSI B 11" x 17"

0
150'
300'

LEGEND
SW / SED SAMPLE LOCATION

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289
Date: JUNE 2022

KENNYETTO CREEK
SURFACE WATER (SW) AND SEDIMENT (SED)
SAMPLING LOCATIONS
June/November 2021 Sampling Event

AECOM

Figure: 3

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

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AECOM

Figure: 4

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
JUNE 13, 2017

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: SEPTEMBER 2017

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

0 60' 120'

Project Management Initials: ____ Designer: ____ Checked: ____ Approved: ____ ANSI B 11" x 17"

AECOM

Figure: 5

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
MAY 13, 2019

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: SEPTEMBER 2019

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

0 60' 120'

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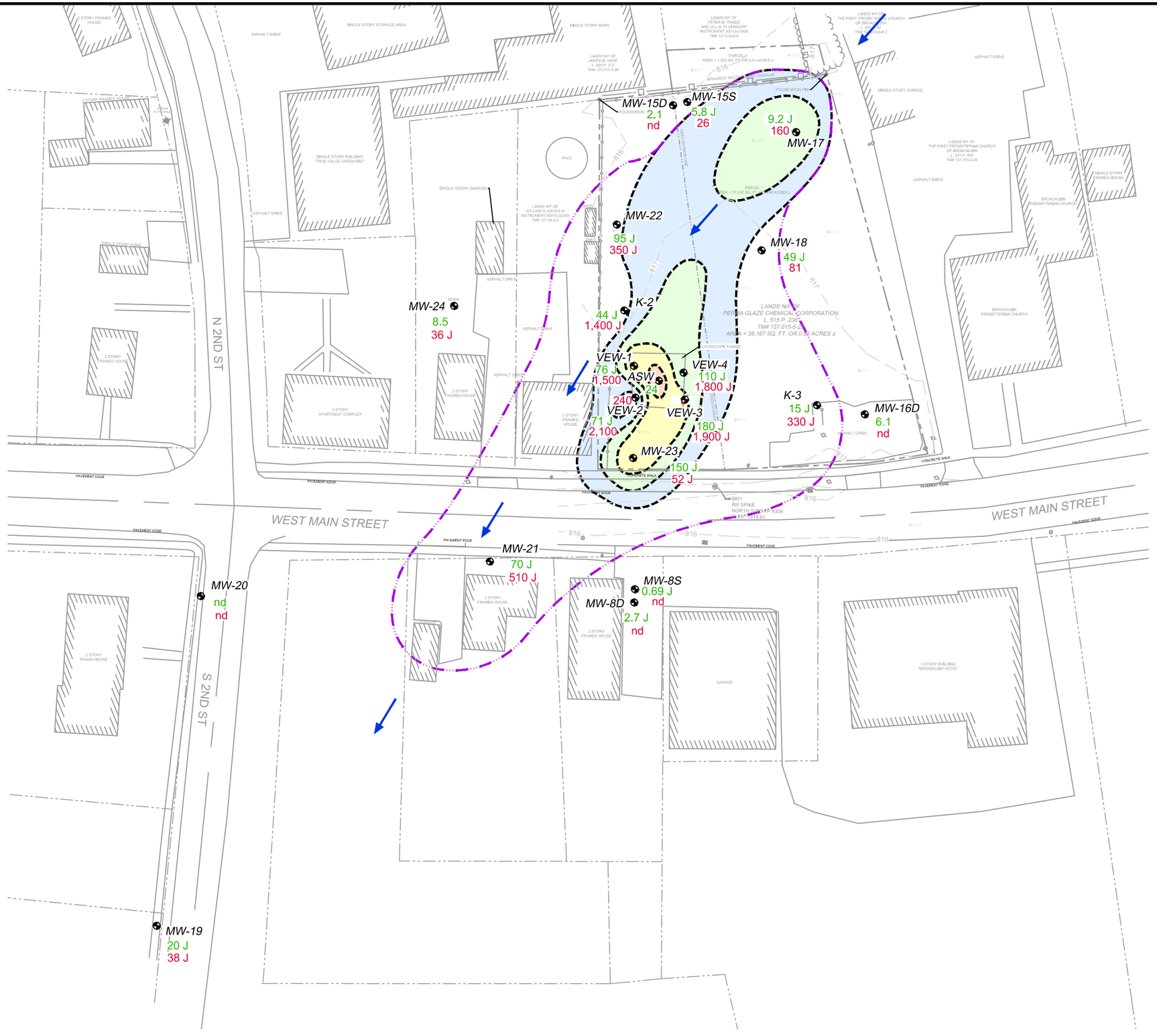
AECOM

Figure: 6

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
JUNE 2, 2021

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JUNE 2022

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"



LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L
- 75 PFOA ng/L
- 75 PFOS ng/L
- J ESTIMATED CONCENTRATION
- INFERRED GROUNDWATER PLUME LIMIT OF PFOA AND/OR PFOS > USEPA HAL (70 ng/L)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

AECOM

Figure: 7

PFOA / PFOS CONTAMINANT PLUME LIMIT MAP MAY 13, 2019

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: SEPTEMBER 2019

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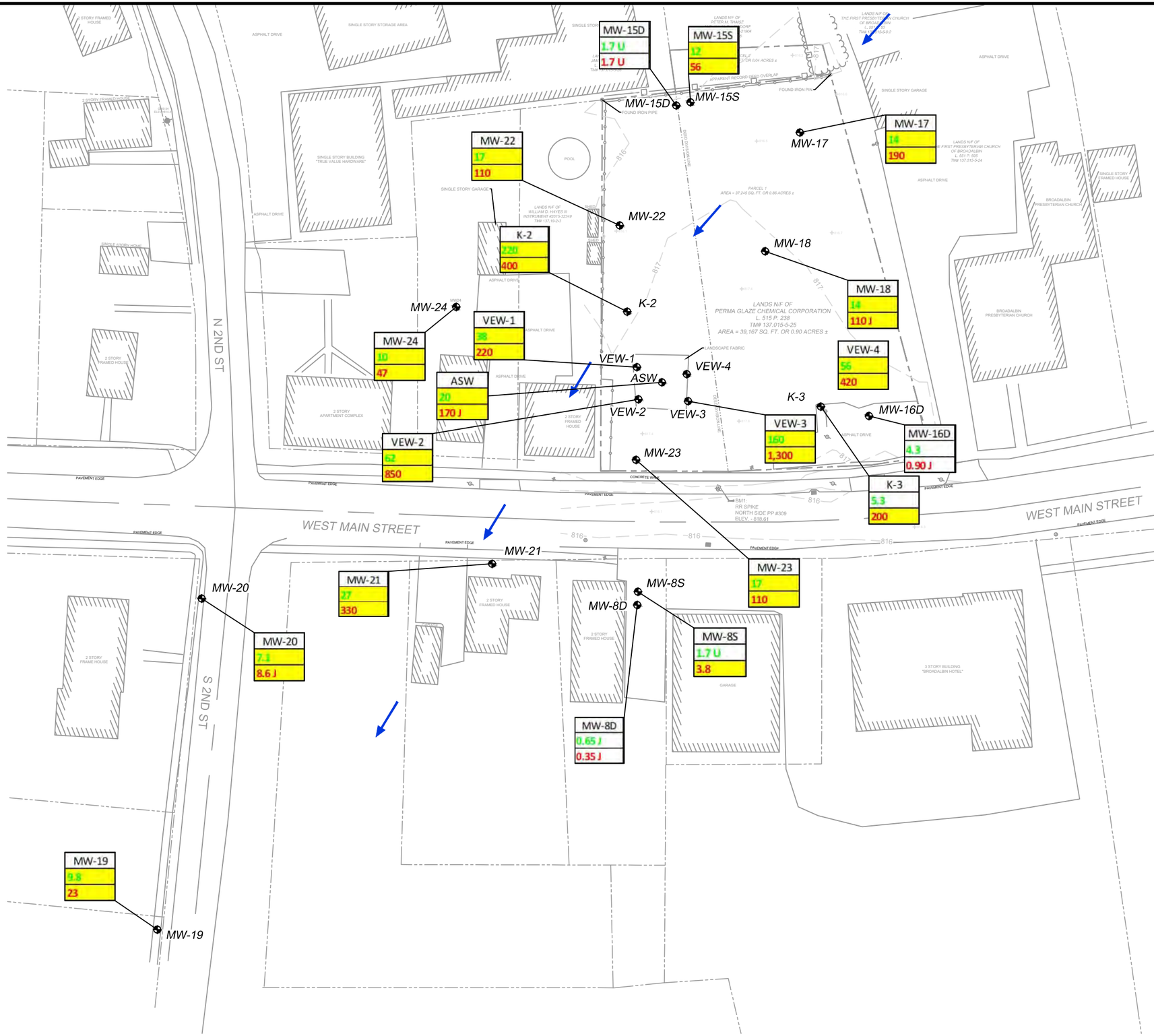

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- 75 PFOA ng/L
- 75 PFOS ng/L
- J ESTIMATED CONCENTRATION
- APPROXIMATE GROUNDWATER FLOW DIRECTION

Note:
Results shaded yellow exceed NYSDEC Ambient Water Quality Guidance Values 2021 Addendum for PFOA (6.7 ng/L) and PFOS (2.7 ng/L)

0 60' 120'

AECOM

Figure: 8

PFOA / PFOS CONCENTRATIONS IN GROUNDWATER JUNE 2, 2021

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JUNE 2022

Tables

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-8D																MW-8S																					
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/15/15		3/17/17		5/16/19		6/1/21		8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/15/15		3/17/17		5/16/19		5/16/2019 [1]		6/1/21	
Volatile Organic Compounds (µg/L)																																							
1,1-Dichloroethane	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	5	U	**1.6**	**J**	5	U	NA		10	U	1	U	1	U	1	U	1	U	**430**	**D**	**89**		5	U	NA		10	U	**2.7**		1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**26**		**5.6**		5	U	1	U	10	U	**1.8**		1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	1	U	1	U	**97**		**36**		5	U	NA		10	U	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**3**	**J**	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	1	U	10	U	10	U	1	U	5	U	5	U	10	U	10	U
4-Isopropyltoluene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**20**		5	U	5	U	1	U	10	U	**0.8**	**J**	1	U	1	U	1	U	1	U	1	U
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	10	U	**3**	**J**	5	U	10	U	5	U	5	U	5	U	10	U	10	U	10	U	10	U	5	U	5	U	10	U	10	U
Carbon Disulfide	60	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	NS	5	U	5	U	**3.1**	**J**	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**9**		**1.3**	**J**	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	NA		NA		NA		1	U	10	U	1	U	1	U	1	U	1	U	NA		NA		NA		1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**57**		**11**		5	U	1	U	10	U	**1.1**		1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**27**		**9.6**		5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
m,p-Xylene	5	5	U	5	U	5	U	2	U	NA		2	U	2	U	1	U	2	U	**160**		**28**		5	U	2	U	NA		**0.8**	**J**	2	U	1	U	1	U	2	U
Methylcyclohexane	NS	NA		NA		NA		1	U	10	U	1	U	1	U	1	U	1	U	NA		NA		NA		1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10 (GV)	5	U	**1.2**	**J**	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**58**		**10**		5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
n-Butylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**45**		**12**		5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
n-Propylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**34**		**14**		5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
o-Xylene	5	5	U	5	U	5	U	1	U	NA		1	U	1	U	1	U	1	U	**120**		**19**		5	U	1	U	NA		**3**		1	U	1	U	1	U	1	U	1	U
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	1	U	1	U	**22**		**6.8**		5	U	NA		10	U	**0.92**	**J**	1	U	1	U	1	U	1	U	1	U
Styrene	5	5	U	5	U	5	U	1	U	10	U	1	U	NA	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	NA		10	U	1	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	**0.63**	**J**	1	U	1	U	1	U
Toluene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	**1**	**J**	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	U	1	U	1	U	1	U
Xylene (Total)	NS	5	U	5	U	5	U	2	U	10	U	2	U	2	U	2	U	2	U	**280**		**47**		5	U	2	U	10	U	**3.8**		2	U	2	U	2	U	2	U	2	U
Total VOCs [2]		**ND**		**2.8**	**J**	**3**	**J**	**ND**		**ND**		**ND**		**3**	**J**	**ND**		**ND**		**1,109**	**DJ**	**242**	J	**ND**		**ND**		**ND**		**11.1**	**J**	**ND**		**ND**		**ND**		**ND**	
Field Parameter Results																																							
DO (mg/L)	NS	NA		NA		NA		NA		NA		NA		**3.27**		**6.41**		**1.21**		NA		NA		NA		NA		NA		NA		**10**		**10.65**				**8.75**	
ORP (MeV)	NS	NA		NA		NA		NA		NA		NA		**175.6**		**16.3**		**20.2**		NA		NA		NA		NA		NA		NA		**156.2**		**74.4**				**151.3**	
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA		NA		NA		**3**		**0**		NA		NA		NA		NA		NA		NA		NA		**0**		**0**				NA	
Semi-Volatile Organic Compounds(µg/L)																																							
1,2-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA		**21**		NA		NA		4.7	U	NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA		**2**	**J**	NA		NA		4.7	U	NA		NA		NA		NA		NA		NA	
Biphenyl	5	NA		NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	NA		NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
2,4,5-Trichlorophenol	NS	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	NA		NA		NA		4.7	U	NA		NA		5	U	5	U	10	U	5	U
2,4-Dimethylphenol	50 (GV)	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
2-Methylphenol	NS	10	U	NA		NA		9.4	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
2-Methylnaphthalene	NS	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	**7**	**J**	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
4-Chloro-3-methylphenol	NS	10	U	NA		NA		9.4	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
4-Methylphenol	NS	10	U	NA		NA		9.4	U	NA		10	U	10	U	10	U	10	U	**14**		NA		NA		9.4	U	NA		1000	U	10	U	10	U	10	U	10	U
Acenaphthene	20	10	U	NA		NA		9.4	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Acetophenone	NS	NA		NA		NA		4.7	U	NA		**1.1**	**J**	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Benzaldehyde	NS	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	**2**	**J**	NA		NA		4.7	U	NA		5.1	U	5	U	2	U	5	U	**2**	**J**	NA		NA		4.7	U	NA		520	U	5	U	5	U	2	U	5	U
Di-n-butylphthalate	50	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	**1**	**J**	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U
Dibenzofuran	NS	10	U	NA		NA		4.7	U	NA		10	U	10	U	10	U	10	U	10	U	NA		NA		9.4	U	NA		1000	U	10	U	10	U	10	U	10	U
Diethyl phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U
Fluorene	50 (GV)	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Naphthalene	10 (GV)	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	**48**		NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U
Phenol	1	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		520	U	5	U	5	U	10	U	5	U
Organochlorine Pesticides (µg/L)																																							
4,4-DDD	0.3	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
4,4'-DDE	0.2	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
4,4'-DDT	0.2	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Aldrin	ND	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
alpha-BHC	0.01	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
alpha-Chlordane (cis)	NS	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
beta-BHC	0.04	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
delta-BHC	0.04	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Dieldrin	0.004	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Endosulfan I	NS	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Endosulfan II	NS	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Endosulfan Sulfate	NS	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Endrin Aldehyde	5	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Endrin Ketone	5	NA		NA		NA		0.25	U	0.1	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.1	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
gamma-BHC (Lindane)	0.05	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
gamma-Chlordane	NS	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Heptachlor	0.04	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Heptachlor Epoxide	0.03	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U
Methoxychlor	35	NA		NA		NA		0.25	U	0.05	U	0.049	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		0.24	U	0.05	U	0.56	U	0.05	U	0.05	U	0.020	U	0.05	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-15D																MW-15S																	
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/15/15		3/17/17		5/15/19		6/1/21		8/14/07		11/25/08		3/25/10		3/25/2010[1]		1/10/12		6/25/13		10/14/15		3/17/17		5/13/19		6/3/21	
Volatile Organic Compounds (µg/L)																																					
1,1-Dichloroethane	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	200	U	1	U	1	U	1	U	**45**		**29**		**1.1**	**J**	**2.3**	**J**	NA		**14**	**JN**	5	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	200	U	1	U	1	U	1	U	**36**		**25**		5	U	NA		NA		10	U	5	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1	U	10	U	2000	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	1.0	U	10	U	50	U	1	U	5	U	10	U
4-Isopropyltoluene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	**11**		**32**		**4.6**	**J**	5	U	1.0	U	10	U	**2.6**	**J**	**0.51**	**J**	1	U	1	U
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	2000	U	10	U	5	**U**	10	**U**	5	U	5	U	5	U	5	U	10	U	10	U	50	U	**4.5**	**J**	5	U	10	U
Carbon Disulfide	60	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	**0.2**	**J**	1	U	1	U
Chloroform	7	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
Chloroethane	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	**1**	**J**	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
Chloromethane	NS	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	**4.4**	**J**	1.0	U	10	U	5	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
Cyclohexane	NS	NA		NA		NA		1	U	10	U	200	U	1	U	1	U	1	U	NA		NA		NA		5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
Ethylbenzene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	5	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	5	U	5	U
m,p-Xylene	5	5	U	5	U	5	U	2	U	NA		400	U	2	U	1	U	2	U	5	U	5	U	5	U	5	U	1.0	U	NA		10	U	2	U	1	U	1	U
Methylcyclohexane	NS	NA		NA		NA		1	U	10	U	200	U	1	U	1	U	1	U	NA		NA		NA		5	U	**2.6**		**2**	**J**	5	U	**0.47**	**J**	1	U	1	U
Methylene Chloride	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	NA		5	U	1	U	1	U	1	U
Naphthalene	10 (GV)	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	**1**	**J**	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
n-Butylbenzene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	**8**		**24**		**3.5**	**J**	**1.1**	**J**	1.0	U	10	U	5	U	1	U	1	U	1	U
n-Propylbenzene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	**2.6**	**J**	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
o-Xylene	5	5	U	5	U	5	U	1	U	NA		200	U	1	U	1	U	1	U	**3**	**J**	5	U	5	U	5	U	1.0	U	NA		5	U	1	U	1	U	1	U
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	200	U	1	U	1	U	1	U	**5**		**18**		**2.8**	**J**	5	U	NA		10	U	5	U	1	U	1	U	1	U
Styrene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	200	U	1	U	1	U	1	U	5	U	**1.4**	**J**	5	U	5	U	NA		10	U	5	U	1	U	1	U	1	U
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	**2**	**J**	5	U	5	U	5	U	**0.9**	**J**	10	U	5	U	1	U	1	U	1	U
Toluene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	**13**		**1.3**	**J**	5	U	5	U	**2**		**1**	**J**	5	U	1	U	1	U	1	U
Trichloroethene	5	5	U	5	U	5	U	1	U	10	U	200	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	1	U	1	U
Xylene (Total)	NS	5	U	5	U	5	U	2	U	10	U	400	U	2	U	2	U	2	U	**3**	**J**	5	U	5	U	5	U	**1**	**J**	10	U	10	U	2	U	2	U	2	U
Total VOCs [2]		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**ND**		**124**	**J**	**133.3**	**J**	**13**	**J**	**7.8**	**J**	**7**	**J**	**17**	**JN**	**2.6**	**J**	**5.68**	**J**	**ND**		**ND**	
Field Parameter Results																																					
DO (mg/L)	NS	NA		NA		NA		NA		NA		NA		**6.38**		**4.25**		**1.96**		NA		NA		NA				NA		NA		NA		**0.41**		**2.77**		**0.22**	
ORP (MeV)	NS	NA		NA		NA		NA		NA		NA		**151.6**		**42.8**		**-125.7**		NA		NA		NA				NA		NA		NA		**187.4**		**-0.4**		**-27.5**	
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA		NA		NA		**0.7**		**0**		NA		NA		NA		NA				NA		NA		NA		**3**		**0**		NA	
Semi-Volatile Organic Compounds(µg/L)																																					
1,2-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA		10	U	NA		NA		NA		4.7	U	NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA		10	U	NA		NA		NA		4.7	U	NA		NA		NA		NA		NA	
Biphenyl	5	NA		NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	NA		NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
2,4,5-Trichlorophenol	NS	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
2,4-Dimethylphenol	50 (GV)	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
2-Methylphenol	NS	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
2-Methylnaphthalene	NS	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	10	U
4-Chloro-3-methylphenol	NS	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
4-Methylphenol	NS	10	U	NA		NA		9.4	U	NA		11	U	10	U	10	U	10	U	10	U	NA		NA		NA		9.4	U	NA		**4.4**	**J**	10	U	10	U	10	U
Acenaphthene	20	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
Acetophenone	NS	NA		NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	NA		NA		NA		NA		**73**		NA		26	U	5	U	**2.2**	**J**	5	U
Benzaldehyde	NS	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	2	J	NA		NA		4.7	U	NA		5.5	U	5	U	2	U	5	U	**2**	**J**	NA		NA		NA		4.7	U	NA		26	U	5	U	2	U	5	U
Di-n-butylphthalate	50	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
Dibenzofuran	NS	10	U	NA		NA		9.4	U	NA		11	U	10	U	10	U	10	U	10	U	NA		NA		NA		9.4	U	NA		52	U	10	U	10	U	10	U
Diethyl phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
Fluorene	50 (GV)	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
Naphthalene	10 (GV)	10	U	NA		NA		4.7	U	NA		5.5	U	5	U	10	U	5	U	**1**	**J**	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
Phenol	1	10	U	NA		NA		4.7	U	NA		**0.95**	**J**	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		26	U	5	U	10	U	5	U
Organochlorine Pesticides (µg/L)																																					
4,4-DDD	0.3	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		**0.12**	**J**	0.1	U	0.1	U	0.05	U	0.020	U	0.057	U
4,4'-DDE	0.2	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
4,4'-DDT	0.2	NA		NA		NA		0.24	U	0.1	U	**0.04**	**J**	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
Aldrin	ND	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.057	U
alpha-BHC	0.01	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.057	U
alpha-Chlordane (cis)	NS	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	**0.29**	**P**	NA		**0.33**		**0.17**	**P**	**0.32**	
beta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.057	U
delta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.057	U	**0.01**	**J**	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.057	U
Dieldrin	0.004	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
Endosulfan I	NS	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	**0.042**	**J**
Endosulfan II	NS	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
Endosulfan Sulfate	NS	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
Endrin Aldehyde	5	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
Endrin Ketone	5	NA		NA		NA		0.24	U	0.1	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.057	U
gamma-BHC (Lindane)	0.05	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.057	U
gamma-Chlordane	NS	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		**0.22**	**J**	**0.29**	**P**	**0.29**		**0.14**		**0.096**		**0.19**	
Heptachlor	0.04	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		**0.093**	**J**	0.05	U	0.05	U	0.05	U	0.020	U	0.057	U
Heptachlor Epoxide	0.03	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	**0.045**	**J**	NA		0.05	U	0.020	U	0.057	U
Methoxychlor	35	NA		NA		NA		0.24	U	0.05	U	0.057	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.057	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		ASW																																					
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		1/10/2012 [1]		6/25/13		10/13/15		10/13/15		12/8/15		3/8/16		5/31/16		9/14/16		12/6/16		3/16/17		6/14/17		5/14/19		6/3/21	
Volatile Organic Compounds (µg/L)																																							
1,1-Dichloroethane	5	5	U	25	U	25	U	1	U	1	U	NA		NA		5.0	U	20	U	20	U	20	U	20	U	20	U	20	U	8	U	1	U	8	U					
1,2,4-Trimethylbenzene	5	**130**	**D**	**1,100**	**D**	**860**		NA		NA		**410**	**JN**	**420**		**420**		**950**		**880**		**970**	**F1**	**840**		**940**		**1100**		**1000**	**E**	**810**		**860**						
1,2-Dichlorobenzene	3	**24**		**34**		**26**		**35**		**36**		**35**		**24**		**24**		**31**		**28**		**35**		**27**		**32**		**34**		**31**		**29**		**31**						
1,3,5-Trimethylbenzene	5	**31**	**D**	**360**		**280**		NA		NA		**730**	**JN**	**260**		**260**		**310**		**340**		**380**		**320**		**330**		**380**		**320**		**280**		**300**						
1,4-Dichlorobenzene	3	**3**	**J**	25	U	25	U	**5.1**		**5.3**		**5**	**J**	5	U	5.0	U	20	U	20	U	20	U	20	U	20	U	20	U	8	U	**4.5**		8	U					
2-Butanone (MEK)	50 (GV)	**14**		**13**	**J**	25	U	**8.9**		**9.2**		**49**		**12**	**J**	**12**	**J**	200	U	200	U	200	U	200	U	200	U	200	U	80	U	**14**		80	U					
4-Isopropyltoluene	5	**39**		**61**		25	U	1	U	1	U	10	U	**37**		**37**		**39**		**47**		**58**		**41**		**43**		**54**		**46**		**44**		**54**						
Acetone	50 (GV)	5	U	25	U	25	U	**10**		**10**		**43**		**22**	**J**	**22**	**J**	**76**	**J**	**150**	**J**	**190**	**J**	**160**	**J**	**130**	**J**	200	U	**30**	**J**	5	U	80	U					
Carbon Disulfide	60	5	U	25	U	25	U	1	U	1	U	10	U	5	U	5.0	U	20	U	20	U	20	U	**4.8**	**J**	**4.5**	**J**	**11**	**J**	**8.4**		1	U	8	U					
Chloroform	7	5	U	25	U	25	U	1	U	1	U	10	U	5	U	5.0	U	20	U	20	U	20	U	20	U	20	U	20	U	8	U	1	U	8	U					
Chloroethane	5	5	U	25	U	25	U	**0.42**	**J**	1	U	10	U	5	U	5.0	U	20	U	20	U	**14**	**J**	20	U	**8**	**J**	20	U	8	U	1	U	8	U					
Chloromethane	NS	5	U	25	U	25	U	1	U	1	U	10	U	5	U	5.0	U	20	U	**50**		**70**		20	U	20	U	20	U	8	U	1	U	8	U					
cis-1,2-Dichloroethene	5	**53**		**72**		**24**	**J**	**26**		**26**		**21**	**Z**	**24**		**24**		20	U	20	U	20	U	20	U	20	U	20	U	8	U	**5.9**		**8.1**						
Cyclohexane	NS	NA		NA		NA		**4.6**		**4.6**		**4**	**J**	5	U	5.0	U	20	U	20	U	20	U	20	U	20	U	20	U	**4.1**	**J**	**2.3**		8	U					
Ethylbenzene	5	**65**		**430**		**150**		**160**	**D**	**160**	**D**	**220**	**D**	**110**		**110**		**120**		**130**		**140**		**94**		**140**		**160**		**150**		**110**		**83**						
Isopropylbenzene	5	**49**		**86**		**50**		**56**		**56**		**62**		**34**		**34**		**43**		**43**		**56**		**37**		**42**		**57**		**44**		**49**		**34**						
m,p-Xylene	5	**320**	**D**	**2,100**	**D**	**710**		**730**		**710**	**D**	NA		**340**		**340**		**580**		**710**		**730**	**F1**	**610**		**750**		**860**		**800**		**490**		**380**						
Methylcyclohexane	NS	NA		NA		NA		**36**		**37**		**41**		**16**		**16**		**6.1**	**J**	**29**		**34**		**21**		**21**		**33**		**28**		**17**		**15**						
Methylene Chloride	5	5	U	25	U	25	U	1	U	1	U	10	U	NA		5.0	U	20	U	**14**	**J**	20	U	**21**		20	U	20	U	8	U	1	U	8	U					
Naphthalene	10 (GV)	**130**		**160**		**100**		1	U	1	U	10	U	**84**		**84**		**120**		**86**		**110**		**91**		**110**		**120**		**90**		**110**	**B**	**96**						
n-Butylbenzene	5	**60**		**91**		**73**		1	U	1	U	10	U	**68**		**68**		**73**		**47**		**97**		**58**		**62**		**95**		**75**		**46**		8	U					
n-Propylbenzene	5	**74**		**120**		**87**		1	U	1	U	**140**	**JN**	**60**		**60**		**78**		**80**		**110**		**69**		**81**		**100**		**81**		**74**		**79**						
o-Xylene	5	**210**	**D**	**1,000**	**D**	**430**		**450**		**440**	**D**	NA		**390**		**390**		**370**		**410**		**420**	**F1**	**330**		**460**		**530**		**510**		**370**		**230**						
sec-Butylbenzene	5	**28**		**46**		**37**		NA		NA		10	U	**30**		**30**		**30**		20	U	**47**		**36**		**34**		**46**		**35**		**34**		**39**						
Styrene	5	5	U	25	U	25	U	1	U	1	U	10	U	NA		5.0	U	20	U	20	U	20	U	20	U	20	U	**16**	**J**	8	U	1	U	8	U					
tert- Butylbenzene	5	5	U	25	U	25	U	NA		NA		10	U	5	U	5.0	U	20	U	20	U	20	U	20	U	20	U	20	U	8	U	**4.6**		8	U					
Tetrachloroethene (PCE)	5	5	U	25	U	25	U	**0.65**	**J**	**0.67**	**J**	**4**	**J**	5	U	5.0	U	20	U	**15**	**J**	**34**		**25**		**26**		**37**		**37**		**17**		8	U					
Toluene	5	**19**		**26**		**22**	**J**	**21**		**21**		**18**		**10**		**10**		20	U	20	U	**10**	**J**	20	U	20	U	20	U	**6.8**	**J**	**7**		**9.5**						
Trichloroethene	5	5	U	**8.2**	**JB**	25	U	**0.51**	**J**	**0.53**		**5**	**J**	5	U	5.0	U	20	U	20	U	20	U	20	U	20	U	20	U	8	U	**4.7**		8	U					
Xylene (Total)	NS	**530**	**D**	**3,100**	**D**	**1,100**		**1,200**	**D**	**1,200**	**D**	**1,800**	**D**	**550**		**550**		**950**		**1100**		**1200**	**F1**	**940**		**1200**		**1400**		**1,300**		**860**		**610**						
Total VOCs [2]		**1,249**	**DJ**	5,707	DJB	**2849**	**J**	**1,544.18**	**JD**	**1,516.30**	**JD**	**3,587**	JNZD	**1,941**	**J**	**1941**	**J**	**2826.1**	**J**	**3059**	**J**	**3505**	**J**	**2784.8**	**J**	**3213.5**	**J**	**3633**	**J**	**3296.3**	**EJ**	**2523**	**B**	**2218.6**						
Field Parameter Results																																							
DO (mg/L)	NS	NA		NA		NA		NA				NA		NA		NA		**0.52**		**0**		**0.2**		**0.31**		**0.14**		**0.21**		**0.2**		**2.88**		**0.1**						
ORP (MeV)	NS	NA		NA		NA		NA				NA		NA		NA		**-105**		**-143**		**-93**		**-92.1**		**-77.6**		**93.6**		**-73.4**		**-11.4**		**-86.1**						
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA				NA		NA		NA		NA		**3.5**		**1.4**		**2.1**		**0.7**		**3**		**1.4**		**0**		NA						
Semi-Volatile Organic Compounds(µg/L)																																							
1,2-Dichlorobenzene	3	**19**	**J**	NA		NA		4.7	U	4.7	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA						
1,4-Dichlorobenzene	3	**2**	**J**	NA		NA		**5.1**		**5.3**		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA						
Biphenyl	5	NA		NA		NA		**3.9**	**J**	**0.7**	**J**	NA		**1.7**	**J**	**1.7**	**J**	**2.2**	**J**	**2.5**	**J**	48	U	24	U	250	U	25		25	U	**1.6**	**J**	**2.4**	**J**					
2,4,5-Trichlorophenol	NS	20	U	NA		NA		4.7	U	4.7	U	NA		NA		4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25	U	25	U	10	U	**0.75**	**J**					
2,4-Dimethylphenol	50 (GV)	20	U	NA		NA		**1.5**	**J**	**1.1**	**J**	NA		**2.7**	**J**	**2.7**	**J**	**8.6**		**10**		**8.9**	**J**	24	U	250	U	**5.6**	**J**	**4.7**	**J**	**1.8**	**J**	**15**						
2-Methylphenol	NS	20	U	NA		NA		4.7	U	4.7	U	NA		4.8	U	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
2-Methylnaphthalene	NS	**50**		NA		NA		**57**		**55**		NA		**23**		**23**		**30**		**36**		**28**	**J**	**42**		250	U	**36**		**39**		**23**		**39**						
4-Chloro-3-methylphenol	NS	20	U	NA		NA		4.7	U	4.7	U	NA		4.8	U	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
4-Methylphenol	NS	**170**		NA		NA		**7.6**	**J**	**7**	**J**	NA		**61**		**61**		**59**		**12**		95	U	**21**	**J**	250	U	**18**	**J**	**31**	**J**	**10**		**6.7**	**J**					
Acenaphthene	20	20	U	NA		NA		4.7	U	4.7	U	NA		4.8	U	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	**0.52**	**J**					
Acetophenone	NS	20	U	NA		NA		**130**		**130**		NA		4.8	U	4.8	U	**98**		**170**		48	U	24	U	250	U	25		**130**		10	U	5	U					
Benzaldehyde	NS	NA		NA		NA		NA		NA		NA		4.8	U	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
BIS (2-Ethylhexyl) phthalate	50 (GV)	**2**	**J**	NA		NA		4.7	U	4.7	U	NA		4.8	U	**0.53**	**JB**	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	2	U	5	U					
Di-n-butylphthalate	50	**4**	**J**	NA		NA		**1.8**	**J**	**1.7**	**J**	NA		**1.7**	**J**	**1.7**	**J**	**2.2**	**J**	**2.5**	**J**	48	U	**3**	**J**	250	U	**3**	**J**	**3.4**	**J**	**1.7**	**J**	**2.5**	**J**					
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		NA		4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U							
Dibenzofuran	NS	20	U	NA		NA		**0.64**	**J**	**0.64**	**J**	NA		9.7	U	9.6	U	9.2	U	10.4	U	96		48	U	500	U	50		50	U	10	U	**0.82**	**J**					
Diethyl phthalate	50 (GV)	20	U	NA		NA		4.7	U	4.7	U	NA		4.8	U	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		NA		4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
Fluorene	50 (GV)	20	U	NA		NA		**0.74**	**J**	**0.68**	**J**	NA		**0.46**	**J**	**0.46**	**J**	**0.48**	**J**	**0.59**	**J**	48	U	24	U	250	U	25		25	U	10	U	**0.50**	**J**					
Naphthalene	10 (GV)	**110**		NA		NA		**89**		**85**		NA		**46**		**46**		**68**		**82**		**65**		**90**		**60**	**J**	**89**		**89**		**63**		**96**						
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		NA		4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
Phenol	1	20	U	NA		NA		4.7	U	4.7	U	NA		4.8	U	4.8	U	**0.48**	**J**	5.2	U	48	U	24	U	250	U	25		25	U	10	U	5	U					
Organochlorine Pesticides (µg/L)																																							
4,4-DDD	0.3	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	**0.067**	**J**	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
4,4'-DDE	0.2	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
4,4'-DDT	0.2	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.5	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	**0.017**	**J B**					
Aldrin	ND	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	**0.051**	**J**	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	**0.023**	**J**					
alpha-BHC	0.01	NA		NA		NA		2.4	U	2.4	U	0.05	U	**0.12**	**BJ**	**0.12**	**JB**	0.23	U	**0.093**	**J**	0.048	U	**0.086**	**JB**	**0.17**	**JB**	**0.14**	**J**	0.500	U	0.020	U	**0.021**	**J**					
alpha-Chlordane (cis)	NS	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
beta-BHC	0.04	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
delta-BHC	0.04	NA		NA		NA		2.4	U	2.4	U	0.05	U	**0.14**	**J**	**0.14**	**J**	**0.12**	**J**	**0.14**	**J**	**0.019**	**J**	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	**0.013**	**J**					
Dieldrin	0.004	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	**0.024**	**J**					
Endosulfan I	NS	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
Endosulfan II	NS	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
Endosulfan Sulfate	NS	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
Endrin Aldehyde	5	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U*+					
Endrin Ketone	5	NA		NA		NA		2.4	U	2.4	U	0.1	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
gamma-BHC (Lindane)	0.05	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	**0.058**	**J**	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	**0.180**	**J**	0.020	U	0.050	U					
gamma-Chlordane	NS	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	**0.057**						
Heptachlor	0.04	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
Heptachlor Epoxide	0.03	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					
Methoxychlor	35	NA		NA		NA		2.4	U	2.4	U	0.05	U	0.5	U	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.050	U	0.500	U	0.020	U	0.050	U					

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-16D																		K-2																					
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/14/15		3/17/17		5/15/19		6/1/21		8/14/07		8/14/2007 [1]		11/25/08		3/25/10		1/10/12		6/25/13		10/14/15		3/16/17		5/15/19		6/3/21	
Volatile Organic Compounds (µg/L)																																									
1,1-Dichloroethane	5	5	U	5	U	5	U	1		10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0		10	U	NA		1	U	1	U	2	U
1,2,4-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	1	U	1	U	**60**		**60**		**81**		**2.5**	**J**	NA		10	U	**16**		1	U	1	U	**19**	
1,2-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	1	U	1	U	**3**	**J**	3	U	**8.4**		5	U	NA		10	U	5.0	U	1	U	1	U	2	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1	U	10	U	**1.4**	**J**	1	U	5	U	10	U	5	U	5	U	5	U	5	U	1.0	U	10	U	**7.4**	**J**	1	U	5	U	20	U
4-Isopropyltoluene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**2**	**J**	**2**	**J**	5	U	5	U	1.0	U	10	U	**3.4**	**J**	1	U	1	U	2	U
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	10	U	10	U	5	U	10	U	5	U	5	U	5	U	5	U	**3.7**	**J**	10	U	50	U	10	U	5	U	20	U
Carbon Disulfide	60	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
Chloroform	7	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
Chloroethane	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	**0.67**	**J**	10	U	5.0	U	1	U	1	U	2	U
Chloromethane	NS	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	NA		**2.5**	**J**	1.0	U	10	U	5.0	U	1	U	1	U	2	U
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**4**	**J**	**4**	**J**	**6.2**		5	U	**4.2**		10	U	5.0	U	1	U	1	U	**2.5**	
Cyclohexane	NS	NA		NA		NA		1	U	10	U	1.0	U	1	U	1	U	1	U	NA		NA		NA		NA		1.0	U	10	U	5.0	U	1	U	1	U	2	U
Ethylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**12**		**13**		**9.3**		5	U	**13**		10	U	**7.1**		1	U	1	U	**11**	
Isopropylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	1	U	**4**	**J**	**4**	**J**	**5.7**		5	U	**2.6**		10	U	5.0	U	1	U	5	U	**1.9**	**J**
m,p-Xylene	5	5	U	5	U	5	U	2	U	NA		2.0	U	2	U	1	U	2	U	**16**		**16**		**14**		5	U	**19**		NA		**28**		2	U	1	U	**9.9**	
Methylcyclohexane	NS	NA		NA		NA		1	U	10	U	1.0	U	1	U	1	U	1	U	NA		NA		NA		NA		**2.3**		10	U	5.0	U	1	U	1	U	**2.6**	
Methylene Chloride	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	2	U
Naphthalene	10 (GV)	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**10**	**B**	**8**	**B**	**5.4**		5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
n-Butylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**8**		**8**		**23**		**1.3**	**J**	1.0	U	10	U	**4.6**	**J**	1	U	1	U	**3.3**	
n-Propylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**4**	**J**	**4**	**J**	**13**		5	U	1.0	U	10	U	5.0	U	1	U	1	U	**2.8**	
o-Xylene	5	5	U	5	U	5	U	1	U	NA		1.0	U	1	U	1	U	1	U	**30**		**30**		**17**		5	U	**24**		NA		**32**		1	U	1	U	**48**	
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	1	U	1	U	**6**		**6**		**18**		5	U	NA		10	U	5.0	U	1	U	1	U	**4.0**	
Styrene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	NA		10	U	5.0	U	1	U	1	U	2	U
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**2**	**JB**	**2**	**JB**	**1.5**	**J**	5	U	**0.64**	**J**	10	U	5.0	U	1	U	1	U	**7.2**	
Toluene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	5	U	5	U	5	U	5	U	**0.59**	**J**	10	U	5.0	U	1	U	1	U	2	U
Trichloroethene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	U	1	U	**1**	**J**	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	1	U	2	U
Xylene (Total)	NS	5	U	5	U	5	U	2	U	10	U	2.0	U	2	U	2	U	2	U	**46**		**46**		**31**		5	U	**43**		**5**	**J**	**60**		2	U	2	U	**58**	
Total VOCs [2]		**ND**		**ND**		**ND**		**ND**		**ND**		**1.4**	**J**	**ND**		**ND**		**ND**		**162**	**JB**	**157**	**JB**	**203**	**J**	**6**	**J**	**70.7**	**J**	**5**	**J**	**98.5**	**J**	**ND**		**ND**		**112.2**	**J**
Field Parameter Results																																									
DO (mg/L)	NS	NA		NA		NA		NA		NA		NA		**1.15**		**3.52**		**2.03**		NA		NA		NA		NA		NA		NA		NA		**5.31**		**7.75**		**2.38**	
ORP (MeV)	NS	NA		NA		NA		NA		NA		NA		**166**		**50.6**		**-16.6**		NA		NA		NA		NA		NA		NA		NA		**237.7**		**68.3**		**-30.9**	
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA		NA		NA		**1.4**		**0**		NA		NA		NA		NA		NA		NA		NA		NA		**5**		**0**		NA	
Semi-Volatile Organic Compounds(µg/L)																																									
1,2-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		5	U	NA		NA		10	U	NA		NA		NA		4.7	U	NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		5	U	NA		NA		10	U	NA		NA		NA		4.7	U	NA		NA		NA		NA		NA	
Biphenyl	5	NA		NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		**0.79**	**J**	NA		54	U	5	U	10	U	5.4	U
2,4,5-Trichlorophenol	NS	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5.4	U
2,4-Dimethylphenol	50 (GV)	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
2-Methylphenol	NS	NA		NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
2-Methylnaphthalene	NS	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		**6.6**		NA		54	U	5	U	10	U	5.4	U
4-Chloro-3-methylphenol	NS	NA		NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
4-Methylphenol	NS	10	U	NA		NA		9.4	U	NA		11	U	10	U	10	U	10	U	10	U	NA		NA		NA		**4.7**	**J**	NA		110	U	10	U	10	U	11	U
Acenaphthene	20	NA		NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
Acetophenone	NS	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	NA		NA		NA		NA		**26**		NA		54	U	5	U	10	U	5.4	U
Benzaldehyde	NS	NA		NA		NA		NA		NA		5.4	U	5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5.4	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		**2.4**	**J**	5	U	2	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	2	U	5.4	U
Di-n-butylphthalate	50	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		NA		5	U	10	U	5.4	U
Dibenzofuran	NS	10	U	NA		NA		9.4	U	NA		11	U	10	U	10	U	10	U	10	U	NA		NA		NA		4.7	U	NA		110	U	10	U	10	U	11	U
Diethyl phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5.4	U
Fluorene	50 (GV)	10	U	NA		NA		4.7		NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
Naphthalene	10 (GV)	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		**4.7**	**J**	NA		54	U	5	U	10	U	5.4	U
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5.4	U
Phenol	1	10	U	NA		NA		4.7	U	NA		5.4	U	5	U	10	U	5	U	10	U	NA		NA		NA		4.7	U	NA		54	U	5	U	10	U	5.4	U
Organochlorine Pesticides (µg/L)																																									
4,4-DDD	0.3	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		**0.23**	**J**	0.1	U	0.51	U	0.05	U	0.020	U	**0.45**	**J**
4,4'-DDE	0.2	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	**0.19**	**J**	**0.19**	**J**	0.020	U	**0.34**	**J**
4,4'-DDT	0.2	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	0.51	U	0.05	U	0.020	U	**0.26**	**J**
Aldrin	ND	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	0.05	U	0.020	U	0.54	U
alpha-BHC	0.01	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	0.05	U	0.020	U	0.54	U
alpha-Chlordane (cis)	NS	NA		NA		NA		0.24	U	0.05	U	**0.036**	**J**	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	**0.48**		**2.8**		**2**		**0.021**	**P**	**2.5**	
beta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	0.05	U	0.020	U	0.54	U
delta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	**0.11**	**J**	0.020	U	0.54	U
Dieldrin	0.004	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	0.51	U	0.05	U	0.020	U	0.54	U
Endosulfan I	NS	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	0.05	U	0.020	U	0.54	U
Endosulfan II	NS	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	0.51	U	**0.15**	**J**	0.020	U	0.54	U
Endosulfan Sulfate	NS	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	0.51	U	0.05	U	0.020	U	0.54	U
Endrin Aldehyde	5	NA		NA		NA		0.24	U	0.1	U	**0.017**	**J**	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	0.51	U	0.05	U	0.020	U	0.54	U
Endrin Ketone	5	NA		NA		NA		0.24	U	0.1	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.1	U	0.51	U	0.05	U	0.020	U	0.54	U
gamma-BHC (Lindane)	0.05	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	0.05	U	0.020	U	0.54	U
gamma-Chlordane	NS	NA		NA		NA		0.24	U	0.05	U	**0.15**		0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		**0.82**		**0.48**		**0.75**		**1.7**		**0.081**	**J**	**2.2**	
Heptachlor	0.04	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		**0.15**	**J**	0.05	U	0.51	U	0.05	U	0.020	U	0.54	U
Heptachlor Epoxide	0.03	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	**0.11**	**J**	0.05	U	0.020	U	**0.12**	**J**
Methoxychlor	35	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.05	U	0.020	U	0.05	U	NA		NA		NA		NA		0.47	U	0.05	U	0.51	U	0.05	U	0.020	U	**0.24**	**J**

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		K-3																				VEW-1																			
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		6/25/2013[1]		10/14/15		3/16/17		5/13/19		6/3/21		8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/13/15		3/16/17		5/14/19		6/3/21		6/3/2021[1]	
Volatile Organic Compounds (µg/L)																																									
1,1-Dichloroethane	5	5	U	5	U	5	U	1.0		10	U	NA		NA		1	U	1	U	1	U	5	U	5	U	13	U	1.0		10	U	NA		2	U	1	U	4	U	4	U*1
1,2,4-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U	1	U	1	U	**230**	**D**	**410**	**D**	**220**		NA		10	U	**240**		**51**		**230**		**44**		**55**	
1,2-Dichlorobenzene	3	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**23**		**34**		**19**		**24**		**17**		**19**		**3.9**		**15**		4	U	**3.5**	**J**
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U	1	U	1	U	**230**	**D**	**410**	**D**	**200**		NA		**240**	**JN**	**270**		**62**		**200**		**80**		**100**	
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**1**	**J**	**2.3**	**J**	13	U	1.0	U	10	U	2	U	2	U	**1.2**		4	U	4	U
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1.0	U	10	U	10	U	**13**		1	U	5	U	10	U	**13**		**17**		13	U	**2.5**	**J**	10	U	**15**	**J**	2	U	5	U	40	U	40	U*+
4-Isopropyltoluene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**36**		5	U	**59**		1.0	U	10	U	**45**		**10**		**40**		**17**		**22**	
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	10	U	10	U	10	U	5	U	10	U	**10**		**34**		13	U	**6.2**	**J**	10	U	**37**		**6.5**	**J**	5	U	40	U	40	U
Carbon Disulfide	60	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**1**	**J**	5	U	13	U	1.0	U	10	U	2	U	2	U	**0.25**	**J**	4	U	4	U
Chloroform	7	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	13	U	1.0	U	10	U	2	U	2	U	1	U	4	U	4	U
Chloroethane	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	**4.7**	**J**	1.0	U	10	U	2	U	2	U	1	U	4	U	4	U
Chloromethane	NS	5	U	5	U	**4.8**	**J**	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	5	U	5	U	**6.7**	**J**	1.0	U	10	U	2	U	2	U	1	U	4	U	4	U *1
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**130**		**84**		**39**		**22**		**5**	**J**	**19**		2	U	**7.7**		4	U	4	U
Cyclohexane	NS	NA		NA		NA		1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	NA		NA		NA		**0.47**	**J**	10	U	2	U	2	U	1	U	4	U	4	U
Ethylbenzene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**29**		**54**		**28**		**25**		**24**		**28**		**3.6**		**15**		4	U	**3.0**	**J**
Isopropylbenzene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**11**		**23**		**12**	**J**	**13**		**11**		**12**		**2.1**		**11**		4	U	4	U
m,p-Xylene	5	5	U	5	U	5	U	2.0	U	NA		10		2	U	2	U	1	U	1	U	**49**		**100**		**51**		**47**		NA		**58**		**7.7**		**33**		**5.8**	**J**	**6.8**	**J**
Methylcyclohexane	NS	NA		NA		NA		1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	NA		NA		NA		**3.4**		**3**	**JZ**	**1.8**	**J**	**0.51**	**JF1F2**	**2.6**		4	U	4	U
Methylene Chloride	5	5	U	5	U	5	U	1.0	U	10	U	NA		NA		1	U	1	U	1	U	5	U	5	U	13	U	1.0	U	10	U	NA		2	U	1	U	4	U	4	U
Naphthalene	10 (GV)	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**110**	**B**	5	U	**78**		1.0	U	10	U	**110**		**17**		**77**		**9.8**		**13**	
n-Butylbenzene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**54**		5	U	**47**		1.0	U	10	U	62		**14**		**21**		4	U F1	**10**	
n-Propylbenzene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**14**		**30**		**19**		1.0	U	10	U	**18**		**3.5**		**19**		**3.2**	**J**	**4.0**	
o-Xylene	5	5	U	5	U	5	U	1.0	U	NA		NA		1	U	1	U	1	U	1	U	**250**	**D**	**330**	**D**	**160**		**180**	**D**	NA		**200**		**33**		**140**		**30**		**35**	
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U	1	U	1	U	**17**		5	U	**19**		NA		10	U	**19**		**4.5**		**19**		**7.4**		**9.3**	
Styrene	5	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U	1	U	5	U	5	U	13	U	1.0	U	10	U	2	U	2	U	1	U	4	U	4	U
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U	1	U	1	U	**4**	**J**	5	U	13	U	NA		10	U	**4.6**		2	U	**4.7**		4	U	4	U
Tetrachloroethene (PCE)	5	5	U	**1.2**	**J**	5	U	**0.77**	**J**	10	U	10	U	**0.45**	**J**	1	U	**0.63**	**J**	1	U	**2**	**JB**	**1.7**	**J**	13	U	**0.99**	**J**	**1**	**J**	2	U	2	U	**1.1**		4	U	4	U
Toluene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	**0.59**	**J**	1	U	1	U	1	U	**4**	**J**	**4.4**	**J**	**3.4**	**J**	**1.6**		**2**	**J**	**2**		2	U	**1.2**		4	U	4	U
Trichloroethene	5	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	1	U	1	U	**2**	**J**	**3.1**	**J**	13	U	**1.6**		**2**	**J**	2	U	**2.1**		**2.4**		**2.0**	**J**	**2.0**	**J**
Xylene (Total)	NS	5	U	5	U	5	U	2.0	U	10	U	**4**	**J**	2	U	2	U	2	U	2	U	**299**	**D**	**420**		**220**		**230**	**D**	**210**		**260**		**41**		**170**		**36**		**42**	
Total VOCs [2]		**ND**		**1.2**	**J**	**5**	**J**	**0.77**	**J**	**ND**		**4**	**J**	**14.04**	**J**	**ND**		**0.63**	**J**	**ND**		**1,220**	**JDB**	**1,538**	**DJ**	**966**	**J**	**327.76**	**JD**	**305**	**JNZ**	**1,160.4**	**J**	**257.91**	**JF1F2**	**841.15**	**J**	**199.2**	**J**	**263.6**	**J**
Field Parameter Results																																									
DO (mg/L)	NS	NA		NA		NA		NA		NA		NA		NA		**10.59**		**12.38**		**7.55**		NA		NA		NA		NA		NA		NA		**4.75**		**3.98**		**0.39**			
ORP (MeV)	NS	NA		NA		NA		NA		NA		NA		NA		**187.3**		**78.7**		**107.1**		NA		NA		NA		NA		NA		NA		**217.1**		**-14.5**		**-65.2**			
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA		NA		NA		NA		**0**		**0**		NA		NA		NA		NA		NA		NA		NA		**0**		**0**		NA			
Semi-Volatile Organic Compounds(µg/L)																																									
1,2-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		5.1	U	NA		NA		NA		**25**		NA		NA		4.7	U	NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		5.1	U	NA		NA		NA		**2**	**J**	NA		NA		4.7	U	NA		NA		NA		NA		NA		NA	
Biphenyl	5	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	NA		NA		NA		4.7	U	NA		49	U	5	U	10	U	5.2	U	5	U
2,4,5-Trichlorophenol	NS	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5.2	U	5	U
2,4-Dimethylphenol	50 (GV)	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		**9.3**	**J**	5	U	10	U	5.2	U	**5.1**	
2-Methylphenol	NS	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		49	U	5	U	10	U	5.2	U F1	**2.1**	**J**
2-Methylnaphthalene	NS	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	**24**		NA		NA		**15**		NA		49	U	5	U	10	U	5.2	U	**1.7**	**J**
4-Chloro-3-methylphenol	NS	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		49	U	5	U	10	U	5.2	U	5	U
4-Methylphenol	NS	10	U	NA		NA		9.4	U	NA		NA		10	U	10	U	10	U	10	U	**56**		NA		NA		**95**		NA		**12**	**J**	**0.45**	**J**	10	U F1	**15**			
Acenaphthene	20	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		49	U	5	U	10	U	5.2	U	5	U
Acetophenone	NS	NA		NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	NA		NA		NA		**180**		NA		49	U	5	U	10	U	5.2	U F1	5	U
Benzaldehyde	NS	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	10	U	NA		NA		NA		NA		NA		5	U	10	U	5.2	U	**20**	
BIS (2-Ethylhexyl) phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	2	U	5	U	**1**	**J**	NA		NA		4.7	U	NA		49	U	5	U	2	U	5.2	U	5	U
Di-n-butylphthalate	50	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	**15**		NA		NA		**10**		NA		**7.1**	**J**	**3.6**	**J**	**3.9**	**J**	**3.0**	**J**	**2.5**	**J**
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5.2	U	5	U
Dibenzofuran	NS	10	U	NA		NA		9.4	U	NA		NA		10	U	10	U	10	U	10	U	10	U	NA		NA		9.4	U	NA		**98**		10	U	10	U	10	U	10	U
Diethyl phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		49	U	5	U	10	U	5.2	U	5	U
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5.2	U	5	U
Fluorene	50 (GV)	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		49	U	5	U	10	U	5.2	U	5	U
Naphthalene	10 (GV)	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	**110**		NA		NA		**76**		NA		49	U	**2.1**	**J**	**4.8**	**J**	5.2	U	**6.3**	
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5.2	U	5	U
Phenol	1	10	U	NA		NA		4.7	U	NA		NA		5.1	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		**9.9**	**J**	5	U	10	U	5.2	U	**1.4**	**J**
Organochlorine Pesticides (µg/L)																																									
4,4-DDD	0.3	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049	U	0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
4,4'-DDE	0.2	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049	U	0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
4,4'-DDT	0.2	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049	U	0.05	U	0.020	U	**0.082**	**J**	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Aldrin	ND	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	**0.016**	**J**	0.050	U
alpha-BHC	0.01	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		**0.015**	**J**	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	**0.29**	**BJ**	0.25	U	0.020	U	**0.019**	**J**	0.050	U
alpha-Chlordane (cis)	NS	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	**0.015**	**J**
beta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	**0.092**	**F2**	**0.034**	**J**
delta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		**0.016**	**J**	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	**0.33**	**J**	0.25	U	0.020	U	0.052	U	0.050	U
Dieldrin	0.004	NA		NA		NA		0.24	U	0.1	U	0.1	U	**0.0097**	**J**	0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Endosulfan I	NS	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Endosulfan II	NS	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Endosulfan Sulfate	NS	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Endrin Aldehyde	5	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049		0.05	U	0.020	U	**2.1**	**B**	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U-F1F2	0.050	U*+
Endrin Ketone	5	NA		NA		NA		0.24	U	0.1	U	0.1	U	0.049		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.1	U	1	U	0.25	U	0.020	U	0.052	U	**0.027**	**J**
gamma-BHC (Lindane)	0.05	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049		**0.011**	**J**	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	**0.028**	**J**
gamma-Chlordane	NS	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049	U	0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Heptachlor	0.04	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049	U	0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Heptachlor Epoxide	0.03	NA		NA		NA		0.24	U	0.05	U	0.05	U	0.049	U	0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U
Methoxychlor	35	NA		NA		NA		0.24	U	0.05	U	0.05	U	NA		0.05	U	0.020	U	0.025	U	NA		NA		NA		2.4	U	0.05	U	1	U	0.25	U	0.020	U	0.052	U	0.050	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		VEW-2																																	
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/13/15		3/16/17		3/16/2017 [1]		5/14/19		6/3/21		8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/14/15		3/16/17		5/14/19		6/3/21	
Volatile Organic Compounds (µg/L)																																					
1,1-Dichloroethane	5	5	U	5	U	5	U	1.0		10	U	NA		1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0		10	U	NA		1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	**22**		**9.8**		5	U	NA		10	U	**170**		1	U	1	U	1	U	**3.9**		**130**		**130**		**2**	**J**	NA		**37**	**JN**	NA		1	U	**30**		**100**	
1,2-Dichlorobenzene	3	**1**	**J**	**1.2**	**J**	5	U	1.0	U	10	U	**18**		1	U	1	U	1	U	1	U	**30**		**25**		5	U	**3.1**		**5**	**J**	NA		1	U	**6.9**		**9.9**	
1,3,5-Trimethylbenzene	5	**1**	**J**	5	U	5	U	NA		10	U	**57**		1	U	1	U	1	U	1	U	**110**		**110**		**1.8**	**J**	NA		**28**	**JN**	NA		1	U	**21**		**74**	
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	**1.0**	**J**	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1.0	U	10	U	10	U	10	U	10	U	5	U	10	U	**9**		**11**		5	U	**3.2**	**J**	10	U	NA		1	U	5	U	**6.8**	**J**
4-Isopropyltoluene	5	5	U	5	U	5	U	1.0	U	10	U	**3.8**		1	U	1	U	1	U	1	U	**12**		**12**		5	U	1.0	U	10	U	NA		1	U	**1.3**		**10**	
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	**11**		**3**	**J**	10	U	5	U	10	U	5	U	5	U	5	U	10	U	10	U	NA		**3.2**	**J**	5	U	**3.2**	**J**
Carbon Disulfide	60	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
Chloroform	7	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
Chloroethane	5	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
Chloromethane	NS	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
cis-1,2-Dichloroethene	5	**39**		**4.6**	**J**	5	U	1.0	U	10	U	**9.9**		1	U	1	U	**1.6**		**2.0**		**4**	**J**	**2.6**	**J**	5	U	1.0	U	10	U	NA		1	U	**0.35**	**J**	1	U
Cyclohexane	NS	NA		NA		NA		1.0	U	10	U	**1.3**		1	U	1	U	1	U	1	U	NA		NA		NA		1.0	U	10	U	NA		1	U	1	U	**0.79**	**J**
Ethylbenzene	5	**5**		**1.6**	**J**	5	U	1.0	U	10	U	**45**		1	U	1	U	1	U	**1.2**		**32**		**38**		5	U	**6.6**		**10**		NA		1	U	**13**		**19**	
Isopropylbenzene	5	5	U	5	U	5	U	1.0	U	10	U	**11**		1	U	1	U	1	U	1	U	**6**		**6.9**		5	U	**0.87**	**J**	**1**	**J**	NA		1	U	**1.7**		**6.1**	
m,p-Xylene	5	**5**		**1.8**	**J**	5	U	2.0	U	NA		**150**		2	U	2	U	1	U	**1.5**	**J**	**120**		**150**		**2.9**	**J**	**22**		NA	U	NA		2	U	**43**		**52**	
Methylcyclohexane	NS	NA		NA		NA		1.0	U	10	U	**0.83**	**J**	1	U	1	U	1	U	1	U	NA		NA		NA		1.0	U	10	U	NA		1	U	1	U	**1.3**	
Methylene Chloride	5	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
Naphthalene	10 (GV)	**6**	**B**	**4.4**	**J**	5	U	1.0	U	10	U	**45**		1	U	1	U	1	U	**0.91**	**J**	**70**		**45**		**1.8**	**J**	1.0	U	10	U	NA		1	U	**13**		**20**	
n-Butylbenzene	5	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	**17**		**15**		5	U	1.0	U	10	U	NA		1	U	1	U	1	U
n-Propylbenzene	5	**1**	**J**	**1.1**	**J**	5	U	1.0	U	10	U	**15**		1	U	1	U	1	U	1	U	**7**		**8.9**		5	U	1.0	U	10	U	NA		1	U	**1.7**		**8.6**	
o-Xylene	5	**17**		**4.5**	**J**	5	U	1.0	U	NA		**99**		1	U	1	U	1	U	**3.0**		**110**		**110**		**2.1**	**J**	**16**		NA		NA		1	U	**27**		**38**	
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	**1.8**		1	U	1	U	1	U	1	U	**4**	**J**	**5.1**		5	U	NA		10	U	NA		1	U	**0.88**	**J**	**5.0**	
Styrene	5	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	1	U	1	U	1	U	**2**	**J**	5	U	5	U	NA		10	U	NA		1	U	1	U	**1.6**	
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1	U	1	U	**1**	**J**	**1.2**	**J**	5	U	**1.4**		10	U	NA		1	U	**0.58**	**J**	**0.65**	**J**
Toluene	5	**3**	**J**	5	U	5	U	1.0	U	10	U	**17**		1	U	1	U	1	U	1	U	5	U	**7.9**		5	U	**3.2**		**4**	**J**	NA		1	U	**2.4**		**1.3**	
Trichloroethene	5	5	U	5	U	5	U	**0.88**	**J**	**3**	**J**	**0.47**	**J**	**1.1**		**0.9**	**J**	**1.5**		**0.5**	**J**	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	1	U
Xylene (Total)	NS	**22**		**6.3**		5	U	2.0	U	10	U	**250**		2	U	2	U	2	U	**4.5**		**230**		**260**		**5**		**38**		**64**		NA		2	U	**71**		**90**	
Total VOCs [2]		**100**	**JB**	**29**	**J**	**ND**		**0.88**	**J**	**3**	**J**	**656.1**	**J**	**4.1**	**J**	**0.9**	**J**	**3.1**		**13.01**	**J**	**665**	**J**	**679**	**J**	**11**	**J**	**56.37**	**J**	**85**	**JN**	NA		**3.2**	**J**	**162.81**	**J**	**358.24**	**J**
Field Parameter Results																																					
DO (mg/L)	NS	NA		NA		NA		NA		NA		NA		**8.21**				**7.08**		**1.82**		NA		NA		NA		NA		NA		NA		**8.95**		**5.85**		**2.53**	
ORP (MeV)	NS	NA		NA		NA		NA		NA		NA		**197.3**				**51.2**		**20.6**		NA		NA		NA		NA		NA		NA		**133.4**		**19.8**		**-12.9**	
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA		NA		NA		**3**				**0**		NA		NA		NA		NA		NA		NA		NA		**0.7**		**0**		NA	
Semi-Volatile Organic Compounds(µg/L)																																					
1,2-Dichlorobenzene	3	**1**	**J**	NA		NA		4.7	U	NA		NA		NA		NA		NA		NA		**21**		NA		NA		4.7	U	NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA		NA		10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA	
Biphenyl	5	NA		NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
2,4,5-Trichlorophenol	NS	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
2,4-Dimethylphenol	50 (GV)	**4**	**J**	NA		NA		4.7	U	NA		**9.5**		5	U	5	U	10	U	**1.6**	**J**	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
2-Methylphenol	NS	10	U	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
2-Methylnaphthalene	NS	10	U	NA		NA		4.7	U	NA		**2.6**	**J**	5	U	5	U	10	U	5	U	**2**	**J**	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
4-Chloro-3-methylphenol	NS	10	U	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	**1.9**	**J**	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
4-Methylphenol	NS	**6**	**J**	NA		NA		9.4	U	NA		**5.3**	**J**	10	U	10	U	10	U	10	U	10	U	NA		NA		9.4	U	NA		NA		10	U	10	U	10	U
Acenaphthene	20	10	U	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
Acetophenone	NS	NA		NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	NA		NA		NA		**6.8**		NA		NA		5	U	10	U	5	U
Benzaldehyde	NS	10	U	NA		NA		NA		NA		5.2	U	5	U	5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	**1**	**J**	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	2	U	5	U	**1**	**J**	NA		NA		4.7	U	NA		NA		5	U	2	U	5	U
Di-n-butylphthalate	50	10	U	NA		NA		4.7	U	NA		**0.72**	**J**	5	U	5	U	10	U	5	U	**1**	**J**	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		5.2	U	5	U	5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
Dibenzofuran	NS	10	U	NA		NA		4.7	U	NA		10	U	10	U	10	U	10	U	10	U	10	U	NA		NA		9.4	U	NA		NA		10	U	10	U	10	U
Diethyl phthalate	50 (GV)	10	U	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
Fluorene	50 (GV)	10	U	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
Naphthalene	10 (GV)	**2**	**J**	NA		NA		4.7	U	NA		**20**		5	U	5	U	10	U	5	U	**31**		NA		NA		**5.3**		NA		NA		5	U	**1.2**	**J**	**10**	
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	5	U	10	U	5	U	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U
Phenol	1	10	U	NA		NA		4.7	U	NA		5.2	U	5	U	5	U	10	U	5	U	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U
Organochlorine Pesticides (µg/L)																																					
4,4-DDD	0.3	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
4,4'-DDE	0.2	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
4,4'-DDT	0.2	NA		NA		NA		0.24	U	0.1	U	0.12	U	**0.012**	**J**	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
Aldrin	ND	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
alpha-BHC	0.01	NA		NA		NA		0.24	U	0.05	U	**0.029**	**BJ**	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
alpha-Chlordane (cis)	NS	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
beta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
delta-BHC	0.04	NA		NA		NA		0.24	U	0.05	U	**0.039**	**J**	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
Dieldrin	0.004	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
Endosulfan I	NS	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
Endosulfan II	NS	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
Endosulfan Sulfate	NS	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
Endrin Aldehyde	5	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
Endrin Ketone	5	NA		NA		NA		0.24	U	0.1	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.1	U	NA		0.05	U	0.020	U	0.050	U
gamma-BHC (Lindane)	0.05	NA		NA		NA		0.24	U	0.05	U	**0.054**	**J**	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
gamma-Chlordane	NS	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
Heptachlor	0.04	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
Heptachlor Epoxide	0.03	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U
Methoxychlor	35	NA		NA		NA		0.24	U	0.05	U	0.12	U	0.05	U	0.05	U	0.020	U	0.050	U	NA		NA		NA		0.24	U	0.05	U	NA		0.05	U	0.020	U	0.050	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		VEW-4																		MW-17																					
	AWQS or GV	8/14/07		11/25/08		3/25/10		1/10/12		6/25/13		10/14/15		3/16/17		5/14/19		6/3/21		10/14/15		12/8/15		12/8/15 [1]		3/8/16		5/31/16		5/31/2016 [1]		9/14/16		9/14/16 [1]		12/6/16		12/6/16 [1]		3/15/17		6/13/17		5/13/19		6/3/21	
Volatile Organic Compounds (µg/L)																																									
1,1-Dichloroethane	5	5	U	5	U	5	U	1.0		10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
1,2,4-Trimethylbenzene	5	**12**		**170**		**3.1**	**J**	NA		**28**	**JN**	NA		1	U	**25**		**140**		**220**		5	U	5	U	**61**		**170**		**200**		**87**		**100**		**200**		**200**		**92**		**160**		**45**		**350**	
1,2-Dichlorobenzene	3	**2**	**J**	**16**		5	U	**3.9**		**1**	**J**	NA		1	U	**1.5**		**6.1**		**28**		**15**		**14**		10	U	**14**		20	U	**11**		**12**		**15**		**15**		**7.3**		**14**		**3.8**		**31**	
1,3,5-Trimethylbenzene	5	**6**		**100**		**2.1**	**J**	NA		**20**	**JN**	NA		1	U	**15**		**90**		**140**		5	U	5	U	**54**		**100**		**120**		**37**		**51**		**85**		**83**		**40**		**72**		**19**		**160**	
1,4-Dichlorobenzene	3	5	U	**1**	**J**	5	U	1.0	U	10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
2-Butanone (MEK)	50 (GV)	5	U	**8.1**		5	U	**3.0**	**J**	10	U	NA		1	U	5	U	20	U	50	U	50	U	50	U	100	U	100	U	200	U	5	U	5	U	**9.2**	**J**	50	U	20	U	4	U	5	U	100	U
4-Isopropyltoluene	5	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	**2.8**		**24**		**28**		5	U	5	U	**6.6**	**J**	**19**		**25**		**9.7**		**12**		**18**		**19**		**8.3**		**14**		**4.5**		**29**	
Acetone	50 (GV)	**70**		**8.8**		5	U	**5.2**	**J**	10	U	NA		**3**	**J**	5	U	20	U	50	U	**25**	**J**	**24**	**J**	100	U	100	U	200	U	50	U	50	U	50	U	50	U	**15**	**J**	40	U	5	U	100	U
Carbon Disulfide	60	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	**0.26**	**J**	4	U	5	U	5	U	5	U	**2.7**	**J**	**4.4**	**J**	20	U	**1.3**	**J**	**2.3**	**J**	**1.6**	**J**	5	U	**0.65**	**J**	4	U	1	U	10	U
Chloroform	7	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
Chloroethane	5	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
Chloromethane	NS	5	U	5	U	**6.1**		1.0	U	10	U	NA		1	U	1	U	4	U	5	U	**7**		**7**		10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
cis-1,2-Dichloroethene	5	**2**	**J**	**3.5**	**J**	5	U	**2.0**		10	U	NA		1	U	**0.67**	**J**	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
Cyclohexane	NS	NA		NA		NA		1.0	U	10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
Ethylbenzene	5	5	U	**17**		5	U	**4.3**		10	U	NA		1	U	**2.2**		**7.0**		**4**	**J**	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	**0.64**	**J**	10	U
Isopropylbenzene	5	5	U	**4.5**	**J**	5	U	**2.0**		10	U	NA		1	U	**0.51**	**J**	4	U	**9.1**		5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	**4.4**	**J**	**2.5**		**3.4**	**J**	**1.1**		10	U
m,p-Xylene	5	**4**	**J**	**84**		**1.5**	**J**	**18**		NA		NA		2	U	**8.1**		**26**		**21**		10	U	10	U	20	U	20	U	40	U	**3.3**	**J**	**4**	**J**	**11**		**12**		**6.8**		**12**		**3**		**19**	**J**
Methylcyclohexane	NS	NA		NA		NA		**0.81**	**J**	10	U	NA		1	U	1	U	**0.72**	**J**	**4.8**	**J**	5	U	5	U	10	U	10	U	20	U	5	U	**3**	**J**	**1.2**	**J**	5	U	**0.93**	**J**	**1.2**	**J**	**0.64**	**J**	**3.3**	**J**
Methylene Chloride	5	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	**5.7**	**J**	10	U	20	U	5	U	5	U	5	U	5	U	2	U	**2.1**	**J**	1	U	10	U
Naphthalene	10 (GV)	**18**		**60**		5	U	1.0	U	10	U	NA		1	U	**8.3**		**37**		**32**		5	U	5	U	**6.9**	**J**	**26**		**27**		**11**		**12**		**26**		**24**		**11**		**19**		**5.3**		**41**	
n-Butylbenzene	5	5	U	**14**		5	U	1.0	U	10	U	NA		1	U	1	U	4	U	**36**		5	U	5	U	10	U	**22**		**27**		**12**		**10**		**7.5**		**23**		**9.4**		**16**		**2.1**		**30**	
n-Propylbenzene	5	5	U	**3.3**	**J**	5	U	1.0	U	10	U	NA		1	U	**0.71**	**J**	**4.3**		**16**		5	U	5	U	10	U	10	U	20	U	**4.8**	**J**	**6.2**		**7.9**		**7.9**		**4.5**		**6.5**		**2.2**		**15**	
o-Xylene	5	**20**		**180**		**2.5**	**J**	**36**		NA		NA		1	U	**16**		**50**		**32**		**8.2**		**7.8**		**11**		**23**		**25**		**5.6**		**5.6**		**21**		**23**		**11**		**21**		**5.3**		**31**	
sec-Butylbenzene	5	5	U	**4.1**	**J**	5	U	NA		10	U	NA		1	U	**1.1**		**9.4**		**16**		5	U	5	U	10	U	**7.9**	**J**	20	U	**5.3**		**7.8**		**8.3**		**9.4**		**4.1**		**7**		**2.6**		**18**	
Styrene	5	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	NA		1	U	1	U	4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	**0.59**	**J**	10	U
Tetrachloroethene (PCE)	5	5	U	**3**	**J**	5	U	**0.45**	**J**	10	U	NA		1	U	**0.48**	**J**	4	U	**4.6**	**J**	**4.1**	**J**	**3.6**	**J**	10	U	10	U	20	U	**3**	**J**	**4.3**	**J**	**2.5**	**J**	5	U	**1.7**	**J**	**3.2**	**J**	**0.94**	**J**	**4.7**	**J**
Toluene	5	**2**	**J**	**7.8**		5	U	**1.6**		10	U	NA		1	U	**1.3**		**2.5**	**J**	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
Trichloroethene	5	5	U	**3**	**J**	**1**	**J**	**1.2**		**2**	**J**	NA		**1**		**2.1**		4	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	2	U	4	U	1	U	10	U
Xylene (Total)	NS	**24**		**270**		**4**	**J**	**54**		**13**		NA		2	U	**24**		**76**		**53**		**8.2**	**J**	**7.8**	**J**	**11**	**J**	**23**		**25**	**J**	**8.9**	J	**9.6**	**J**	**32**		**35**		**18**		**33**		**8.3**		**50**	
Total VOCs [2]		**136**	**J**	**688.0**	**J**	**16**	**J**	**78.46**	**J**	**49**	**JN**	NA		**4**	**J**	**86.03**	**J**	**397.02**	**J**	**591.5**	**J**	**59.3**	**J**	**56.4**	**J**	**147.9**	**J**	**386.3**	**J**	**424**	**J**	**191**	**J**	**230.2**	**J**	**414.2**	**J**	**420.7**	**J**	**215.18**	**J**	**351.4**	**J**	**96.71**	**J**	**732.0**	**J**
Field Parameter Results																																													
DO (mg/L)	NS	NA		NA		NA		NA		NA		NA		**5.27**		**2.85**		**0.16**		NA		**0.54**				**0.2**		**0.1**				**0.38**				**0.43**				**0.48**		**0.13**		**2.46**		**0.22**	
ORP (MeV)	NS	NA		NA		NA		NA		NA		NA		**145.6**		**13.4**		**-46.1**		NA		**-99**				**-157**		**-165**				**-124.8**				**-133.2**				**-102.6**		**-153.3**		**4.1**		**-124.8**	
Sodium Persulfate (mg/L)	NS	NA		NA		NA		NA		NA		NA		**0.7**		**0.1**		NA		NA		NA				**4.2**		**2.1**				**0.7**				**1.4**				**0.7**		**2**		**0**		NA	
Semi-Volatile Organic Compounds(µg/L)																																												
1,2-Dichlorobenzene	3	**5**	**J**	NA		NA		4.7	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Biphenyl	5	NA		NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
2,4,5-Trichlorophenol	NS	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	52	U	**0.56**	**J**	**0.59**	**J**	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
2,4-Dimethylphenol	50 (GV)	**9**	**J**	NA		NA		**3.7**	**J**	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	**0.76**	**J**	24	U	25	U	5	U	25	U	10	U	5	U
2-Methylphenol	NS	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
2-Methylnaphthalene	NS	**1**	**J**	NA		NA		**4.6**	**J**	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	**0.69**	**J**	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	**6.1**	
4-Chloro-3-methylphenol	NS	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
4-Methylphenol	NS	**110**		NA		NA		**8.2**	**J**	NA		NA		10	U	10	U	10	U	100	U	**0.66**	**J**	**0.62**	**J**	**7.4**	**J**	**6.7**	**J**	**5**	**J**	4.9	U	**0.47**	**J**	**9**	**J**	**7**	**J**	**2.1**	**J**	**2.1**	**J**	10	U	**1.3**	**J**
Acenaphthene	20	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Acetophenone	NS	NA		NA		NA		**120**		NA		NA		5	U	10	U	5	U	52	U	**27**		**26**		4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Benzaldehyde	NS	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	**2**	**J**	NA		NA		4.7	U	NA		NA		5	U	2	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	2	U	5	U
Di-n-butylphthalate	50	**1**	**J**	NA		NA		**1.4**	**J**	NA		NA		5	U	10	U	**0.91**	**J**	52	U	**0.8**	**J**	**0.75**	**J**	**0.44**	**J**	4.9	U	**0.35**	**J**	**0.51**	**J**	4.7	U	24	U	25	U	5	U	25	U	10	U	**0.77**	**J**
Di-n-octylphthalate	50 (GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Dibenzofuran	NS	10	U	NA		NA		**9.4**	U	NA		NA		10	U	10	U	10	U	52	U	9.6	U	9.6	U	9.4	U	9.8	U	9.4	U	9.8	U	9.4	U	48	U	50	U	10	U	50	U	10	U	10	U
Diethyl phthalate	50 (GV)	10	U	NA		NA		**1**	**J**	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Fluoranthene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Fluorene	50 (GV)	10	U	NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Naphthalene	10 (GV)	**23**		NA		NA		**24**		NA		NA		5	U	10	U	5	U	**13**	**J**	4.8	U	4.8	U	**4.8**		**9.3**		**8.8**		4.9	U	4.7	U	**14**	U	**9.5**	**J**	**12**		**7.7**	**J**	10	U	**35**	
Phenanthrene	50(GV)	NA		NA		NA		NA		NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Phenol	1	**20**		NA		NA		4.7	U	NA		NA		5	U	10	U	5	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	5	U	25	U	10	U	5	U
Organochlorine Pesticides (µg/L)																																												
4,4-DDD	0.3	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	**0.13**	**J**	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
4,4'-DDE	0.2	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	**0.035**	**J**	0.46	U	**0.13**	**J**	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
4,4'-DDT	0.2	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Aldrin	ND	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	**0.035**	**J**	**0.14**	**J**	**0.16**	**J**	0.49	U	0.25	U	0.046	U	**0.064**	**J**	**0.059**	**J**	**0.089**	**J**	**0.073**	**J**	**0.12**	**J**	**0.038**	**J**	0.020	U	**0.052**	**J**
alpha-BHC	0.01	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	**0.086**	**J**	**0.084**	**J**	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
alpha-Chlordane (cis)	NS	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	**0.098**	**J**	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	**0.091**	**J**	0.020	U	0.057	U
beta-BHC	0.04	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	**0.025**	**J**	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
delta-BHC	0.04	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	**0.045**	**J**	**0.25**	**J**	**0.26**	**J**	**0.16**	**J**	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	**0.053**	**J**
Dieldrin	0.004	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	**0.13**	**J**	**0.13**	**J**	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Endosulfan I	NS	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Endosulfan II	NS	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Endosulfan Sulfate	NS	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	**0.27**	**J**	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Endrin Aldehyde	5	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	**0.042**	**J**	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Endrin Ketone	5	NA		NA		NA		2.4	U	0.1	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
gamma-BHC (Lindane)	0.05	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	**0.049**	**J**	**0.023**	**J**	**0.12**	**J**	**0.12**	**J**	**0.11**	**JB**	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	**0.049**	**J**	0.020	U	0.057	U
gamma-Chlordane	NS	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	**0.017**	**J**	**0.055**	**J**	**0.06**	**J**	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U
Heptachlor	0.04	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	**0.073**	**J**	0.020	U	0.057	U
Heptachlor Epoxide	0.03	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	**0.022**	**J**
Methoxychlor	35	NA		NA		NA		2.4	U	0.05	U	NA		0.05	U	0.020	U	0.050	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.5	U	0.1	U	0.020	U	0.057	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-18									
	AWQS or GV	10/14/15	12/8/15	3/8/16	5/31/16	9/14/16	12/6/16	3/15/17	6/13/17	5/13/19	6/3/21
Volatile Organic Compounds (µg/L)											
1,1-Dichloroethane	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	**440**	**15**	10 U	10 U	**3.3** J	1 U	1 U	1 U	1 U	**3.4**
1,2-Dichlorobenzene	3	**26**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	**180**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	**4.4** J	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	50 (GV)	50 U	100 U	100 U	100 U	40 U	10 U	1 U	1 U	5 U	10 U
4-Isopropyltoluene	5	**31**	**3.5** J	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Acetone	50 (GV)	50 U	**73** J	100 U	100 U	**16** J	10 U	10 U	**3.1** J	5 U	10 U
Carbon Disulfide	60	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	NS	5 U	**17**	10 U	10 U	4 U	1 U	1 U	4 U	1 U	1 U
cis-1,2-Dichloroethene	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	**46**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	**21**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	5	**220**	20 U	20 U	20 U	**2.6** J	2.5 U	2 U	2 U	1 U	**1.2** J
Methylcyclohexane	NS	**7**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	5 U	**4.5** J	**6.3** J	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	10 (GV)	**55**	**9.2** J	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	**41**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	**42**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	**120**	10 U	10 U	10 U	**8.5**	1 U	1 U	1 U	1 U	**1.3**
sec-Butylbenzene	5	**21**	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
tert- Butylbenzene	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	5	**18**	10 U	**3.6** J	10 U	**11**	**6.9**	**5.4**	**2.2**	**3.4**	**2.3**
Toluene	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5 U	10 U	10 U	10 U	4 U	1 U	1 U	1 U	1 U	1 U
Xylene (Total)	NS	**340**	20 U	20 U	20 U	**11**	2 U	2 U	2 U	2 U	**2.5**
Total VOCs [2]		**1272.4** J	**122.2** J	**9.9** J	**--**	**41.4** J	**6.9**	**5.4**	**5.3** J	**3.4**	**8.2** J
Field Parameter Results											
DO (mg/L)	NS	NA	**29**	**42**	**19**	**24.88**	**22.8**	**18.02**	**20.44**	**11.29**	**7.11**
ORP (MeV)	NS	NA	**199**	**147**	**166**	**180.3**	**172.3**	**165.4**	**209.4**	**96.5**	**79.3**
Sodium Persulfate (mg/L)	NS	NA	NA	**70**	**10**	**70**	**3.5**	**5.6**	**1.4**	**0**	NA
Semi-Volatile Organic Compounds(µg/L)											
1,2-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	5	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
2,4,5-Trichlorophenol	NS	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
2,4-Dimethylphenol	50 (GV)	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
2-Methylphenol	NS	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
2-Methylnaphthalene	NS	26 U	**5.4**	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
4-Chloro-3-methylphenol	NS	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
4-Methylphenol	NS	**9.0** J	**1.5** J	9.7 U	9.9 U	4.6 U	25 U	10 U	10 U	10 U	11 U
Acenaphthene	20	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Acetophenone	NS	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Benzaldehyde	NS	26 U	**8.5**	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
BIS (2-Ethylhexyl) phthalate	50 (GV)	26 U	4.6 U	**0.52** JB	5.0 U	4.6 U	25 U	5 U	5 U	2 U	5.7 U
Di-n-butylphthalate	50	26 U	**0.47** J	4.9 U	5.0 U	4.6 U	25 U	5 U	**0.63** J	10 U	5.7 U
Di-n-octylphthalate	50 (GV)	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Dibenzofuran	NS	26 U	4.6 U	9.8 U	10 U	9.2 U	50 U	10 U	10 U	10 U	11 U
Diethyl phthalate	50 (GV)	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Fluoranthene	50(GV)	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Fluorene	50 (GV)	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Naphthalene	10 (GV)	26 U	4.6 U	**0.78** J	5.0 U	**1.9** J	25 U	5 U	5 U	10 U	5.7 U
Phenanthrene	50(GV)	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Phenol	1	26 U	4.6 U	4.9 U	5.0 U	4.6 U	25 U	5 U	5 U	10 U	5.7 U
Organochlorine Pesticides (µg/L)											
4,4-DDD	0.3	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
4,4'-DDE	0.2	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
4,4'-DDT	0.2	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	**0.012** J	0.05 U	0.020 U	0.060 U
Aldrin	ND	0.25 U	**0.11** J	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
alpha-BHC	0.01	0.25 U	**0.13** J	**0.05** J	0.049 U	**0.058** J	0.05 U	**0.0093** J	0.05 U	0.020 U	0.060 U
alpha-Chlordane (cis)	NS	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	**0.017** J	0.05 U	0.020 U	0.060 U
beta-BHC	0.04	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
delta-BHC	0.04	0.25 U	**0.25** J	**0.057** J	**0.018** J	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Dieldrin	0.004	0.25 U	**0.1** J	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Endosulfan I	NS	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Endosulfan II	NS	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Endosulfan Sulfate	NS	0.25 U	**0.24** J	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Endrin Aldehyde	5	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Endrin Ketone	5	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
gamma-BHC (Lindane)	0.05	0.25 U	**0.13** J	**0.063** JB	0.049 U	0.24 U	**0.013** JB	0.05 U	0.05 U	0.020 U	0.060 U
gamma-Chlordane	NS	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	**0.013** J	0.05 U	0.020 U	0.060 U
Heptachlor	0.04	**0.11** J	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Heptachlor Epoxide	0.03	0.25 U	0.46 U	0.23 U	0.049 U	0.24 U	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U
Methoxychlor	35	0.25 U	**0.13** J	0.23 U	0.049 U	**0.16** J	0.05 U	0.05 U	0.05 U	0.020 U	0.060 U

Well ID	MW-19				MW-20			
	10/15/15	3/15/17	5/16/19	6/2/21	10/15/15	3/15/17	5/16/19	6/2/21
Volatile Organic Compounds (µg/L)								
1,1-Dichloroethane	1 U	1 U	**0.27** J	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	**5.8** J	1 U	5 U	10 U	**1.5** J	1 U	5 U	10 U
4-Isopropyltoluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	10 U	10 U	5 U	10 U	10 U	**3** J	5 U	10 U
Carbon Disulfide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	1 U	1 U	1 U	1 U	1 U	**0.37** J	1 U	**1.3**
Chloroethane	1 U	10 U	1 U	1 U	10 U	10 U	1 U	1 U
Chloromethane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	1 U	1 U	**0.29** J	1 U	1 U	1 U	1 U	1 U
Cyclohexane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m,p-Xylene	2 U	1 U	1 U	2 U	1 U	1 U	1 U	2 U
Methylcyclohexane	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	1 U	2 U	1 U	1 U	2 U	2 U	1 U	1 U
o-Xylene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert- Butylbenzene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	1 U	1 U	1 U	1 U	**0.49** J	1 U	1 U	1 U
Xylene (Total)	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Total VOCs [2]	**5.8** J	**ND**	**0.56** J	**ND**	**1.99** J	**3.37** J	**ND**	**1.3**
Field Parameter Results								
DO (mg/L)	NA	**0.82**	**1.84**	**0.25**	NA	**8.51**	**7.5**	**3.49**
ORP (MeV)	NA	**228.4**	**68.7**	**90.7**	NA	**284.5**	**43.3**	**58.7**
Sodium Persulfate (mg/L)	NA	**14**	**0**	NA	NA	**0.7**	**0**	NA
Semi-Volatile Organic Compounds(µg/L)								
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
2,4,5-Trichlorophenol	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
2,4-Dimethylphenol	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
2-Methylphenol	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
2-Methylnaphthalene	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
4-Chloro-3-methylphenol	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Acetophenone	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Benzaldehyde	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
BIS (2-Ethylhexyl) phthalate	5 U	5 U	2 U	5 U	5 U	5 U	2 U	5 U
Di-n-butylphthalate	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Di-n-octylphthalate	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Fluoranthene	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Fluorene	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Naphthalene	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Phenanthrene	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Phenol	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U
Organochlorine Pesticides (µg/L)								
4,4-DDD	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
4,4'-DDE	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
4,4'-DDT	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Aldrin	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
alpha-BHC	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
alpha-Chlordane (cis)	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
beta-BHC	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
delta-BHC	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Dieldrin	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Endosulfan I	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Endosulfan II	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Endosulfan Sulfate	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Endrin Aldehyde	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Endrin Ketone	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
gamma-BHC (Lindane)	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
gamma-Chlordane	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Heptachlor	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Heptachlor Epoxide	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U
Methoxychlor	0.053 U	0.05 U	0.020 U	0.050 U	0.051 U	0.05 U	0.020 U	0.052 U

Well ID	MW-21								
	10/15/15	3/8/16	5/31/16	9/14/16	12/6/16	3/17/17	6/13/17	5/16/19	6/2/21
Volatile Organic Compounds (µg/L)									
1,1-Dichloroethane	20 U	1 U	1 U	**0.9** J	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	**140**	**0.91** J	1 U	**130**	1 U	1 U	1 U	1 U	**52**
1,2-Dichlorobenzene	20 U	**1.1**	1 U	**12**	1 U	1 U	1 U	1 U	**5.9**
1,3,5-Trimethylbenzene	**39**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**7.9**
1,4-Dichlorobenzene	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone (MEK)	200 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U
4-Isopropyltoluene	**12** J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**1.9** J
Acetone	200 U	10 U	10 U	10 U	10 U	10 U	10 U	5 U	10 U
Carbon Disulfide	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	20 U	1 U	1 U	**0.72** J	1 U	1 U	1 U	1 U	1 U
Chloromethane	20 U	1 U	1 U	1 U	1 U	1 U	4 U	1 U	1 U
cis-1,2-Dichloroethene	20 U	**2.5**	**1.8**	**14**	1 U	1 U	**0.93** J	1 U	**3.7**
Cyclohexane	20 U	1 U	1 U	**1.7**	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	**43**	1 U	1 U	**70**	1 U	1 U	1 U	1 U	**21**
Isopropylbenzene	20 U	1 U	1 U	**19**	1 U	1 U	1 U	1 U	**8.3**
m,p-Xylene	**54**	2 U	2 U	**1.2** J	2 U	2 U	2 U	1 U	**18**
Methylcyclohexane	20 U	1 U	1 U	**4.2**	**0.22** J	1 U	1 U	1 U	**1.2** J
Methylene Chloride	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**3.2**
n-Butylbenzene	**30**	1 U	1 U	**18**	1 U	1 U	1 U	1 U	**6.5**
n-Propylbenzene	**15** J	1 U	1 U	**28**	1 U	1 U	1 U	1 U	**12**
o-Xylene	**120**	1 U	1 U	**42**	1 U	1 U	1 U	1 U	**34**
sec-Butylbenzene	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**6.8**
Styrene	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
tert- Butylbenzene	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene (PCE)	20 U	1 U	1 U	**0.52** J	1 U	1 U	1 **U**	1 U	1 U
Toluene	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	20 U	1 U	1 U	**0.63** J	1 U	1 U	1 U	1 U	1 U
Xylene (Total)	**170**	1 U	1 U	**43**	2 U	2 U	2 U	2 U	**52**
Total VOCs [2]	**453** J	**4.51** J	**1.8**	**341.97** J	**0.22** J	**ND**	**0.93** J	**ND**	**182.4** J
Field Parameter Results									
DO (mg/L)	NA	**1.2**	**3.7**	**0.25**	**6.09**	**6.17**	**2.35**	**7.76**	**1.23**
ORP (MeV)	NA	**-78**	**-18**	**-108.7**	**84.7**	**155.3**	**140.4**	**52.2**	**-22**
Sodium Persulfate (mg/L)	NA	**2.5**	**0.7**	**0.7**	**4.2**	**1.4**	**1**	**0**	NA
Semi-Volatile Organic Compounds(µg/L)									
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA
Biphenyl	5.7 U	4.6 U	4.6 F2	4.6 U	4.8 U	5 U	5 U	10 U	5 U
2,4,5-Trichlorophenol	5.7 U	4.6 U	4.6 F2F1	4.6 U	4.8 U	5 U	5 U	10 U	5 U
2,4-Dimethylphenol	**2.4** J	4.6 U	4.6 F2F1	4.6 U	4.8 U	5 U	5 U	10 U	5 U
2-Methylphenol	5.7 U	4.6 U	4.6 F2	4.6 U	4.8 U	5 U	5 U	10 U	5 U
2-Methylnaphthalene	5.7 U	4.6 U	4.6 F2	4.6 U	**0.83** J	5 U	5 U	10 U	5 U
4-Chloro-3-methylphenol	5.7 U	4.6 U	4.6 F2	4.6 U	4.8 U	5 U	5 U	10 U	5 U
4-Methylphenol	**1.7** J	9.2 U	9.3 F2	4.6 U	4.8 U	10 U	10 U	10 U	10 U
Acenaphthene	5.7 U	4.6 U	4.6 F2	4.6 U	**0.87** J	5 U	5 U	10 U	5 U
Acetophenone	5.7 U	4.6 U	4.6 F2F1	4.6 U	4.8 U	5 U	5 U	10 U	5 U
Benzaldehyde	5.7 U	4.6 U	4.6 F2	4.6 U	4.8 U	5 U	5 U	10 U	5 U
BIS (2-Ethylhexyl) phthalate	**0.61** JB	4.6 U	4.6 F2F1	4.6 U	4.8 U	5 U	5 U	2 U	5 U
Di-n-butylphthalate	**0.71** J	4.6 U	4.6 F2	**0.96** J	4.8 U	5 U	**0.61** J	10 U	5 U
Di-n-octylphthalate	**0.93** J	4.6 U	4.6 F2	4.6 U	4.8 U	5 U	5 U	10 U	5 U
Dibenzofuran	11.4 U	9.2 U	9.2 U	9.2 U	**0.58** J	10 U	10 U	10 U	10 U
Diethyl phthalate	5.7 U	4.6 U	4.6 F2F1	4.6 U	4.8 U	5 U	5 U	10 U	5 U
Fluoranthene	5.7 U	4.6 U	4.6 F2	4.6 U	**0.46** J	5 U	5 U	10 U	5 U
Fluorene	5.7 U	4.6 U	4.6 F2F1	4.6 U	**0.5** J	5 U	5 U	10 U	5 U
Naphthalene	5.7 U	4.6 U	4.6 F2	4.6 U	**0.75** J	5 U	5 U	10 U	**1.9** J
Phenanthrene	5.7 U	4.6 U	4.6 F2	4.6 U	**0.97** J	5 U	5 U	10 U	5 U
Phenol	5.7 U	4.6 U	4.6 U	4.6 U	4.8 U	5 U	5 U	10 U	5 U
Organochlorine Pesticides (µg/L)									
4,4-DDD	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
4,4'-DDE	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
4,4'-DDT	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Aldrin	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
alpha-BHC	0.25 U	**0.03** J	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
alpha-Chlordane (cis)	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
beta-BHC	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
delta-BHC	0.25 U	0.098 U	**0.014** J	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Dieldrin	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Endosulfan I	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Endosulfan II	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Endosulfan Sulfate	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Endrin Aldehyde	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Endrin Ketone	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
gamma-BHC (Lindane)	0.25 U	**0.017** JB	**0.0089** J	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
gamma-Chlordane	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Heptachlor	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Heptachlor Epoxide	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U
Methoxychlor	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U	0.05 U	0.05 U	0.020 U	0.050 U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 1
Groundwater Analytical Results

August 2007 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-22																							
	AWQS or GV	10/14/15		12/8/15		3/8/16		3/08/16 [1]		5/31/16		9/14/16		12/6/16		3/15/17		6/13/17		6/13/17 [1]		5/15/19		6/3/21	
Volatile Organic Compounds (µg/L)																									
1,1-Dichloroethane	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	5	**21**		**26**		**19**		**13**		**5.9**		5	U	5	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	**11**		**13**		**15**		**16**		**5.2**		5	U	5	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
2-Butanone (MEK)	50 (GV)	**14**	J	100	U	10	U	50	U	50	U	50	U	50	U	1	U	1	U	1	U	5	U	10	U
4-Isopropyltoluene	5	**6.3**		**8.2**	J	**5.8**		**5.1**		**3.1**	J	**1.7**	J	5	U	1	U	1	U	1	U	1	U	1	U
Acetone	50 (GV)	50	U	100	U	10	U	50	U	50	U	50	U	50	U	10	U	**5.8**	J	**6.2**	J	5	U	10	U
Carbon Disulfide	60	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Chloromethane	NS	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NS	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Ethylbenzene	5	**5.5**		10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
m,p-Xylene	5	**22**		20	U	10	U	10	U	10	U	10	U	10	U	2	U	1	U	1	U	1	U	1	U
Methylcyclohexane	NS	**3.1**	J	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	5	5	U	10	U	5	U	**3.7**	J	5	U	**3.6**	J	5	U	1	U	1	U	1	U	1	U	1	U
Naphthalene	10 (GV)	5	U	**4.3**	J	**2.8**	J	5	U	5	U	5	U	5	U	1	U	2	U	2	U	1	U	1	U
n-Butylbenzene	5	**8**		**9.8**	J	**3.3**	J	**3.5**	J	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
n-Propylbenzene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
o-Xylene	5	**14**		10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
sec-Butylbenzene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
tert- Butylbenzene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Tetrachloroethene (PCE)	5	**3.4**	J	10	U	5	U	5	U	5	U	**2.4**	J	5	U	**0.66**	J	**8.8**		**8.7**		**4.1**		**1.5**	
Toluene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	1	U	1	U	1	U	1	U
Trichloroethene	5	5	U	10	U	5	U	5	U	5	U	5	U	5	U	1	U	**1.8**		**1.6**		1	U	1	U
Xylene (Total)	NS	**36**		20	U	10	U	10	U	10	U	10	U	10	U	2	U	2	U	2	U	2	U	2	U
Total VOCs [2]		**108.3**	J	**61.3**	J	**45.9**	J	**41.3**	J	**14.2**	J	**7.7**	J	--		**0.66**	J	**16.4**	J	**16.5**	J	**4.1**		**1.5**	
Field Parameter Results																									
DO (mg/L)	NS	NA		0.3		2.5				3.5		0.82		0.42		8.61		0.3				2.07		2.69	
ORP (MeV)	NS	NA		-88		-4				4		22.8		103.7		210		80.1				54.3		111.6	
Sodium Persulfate (mg/L)	NS	NA		NA		7				4		14		14		0.7		5				0		NA	
Semi-Volatile Organic Compounds(µg/L)																									
1,2-Dichlorobenzene	3	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	3	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Biphenyl	5	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
2,4,5-Trichlorophenol	NS	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
2,4-Dimethylphenol	50 (GV)	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
2-Methylphenol	NS	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
2-Methylnaphthalene	NS	5.5	U	**2.1**	J	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
4-Chloro-3-methylphenol	NS	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
4-Methylphenol	NS	**0.53**	J	**0.95**	J	9.7	U	9.3	U	9.5	U	4.8	U	4.9	U	10	U	10	U	10	U	10	U	10	U
Acenaphthene	20	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Acetophenone	NS	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Benzaldehyde	NS	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	5.5	U	4.9	U	4.8	U	**0.55**	JB	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	2	U	5	U
Di-n-butylphthalate	50	**1.3**	J	**2**	J	**1.3**	J	**1.2**	J	**0.48**	J	4.8	U	**0.93**	J	5	U	**0.73**	J	5	U	10	U	5	U
Di-n-octylphthalate	50 (GV)	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Dibenzofuran	NS	11	U	9.8	U	9.6	U	9.4	U	9.6	U	9.6	U	9.8	U	10	U	10	U	10	U	10	U	10	U
Diethyl phthalate	50 (GV)	5.5	U	4.9	U	**0.78**	J	**0.87**	J	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Fluoranthene	50(GV)	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Fluorene	50 (GV)	5.5	U	**0.35**	J	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Naphthalene	10 (GV)	5.5	U	**3.1**	J	4.8	U	**0.73**	J	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Phenanthrene	50(GV)	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Phenol	1	**1**	J	4.9	U	4.8	U	4.7	U	4.8	U	4.8	U	4.9	U	5	U	5	U	5	U	10	U	5	U
Organochlorine Pesticides (µg/L)																									
4,4-DDD	0.3	0.53	U	**0.16**	J	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	**0.19**	J
4,4'-DDE	0.2	0.53	U	0.5	U	0.24	U	**0.12**	J	0.096	U	0.093	U	**0.095**	J	0.1	U	0.25	U	0.5	U	0.020	U	0.27	U
4,4'-DDT	0.2	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.25	U	0.020	U	**0.089**	J
Aldrin	ND	0.53	U	**0.12**	J	**0.044**	J	**0.094**	J	0.096	U	**0.069**	J	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	**0.24**	J
alpha-BHC	0.01	0.53	U	**0.084**	J	0.24	U	0.24	U	0.096	U	**0.019**	JB	0.25	U	**0.034**	J	0.25	U	0.5	U	0.020	U	**0.085**	J
alpha-Chlordane (cis)	NS	0.53	U	**0.16**	J	**0.41**		**0.63**		0.096	U	**0.6**		**0.15**	J	**1**		**2.2**		**2.1**		**0.04**	P	**1.1**	
beta-BHC	0.04	0.53	U	**0.26**	J	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	0.27	U
delta-BHC	0.04	0.53	U	**0.27**	J	**0.055**	J	**0.1**	J	0.096	U	0.093	U	0.25	U	**0.056**	J	**0.062**	J	0.5	U	0.020	U	**0.056**	J
Dieldrin	0.004	0.53	U	**0.28**	J	0.24	U	0.24	U	0.096	U	**0.064**	J	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	**0.069**	J
Endosulfan I	NS	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	**0.21**	J
Endosulfan II	NS	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	**0.091**	J	**0.13**	J	0.5	U	0.020	U	0.27	U
Endosulfan Sulfate	NS	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	0.27	U
Endrin Aldehyde	5	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	0.27	U
Endrin Ketone	5	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	0.27	U
gamma-BHC (Lindane)	0.05	0.53	U	**0.12**	J	0.24	U	0.24	U	**0.22**		0.093	U	0.25	U	0.1	U	**0.04**	J	0.5	U	0.020	U	0.27	U
gamma-Chlordane	NS	0.53	U	0.5	U	**0.092**	J	**0.13**	J	0.096	U	**0.23**		0.25	U	**0.68**		**0.84**	J	**0.82**		**0.031**		**0.75**	
Heptachlor	0.04	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	**0.18**	J	0.5	U	0.020	U	0.27	U
Heptachlor Epoxide	0.03	0.53	U	**0.25**	J	0.24	U	0.24	U	0.096	U	**0.082**	J	**0.17**	J	0.1	U	0.25	U	0.5	U	0.020	U	0.27	U
Methoxychlor	35	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U	0.093	U	0.25	U	0.1	U	0.25	U	0.5	U	0.020	U	**0.094**	J

Well ID	MW-23																			
	10/14/15		12/8/15		3/8/16		5/31/16		9/14/16		12/6/16		3/16/17		6/14/17		5/14/19		6/3/21	
Volatile Organic Compounds (µg/L)																				
1,1-Dichloroethane	5	U	5	U	10	U	10	U	10	U	1	U	1	U	2	U	1	U	4	U
1,2,4-Trimethylbenzene	**110**		**160**		**770**		**570**		**570**		**45**		**250**	E	**130**		**68**		**770**	
1,2-Dichlorobenzene	**18**		**8.6**		**47**		**34**		**30**		**2.3**		**25**		**8.7**		**3.6**		**32**	
1,3,5-Trimethylbenzene	**66**		**49**		**260**		**200**		**200**		**15**		**110**	E	**42**		**21**		**200**	
1,4-Dichlorobenzene	5	U	5	U	10	U	10	U	10	U	1	U	**2.5**		2	U	1	U	**4.4**	
2-Butanone (MEK)	50	U	**24**	J	**63**	J	**28**	J	100	U	10	U	**25**		20	U	**4.3**	J	**52**	
4-Isopropyltoluene	**16**		**9**		**38**		**35**		**26**		**3.4**		**15**		**6**		**1.4**		**30**	
Acetone	50	U	**140**		**390**		**150**		**48**	J	**4**	J	**19**		**11**	J	5	U	40	U
Carbon Disulfide	5	U	5	U	10	U	**2**	J	**2.2**	J	1	U	**2.2**		**1.3**	J	**0.3**	J	4	U
Chloroform	5	U	5	U	10	U	10	U	10	U	1	U	1	U	2	U	1	U	4	U
Chloroethane	5	U	5	U	**27**		**8.1**	J	**6.3**	J	**0.58**	J	**2.8**		**1.5**	J	1	U	4	U
Chloromethane	5	U	**23**		**120**		**50**		**35**		**1.2**		**0.85**	J	**0.82**	J	1	U	4	U
cis-1,2-Dichloroethene	**5.3**		**10**		**9.2**	J	10	U	**14**		**2.2**		**4.7**		**2.3**		**2.1**		**4.0**	
Cyclohexane	5	U	5	U	**7.9**	J	10	U	**3.6**	J	1	U	**3.2**		**1.3**	J	**0.67**	J	**4.1**	
Ethylbenzene	**24**		**40**		**190**		**120**		**110**		**15**		**79**		**32**		**16**		**91**	
Isopropylbenzene	**7.7**		**10**		**49**		**41**		**33**		**3.2**		**25**		**7.8**		**3.5**		**44**	
m,p-Xylene	**100**		**160**		**890**		**540**		**580**		**54**		**240**	E	**95**		**74**		**200**	
Methylcyclohexane	**6.1**		**2.1**	J	**19**		**20**		**12**		**1.3**		**7.9**		**3.2**		1	U	**17**	
Methylene Chloride	5	U	5	U	**8.8**	J	10	U	**9.3**	J	1	U	1	U	2	U	**0.74**	J	4	U
Naphthalene	**21**		**25**		**120**		**85**		**82**		**6.9**		**72**		**18**		**6.9**		**57**	
n-Butylbenzene	**22**		**15**		**34**		**53**		**15**		**4.6**		**20**		**7.9**		**0.86**	J	**38**	
n-Propylbenzene	**12**		**17**		**79**		**68**		**53**		**5**		**38**		**12**		**5.6**		**79**	
o-Xylene	**99**		**84**		**440**		**260**		**300**		**34**		**170**	E	**83**		**40**		**220**	
sec-Butylbenzene	**8**		**7.2**		10	U	**27**		10	U	**2.9**		**11**		**4.3**		**1.3**		**29**	
Styrene	5	U	5	U	**13**		10	U	10	U	**1.1**		**5.5**		2	U	1	U	4	U
tert- Butylbenzene	5	U	5	U	10	U	10	U	10	U	1	U	**1.8**		2	U	1	U	**3.8**	J
Tetrachloroethene (PCE)	5	U	5	U	10	U	10	U	10	U	1	U	**0.74**	J	2	U	1	U	**5.9**	
Toluene	**6.8**		**4.7**	J	**12**		**9.4**	J	10	U	1	U	**1.6**		2	U	1	U	4	U
Trichloroethene	5	U	5	U	10	U	10	U	10	U	1	U	**1.9**		2	U	**0.76**	J	4	U
Xylene (Total)	**200**		**240**		**1300**		**800**		**880**		**88**		**410**	E	**180**		**110**		**420**	
Total VOCs [2]	**521.9**		**788.6**	J	**3586.9**	J	**2300.5**	J	**2129.4**	J	**201.68**	J	**1134.69**	JE	**468.1**	J	**251.03**		**1881.2**	
Field Parameter Results																				
DO (mg/L)	NA		0.53		0.15		0.17		0.27		4.45		3.24		6.8		7.31		0.15	
ORP (MeV)	NA		-101		-175		-145		-108.2		-40.1		-59.1		-8.3		20.7		-110.2	
Sodium Persulfate (mg/L)	NA		NA		1.4		0.2		1		3.5		1.4		4.2		0		NA	
Semi-Volatile Organic Compounds(µg/L)																				
1,2-Dichlorobenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
1,4-Dichlorobenzene	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Biphenyl	20	U	4.6	U	19	U	**0.95**	J	23	U	4.7	U	50	U	5	U	10	U	5	U
2,4,5-Trichlorophenol	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
2,4-Dimethylphenol	**4.9**	J	**4.6**		**10**	J	**3.8**	J	**7.6**	J	4.7	U	**6.4**	J	**5**		**1.4**	J	5	U
2-Methylphenol	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
2-Methylnaphthalene	20	U	**2.9**	J	**32**		**20**		**23**		4.7	U	**13**	J	**0.67**	J	10	U	**21**	
4-Chloro-3-methylphenol	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
4-Methylphenol	40	U	**5.7**	J	**9.4**	J	**4.2**	J	**7.2**	J	4.7	U	100	U	**1.6**	J	10	U	10	U
Acenaphthene	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Acetophenone	20	U	**44**		**210**		4.7	U	23	U	**3.4**	J	50	U	**18**		10	U	5	U
Benzaldehyde	20	U	**17**		19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	2	U	5	U
Di-n-butylphthalate	**2.5**	J	**0.91**	J	**2**	J	**1.3**	J	**1.5**	J	4.7	U	50	U	**0.56**	J	10	U	**1.2**	J
Di-n-octylphthalate	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Dibenzofuran	40	U	9.2	U	38	U	9.4	U	46	U	4.7	U	100	U	10	U	10	U	5	U
Diethyl phthalate	20	U	4.6	U	**1.2**	J	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Fluoranthene	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Fluorene	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Naphthalene	20	U	**15**		**96**		**59**		**68**		4.7	U	**57**		**6.7**		**1.8**	J	**51**	
Phenanthrene	20	U	4.6	U	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Phenol	20	U	**1.1**	J	19	U	4.7	U	23	U	4.7	U	50	U	5	U	10	U	5	U
Organochlorine Pesticides (µg/L)																				
4,4-DDD	**0.025**	J	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
4,4'-DDE	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
4,4'-DDT	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Aldrin	0.1	U	0.23	U	0.52	U	0.047	U	**0.041**	J	0.48	U	0.25	U	0.05	U	0.020	U	**0.014**	J
alpha-BHC	0.1	U	**0.074**	J	**0.13**	J	0.047	U	0.23	U	0.48	U	**0.09**	J	0.05	U	0.020	U	0.050	U
alpha-Chlordane (cis)	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
beta-BHC	0.1	U	**0.14**	J	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
delta-BHC	0.1	U	0.23	U	0.52	U	**0.015**	J	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Dieldrin	0.1	U	**0.046**	J	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	**0.012**	J
Endosulfan I	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Endosulfan II	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Endosulfan Sulfate	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Endrin Aldehyde	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U*+
Endrin Ketone	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
gamma-BHC (Lindane)	**0.056**	J	**0.077**	J	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
gamma-Chlordane	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	**0.037**	J
Heptachlor	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Heptachlor Epoxide	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	0.050	U
Methoxychlor	0.1	U	0.23	U	0.52	U	0.047	U	0.23	U	0.48	U	0.25	U	0.05	U	0.020	U	**0.040**	J

Well ID	MW-24							
	10/15/15		3/17/17		5/15/19		6/2/21	
Volatile Organic Compounds (µg/L)								
1,1-Dichloroethane	1	U	1	U	1	U	1	U
1,2,4-Trimethylbenzene	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	1	U	1	U	1	U	1	U
2-Butanone (MEK)	1	U	1	U	5	U	10	U
4-Isopropyltoluene	1	U	1	U	1	U	1	U
Acetone	**2.2**	J	10	U	5	U	10	U
Carbon Disulfide	1	U	1	U	1	U	1	U
Chloroform	1	U	1	U	1	U	1	U
Chloroethane	10	U	10	U	1	U	1	U
Chloromethane	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	1	U	1	U	1	U	1	U
Cyclohexane	1	U	1	U	1	U	1	U
Ethylbenzene	1	U	1	U	1	U	1	U
Isopropylbenzene	1	U	1	U	1	U	1	U
m,p-Xylene	1	U	1	U	1	U	2	U
Methylcyclohexane	1	U	1	U	1	U	1	U
Methylene Chloride	1	U	1	U	1	U	1	U
Naphthalene	1	U	1	U	1	U	1	U
n-Butylbenzene	1	U	1	U	1	U	1	U
n-Propylbenzene	2	U	2	U	1	U	1	U
o-Xylene	1	U	1	U	1	U	1	U
sec-Butylbenzene	1	U	1	U	1	U	1	U
Styrene	1	U	1	U	1	U	1	U
tert- Butylbenzene	1	U	1	U	1	U	1	U
Tetrachloroethene (PCE)	1	U	1	U	1	U	1	U
Toluene	1	U	1	U	1	U	1	U
Trichloroethene	1	U	1	U	1	U	1	U
Xylene (Total)	2	U	2	U	2	U	2	U
Total VOCs [2]	**2.2**	J	**ND**		**ND**		**ND**	
Field Parameter Results								
DO (mg/L)	NA		9.63		8.84		8.04	
ORP (MeV)	NA		183.7		90.3		72.5	
Sodium Persulfate (mg/L)	NA		0		0		NA	
Semi-Volatile Organic Compounds(µg/L)								
1,2-Dichlorobenzene	5.2	U	NA		NA		NA	
1,4-Dichlorobenzene	5.2	U	NA		NA		NA	
Biphenyl	5.2	U	5	U	10	U	5	U
2,4,5-Trichlorophenol	5.2	U	5	U	10	U	5	U
2,4-Dimethylphenol	10	U	5	U	10	U	5	U
2-Methylphenol	5.2	U	5	U	10	U	5	U
2-Methylnaphthalene	5.2	U	5	U	10	U	5	U
4-Chloro-3-methylphenol	5.2	U	5	U	10	U	5	U
4-Methylphenol	5.2	U	10	U	10	U	10	U
Acenaphthene	5.2	U	5	U	10	U	5	U
Acetophenone	5.2	U	5	U	10	U	5	U
Benzaldehyde	5.2	U	5	U	10	U	5	U
BIS (2-Ethylhexyl) phthalate	5.2	U	5	U	2	U	5	U
Di-n-butylphthalate	5.2	U	5	U	10	U	5	U
Di-n-octylphthalate	5.2	U	5	U	10	U	5	U
Dibenzofuran	10	U	10	U	10	U	10	U
Diethyl phthalate	10	U	5	U	10	U	5	U
Fluoranthene	5.2	U	5	U	10	U	5	U
Fluorene	5.2	U	5	U	10	U	5	U
Naphthalene	5.2	U	5	U	10	U	5	U
Phenanthrene	5.2	U	5	U	10	U	5	U
Phenol	5.2	U	5	U	10	U	5	U
Organochlorine Pesticides (µg/L)								
4,4-DDD	0.05	U	0.05	U	0.020	U	0.052	U
4,4'-DDE	0.05	U	0.05	U	0.020	U	0.052	U
4,4'-DDT	0.05	U	0.05	U	0.020	U	0.052	U
Aldrin	0.05	U	0.05	U	0.020	U	0.052	U
alpha-BHC	0.05	U	0.05	U	0.020	U	0.052	U
alpha-Chlordane (cis)	0.05	U	0.05	U	0.020	U	0.052	U
beta-BHC	0.05	U	0.05	U	0.020	U	0.052	U
delta-BHC	0.05	U	0.05	U	0.020	U	0.052	U
Dieldrin	0.05	U	0.05	U	0.020	U	0.052	U
Endosulfan I	0.05	U	0.05	U	0.020	U	0.052	U
Endosulfan II	0.05	U	0.05	U	0.020	U	0.052	U
Endosulfan Sulfate	0.05	U	0.05	U	0.020	U	0.052	U
Endrin Aldehyde	0.05	U	0.05	U	0.020	U	0.052	U
Endrin Ketone	0.05	U	0.05	U	0.020	U	0.052	U
gamma-BHC (Lindane)	0.05	U	0.05	U	0.020	U	0.052	U
gamma-Chlordane	0.05	U	0.05	U	0.020	U	0.052	U
Heptachlor	0.05	U	0.05	U	0.020	U	0.052	U
Heptachlor Epoxide	0.05	U	0.05	U	0.020	U	0.052	U
Methoxychlor	0.05	U	0.05	U	0.020	U	0.052	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
U - Compound analyzed for but not detected
NA - Not analyzed
[1] - Field Duplicate Sample
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration
J - Estimated concentration for compound detected below the reporting limit
B - Compound detected in laboratory method blank
F1 = MS and/or MSD recovery is outside acceptable limits F2 = MS/MSD RPD exceeds control limits
*+ = LCS and/or LCSD is outside acceptance limits - biased high. *1 = LCS/LCSD RPD exceeds cntrol limits

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-8D						MW-8S								MW-15D					
Sample Date		3/17/17		5/16/19		6/1/21		3/17/17		5/16/19		5/16/2019[1]		6/1/21		3/15/17		5/15/19		6/1/21	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**																				
Perfluorooctanoic acid (PFOA)	6.7	**1.3**	**J**	**2.7**	**J**	**0.65**	**J**	**5.2**		**0.69**	**J**	**0.59**	**J**	1.7	U	**1.6**	**J**	**2.1**		1.7	U
Perfluorooctanesulfonic acid (PFOS)	2.7	2	U	**2.1**	**UJ**	**0.35**	**J**	**17**		8.0	**UJ**	1.7	**UJ**	**3.8**		2	U	1.7	**UJ**	1.7	U
Perfluorobutanoic acid (PFBA)	- -	NA		**1.0**	**J**	**1.0**	**J**	NA		1.7	**UJ**	1.7	U	4.3	U	NA		**1.8**		4.2	U
Perfluoropentanoic acid (PFPeA)	- -	NA		**2.2**		1.7	U	NA		1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U
Perfluorohexanoic acid (PFHxA)	- -	NA		**1.4**	**J**	1.7	U	NA		1.7	**UJ**	1.7	**UJ**	1.7	U	NA		1.7	U	1.7	U
Perfluoroheptanoic acid (PFHpA)	- -	2	U	**1.1**	**J**	1.7	U	**1.7**	**J**	1.7	U	1.7	**UJ**	1.7	U	2	U	1.7	U	1.7	U
Perfluorononanoic acid (PFNA)	- -	2	U	**0.24**	**J**	1.7	U	2	U	1.7	**UJ**	1.7	**UJ**	1.7	U	2	U	1.7	U	1.7	U
Perfluorodecanoic acid (PFDA)	- -	NA		1.7	U	1.7	U	NA		1.7	**UJ**	1.7	**UJ**	1.7	U	NA		1.7	U	1.7	U
Perfluoroundecanoic acid (PFUnA)	- -	NA		1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U
Perfluorododecanoic acid (PFDoA)	- -	NA		1.7	**UJ**	1.7	U	NA		1.7	**UJ**	1.7	**UJ**	1.7	U	NA		1.7	U	1.7	U
Perfluorotridecanoic acid (PFTriA)	- -	NA		1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		1.7	**UJ**	1.7	U	NA		1.7	**UJ**	1.7	**UJ**	1.7	U	NA		1.7	**UJ**	1.7	U
Perfluorobutanesulfonic acid (PFBS)	- -	2	U	1.7	**UJ**	1.7	U	**6.9**		**1.0**	**J**	**1.2**	**J**	**1.1**	**J**	2	U	1.7	U	1.7	U
Perfluorohexanesulfonic acid (PFHxS)	- -	2	U	1.7	**UJ**	1.7	U	**2.4**		**1.0**	**J**	1.7	**UJ**	**0.54**	**J**	2	U	1.7	**UJ**	1.7	U
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U
Perfluorodecanesulfonic acid (PFDS)	- -	NA		1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		1.7	U	1.7	U	NA		1.7	U	1.7	U	1.7	U	NA		1.7	U	1.7	U
NMeFOSAA	- -	NA		17	**UJ**	4.2	U	NA		17	**UJ**	17	**UJ**	4.3	U	NA		17	**UJ**	4.2	U
NEtFOSAA	- -	NA		17	U	4.2	U	NA		**1.7**	**J**	17	**UJ**	4.3	U	NA		17	U	4.2	U
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		17	U	4.2	U	NA		17	U	17	U	4.3	U	NA		17	U	4.2	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		17	U	1.7	U	NA		17	U	17	U	1.7	U	NA		17	U	1.7	U
1,4 - Dioxane (ug/L)																					
1,4 - Dioxane	0.35	0.4	U	0.4	U	**0.24**	**B**	0.4	U	0.4	U	0.4	U	0.19	U	0.4	U	NS		0.19	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
SL - Screening Level = Draft Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
Shaded cells indicate exceedance of SL
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.
J+ - Value was and estimated quantity, but may be biased high.
UJ - Compound analyzed for but not detected. Reported quantitation limit is approximate and may be inaccurate or imprecise.
B - Compound was found in the blank and sample.
[1] - Field duplicate sample

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-15S						ASW								MW-16D					
Sample Date		3/15/17		5/13/19		6/3/21		3/16/17		6/14/17		5/14/19		6/3/21		3/17/17		5/15/19		6/1/21	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**																				
Perfluorooctanoic acid (PFOA)	6.7	**11**		**5.8**	**J**	**12**		**21**		**21**		**24**	**J**	**20**		**3.8**		**6.1**	**J**	**4.3**	
Perfluorooctanesulfonic acid (PFOS)	2.7	**140**		**26**		**56**		**310**		**290**		**240**	**J**	**170**	**J**	2	U	**1.6**	**UJ**	**0.90**	**J**
Perfluorobutanoic acid (PFBA)	- -	NA		8.5	**UJ**	4.5	U	NA		NA		8.1	**UJ**	**11**		NA		1.7	**UJ**	**1.4**	**J**
Perfluoropentanoic acid (PFPeA)	- -	NA		**2.8**	**J**	1.8	U	NA		NA		8.1	U	1.8	U	NA		**0.6**	**J**	1.8	U
Perfluorohexanoic acid (PFHxA)	- -	NA		8.5	U	**1.9**	**J+**	NA		NA		**6.2**	**J**	**2.7**	**J+**	NA		**0.94**	**J**	**0.65**	**J**
Perfluoroheptanoic acid (PFHpA)	- -	**4.6**		8.5	U	**2.2**	**J+**	**11**		**7.5**		**8.1**	**J**	**3.2**	**J+**	2	U	**1.0**	**J**	**0.74**	**J**
Perfluorononanoic acid (PFNA)	- -	**0.75**	**J**	8.5	U	1.8	U	**5**		**3.6**		**6.5**	**J**	**3.0**	**J+**	2	U	**0.48**	**J**	**0.25**	**J**
Perfluorodecanoic acid (PFDA)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	**UJ**	1.8	U	NA		1.7	U	**0.27**	**J**
Perfluoroundecanoic acid (PFUnA)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	**UJ**	1.8	**UJ**	NA		1.7	U	1.8	U
Perfluorododecanoic acid (PFDoA)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	U	1.8	**UJ**	NA		1.7	**UJ**	1.8	U
Perfluorotridecanoic acid (PFTriA)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	U	1.8	U	NA		1.7	U	1.8	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	U	1.8	U	NA		1.7	**UJ**	1.8	U
Perfluorobutanesulfonic acid (PFBS)	- -	**1.8**	**J**	8.5	U	1.8	U	2	U	2	U	**22**	**J**	1.8	U	2	U	1.7	**UJ**	1.8	U
Perfluorohexanesulfonic acid (PFHxS)	- -	**2.9**		8.5	U	1.8	U	**5.4**		**2.9**		**12**	**J**	**4.1**	**J+**	2	U	1.7	**UJ**	1.8	U
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		8.5	U	1.8	U	NA		NA		**7.5**	**J**	**4.8**		NA		1.7	U	1.8	U
Perfluorodecanesulfonic acid (PFDS)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	U	1.8	U	NA		1.7	U	1.8	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		8.5	U	1.8	U	NA		NA		8.1	**UJ**	**0.77**	**J**	NA		1.7	U	1.8	U
NMeFOSAA	- -	NA		85	U	4.5	U	NA		NA		330	**UJ**	4.6	U	NA		17	**UJ**	4.4	U
NEtFOSAA	- -	NA		**16**	**J**	**8.8**		NA		NA		**170**	**J**	**71**	**J**	NA		17	**UJ**	4.4	U
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		85	U	4.5	U	NA		NA		81	U	4.6	U	NA		17	U	4.4	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		85	U	1.8	U	NA		NA		330	U	1.8	U	NA		17	U	1.8	U
1,4 - Dioxane (ug/L)																					
1,4 - Dioxane	0.35	0.4	U	NS		0.21	U	0.4	U	NS		NS		0.20	U	0.4	U	NS		0.19	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
SL - Screening Level = Draft Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
Shaded cells indicate exceedance of SL
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.
J+ - Value was and estimated quantity, but may be biased high.
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B - Compound was found in the blank and sample.
[1] - Field duplicate sample

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		K-2						K-3						VEW-1							
Sample Date		3/16/17		5/15/19		6/3/21		3/16/17		5/13/19		6/3/21		3/16/17		5/14/19		6/3/21		6/3/2021[1]	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**																				
Perfluorooctanoic acid (PFOA)	6.7	**150**		**44**	**J**	**220**		**20**		**15**	**J**	**5.3**		**110**		**76**	**J**	**38**		**38**	
Perfluorooctanesulfonic acid (PFOS)	2.7	**1500**		**1400**	**J**	**400**		**240**		**330**	**J**	**200**		**1400**		**1500**		**220**		**220**	
Perfluorobutanoic acid (PFBA)	- -	NA		8.6	U	**14**		NA		**9.6**	**J**	4.7	U	NA		8.2	**UJ**	**370**		**360**	
Perfluoropentanoic acid (PFPeA)	- -	NA		**4.8**	**J**	**4.7**	**J+**	NA		**3.3**	**J**	1.9	U	NA		**6.1**	**J**	**2.0**	**J+**	**2.4**	**J+**
Perfluorohexanoic acid (PFHxA)	- -	NA		**4.6**	**J**	**9.6**		NA		8.4	U	1.9	U	NA		**14**		**2.7**	**J+**	**2.6**	**J+**
Perfluoroheptanoic acid (PFHpA)	- -	**12**		**6.1**	**J**	**23**		**2.7**		8.4	U	1.9	U	**20**		**19**		**6.9**		**6.1**	
Perfluorononanoic acid (PFNA)	- -	**5**		**1.6**	**J**	**21**		**0.8**	**J**			1.9	U	**2.5**		**6.3**	**J**	1.8	U	1.8	U
Perfluorodecanoic acid (PFDA)	- -	NA		8.6	U	1.8	U	NA		8.4	U	1.9	U	NA		8.2	U	1.8	U	1.8	U
Perfluoroundecanoic acid (PFUnA)	- -	NA		8.6	U	1.8	U	NA		8.4	U	1.9	U	NA		8.2	U	1.8	U	1.8	U
Perfluorododecanoic acid (PFDoA)	- -	NA		8.6	U	1.8	U	NA		8.4	U	1.9	U	NA		8.2	U	1.8	U	1.8	U
Perfluorotridecanoic acid (PFTriA)	- -	NA		8.6	U	1.8	U	NA		8.4	U	1.9	U	NA		8.2	U	1.8	U	1.8	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		8.6	U	1.8	U	NA		8.4	U	1.9	U	NA		8.2	U	1.8	U	1.8	U
Perfluorobutanesulfonic acid (PFBS)	- -	**1.8**	**J**	8.6	**UJ**	**4.6**		**4.6**		8.4	U	1.9	U	**2**		8.2	U	1.8	U	1.8	U
Perfluorohexanesulfonic acid (PFHxS)	- -	**15**		**5.0**	**J**	**53**		**37**		**13**	**J**	1.9	U	**14**		**30**	**J**	**8.3**		**8.7**	
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		8.6	U	**13.0**		NA		**4.9**	**J**	1.9	U	NA		**15**		**4.4**		**4.6**	
Perfluorodecanesulfonic acid (PFDS)	- -	NA		8.6	U	1.8	U	NA		8.4	U	1.9	U	NA		8.2	U	1.8	U	1.8	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		8.6	U	**0.55**	**J**	NA		8.4	U	1.9	U	NA		8.2	U	**1.2**	**J**	**1.3**	**J**
NMeFOSAA	- -	NA		86	**UJ**	4.4	U	NA		84	U	4.7	U	NA		82	U	4.4	U	4.4	U
NEtFOSAA	- -	NA		86	U	**11**		NA		84	U	4.7	U	NA		**100**	**J**	**41**		**43**	
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		86	U	4.4	U	NA		84	U	4.7	U	NA		82	U	4.4	U	4.4	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		86	U	1.8	U	NA		84	U	1.9	U	NA		82	U	1.8	U	1.8	U
1,4 - Dioxane (ug/L)																					
1,4 - Dioxane	0.35	0.4	U	NS		0.21	U	0.4	U	NS		0.20	U	0.4	U	NS		0.20	U	0.20	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
SL - Screening Level = Draft Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
Shaded cells indicate exceedance of SL
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J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.
J+ - Value was and estimated quantity, but may be biased high.
UJ - Compound analyzed for but not detected. Reported quantitation limit is approximate and may be inaccurate or imprecise.
B - Compound was found in the blank and sample.
[1] - Field duplicate sample

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		VEW-2								VEW-3						VEW-4					
Sample Date		**3/16/17**		**3/16/2017[1]**		**5/14/2019**		**6/3/21**		**3/16/17**		**5/14/19**		**6/3/21**		**3/16/17**		**5/14/19**		**6/3/21**	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**																				
Perfluorooctanoic acid (PFOA)	6.7	**81**		**80**		**71**	**J**	**62**		**130**		**180**	**J**	**160**		**75**		**110**	**J**	**56**	
Perfluorooctanesulfonic acid (PFOS)	2.7	**1100**		**1100**		**2100**		**850**		**960**		**1900**	**J**	**1300**		**1300**		**1800**	**J**	**420**	
Perfluorobutanoic acid (PFBA)	- -	NA		NA		8.5	**UJ**	**22**		NA		8.6	U	**19**		NA		8.2	**UJ**	**120**	
Perfluoropentanoic acid (PFPeA)	- -	NA		NA		**13**		1.7	U	NA		**3.6**	**J**	**6.7**		NA		**22**		1.8	U
Perfluorohexanoic acid (PFHxA)	- -	NA		NA		**12**		**2.9**	**J+**	NA		**13**	**J**	**6.8**		NA		**14**	**J**	**2.7**	**J+**
Perfluoroheptanoic acid (PFHpA)	- -	**11**		**11**		**19**		**7.8**		**11**		**14**		**13**		**9.4**		**26**	**J**	**8.7**	
Perfluorononanoic acid (PFNA)	- -	**3.3**		**3.3**		**9.5**		**3.4**	**J+**	**4.3**		**5.7**	**J**	**3.1**	**J+**	**5.5**		**9.6**		**2.6**	**J+**
Perfluorodecanoic acid (PFDA)	- -	NA		NA		8.5	U	1.7	U	NA		8.6	U	1.7	U	NA		8.2	U	1.8	U
Perfluoroundecanoic acid (PFUnA)	- -	NA		NA		8.5	U	1.7	U	NA		8.6	U	1.7	U	NA		8.2	U	1.8	U
Perfluorododecanoic acid (PFDoA)	- -	NA		NA		8.5	U	1.7	U	NA		8.6	U	1.7	U	NA		8.2	U	1.8	**UJ**
Perfluorotridecanoic acid (PFTriA)	- -	NA		NA		8.5	U	1.7	U	NA		8.6	U	1.7	U	NA		8.2	U	1.8	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		NA		8.5	U	1.7	U	NA		8.6	**UJ**	1.7	U	NA		8.2	**UJ**	1.8	U
Perfluorobutanesulfonic acid (PFBS)	- -	**1.6**	**J**	**1.7**	**J**	8.5	U	1.7	U	**2**		8.6	**UJ**	**2.9**	**J+**	**1.1**	**J**	8.2	**UJ**	1.8	U
Perfluorohexanesulfonic acid (PFHxS)	- -	**16**		**16**		**18**		**10**		**21**		**42**	**J**	**53**		**12**		**29**	**J**	**12**	
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		NA		**25**		**15**		NA		**51**		**24**		NA		**21**		**9.5**	
Perfluorodecanesulfonic acid (PFDS)	- -	NA		NA		8.5	U	1.7	U	NA		8.6	U	1.7	U	NA		8.2	U	1.8	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		NA		**68**		**2.0**		NA		8.6	U	1.7	U	NA		8.2	**UJ**	**1.4**	**J**
NMeFOSAA	- -	NA		NA		85	U	4.2	U	NA		86	**UJ**	4.2	U	NA		82	**UJ**	4.4	U
NEtFOSAA	- -	NA		NA		**23**	**J**	**3.4**	**J**	NA		86	U	**24**		NA		82	U	**72**	
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		NA		85	U	4.2	U	NA		86	U	4.2	U	NA		82	U	4.4	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		NA		85	U	1.7	U	NA		86	U	1.7	U	NA		82	U	1.8	U
1,4 - Dioxane (ug/L)																					
1,4 - Dioxane	0.35	0.4	U	0.4	U	NS		0.19	U	0.4	U	NS		0.21	U	0.4	U	NS		0.20	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
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[1] - Field duplicate sample

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-17								MW-18								MW-19					
Sample Date		3/15/17		6/13/17		5/13/19		6/3/21		3/15/17		6/13/17		5/13/19		6/3/21		3/15/17		5/16/19		6/2/21	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**																						
Perfluorooctanoic acid (PFOA)	6.7	**27**		**18**		**9.2**	**J**	**14**		**14**		**9.2**		**49**	**J**	**14**		**11**		**20**	**J**	**9.8**	
Perfluorooctanesulfonic acid (PFOS)	2.7	**170**		**260**		**160**		**190**		**48**		**41**		**81**		**110**	**J**	**28**		**38**	**J**	**23**	
Perfluorobutanoic acid (PFBA)	- -	NA		NA		8.0	**UJ**	**13**		NA		NA		8.4	**UJ**	4.5	U	NA		8.4	U	**6.1**	**J+**
Perfluoropentanoic acid (PFPeA)	- -	NA		NA		**3.5**	**J**	**4.0**	**J+**	NA		NA		**13**		1.8	U	NA		**12**		**6.0**	
Perfluorohexanoic acid (PFHxA)	- -	NA		NA		**5.3**	**J**	**4.1**	**J+**	NA		NA		**13**		1.8	U	NA		**11**		**6.4**	
Perfluoroheptanoic acid (PFHpA)	- -	**12**		**12**		**4.3**	**J**	**7.8**		**3.2**		**1.8**	**J**	**13**		**1.8**	**J+**	**4.9**		**15**		**4.3**	**J+**
Perfluorononanoic acid (PFNA)	- -	**2.4**		**2.5**		**1.2**	**J**	**2.2**	**J+**	**0.89**	**J**	2	U	8.4	U	1.8	U	**0.9**	**J**	8.4	**UJ**	1.9	U
Perfluorodecanoic acid (PFDA)	- -	NA		NA		8.0	**UJ**	1.9	U	NA		NA		8.4	U	1.8	U	NA		8.4	**UJ**	1.9	U
Perfluoroundecanoic acid (PFUnA)	- -	NA		NA		8.0	U	1.9	U	NA		NA		8.4	U	1.8	U	NA		8.4	U	1.9	U
Perfluorododecanoic acid (PFDoA)	- -	NA		NA		8.0	U	1.9	U	NA		NA		8.4	U	1.8	U	NA		8.4	**UJ**	1.9	U
Perfluorotridecanoic acid (PFTriA)	- -	NA		NA		8.0	U	1.9	U	NA		NA		8.4	U	1.8	U	NA		8.4	U	1.9	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		NA		8.0	U	1.9	U	NA		NA		8.4	U	1.8	U	NA		8.4	**UJ**	1.9	U
Perfluorobutanesulfonic acid (PFBS)	- -	2	U	2	U	8.0	**UJ**	1.9	U	2	U	2	U	8.4	U	1.8	U	**3.2**		8.4	**UJ**	**2.3**	**J+**
Perfluorohexanesulfonic acid (PFHxS)	- -	**1.7**	**J**	2	U	8.0	**UJ**	1.9	U	**2**		**2.9**		**15**		**2.1**	**J+**	**1.9**	**J**	8.4	**UJ**	1.9	U
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		NA		8.0	U	**2.1**	**J+**	NA		NA		**11**		**3.6**	**J+**	NA		8.4	U	1.9	U
Perfluorodecanesulfonic acid (PFDS)	- -	NA		NA		8.0	U	0.78	U	NA		NA		8.4	U	1.8	U	NA		8.4	U	1.9	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		NA		**2.9**	**J**	**3.4**		NA		NA		8.4	U	1.8	U	NA		8.4	U	1.9	U
NMeFOSAA	- -	NA		NA		80	**UJ**	4.6	U	NA		NA		84	U	4.5	U	NA		84	**UJ**	4.7	U
NEtFOSAA	- -	NA		NA		**63**	**J**	**74**	**J**	NA		NA		84	U	**1.5**	**J**	NA		84	**UJ**	**1.6**	**J**
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		NA		80	U	4.6	U	NA		NA		84	U	4.5	U	NA		84	U	4.7	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		NA		80	U	1.9	U	NA		NA		84	U	1.8	U	NA		84	U	1.9	U
1,4 - Dioxane (ug/L)																							
1,4 - Dioxane	0.35	0.4	U	NS		NS		0.21	U	0.4	U	NS		NS		0.21	U	0.4	U	0.4	U	0.20	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
SL - Screening Level = Draft Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
Shaded cells indicate exceedance of SL
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.
J+ - Value was and estimated quantity, but may be biased high.
UJ - Compound analyzed for but not detected. Reported quantitation limit is approximate and may be inaccurate or imprecise.
B - Compound was found in the blank and sample.
[1] - Field duplicate sample

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-20						MW-21								MW-22							
Sample Date		3/15/17		5/16/19		6/2/21		3/17/17		6/13/17		5/16/19		6/2/21		3/15/17		6/13/17		5/15/19		6/3/21	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**																						
Perfluorooctanoic acid (PFOA)	6.7	**5.5**		8.5	**UJ**	**7.1**		**16**		**27**		**7.0**	**J**	**27**		**13**		**50**		**95**	**J**	**17**	
Perfluorooctanesulfonic acid (PFOS)	2.7	**4.9**		8.5	**UJ**	**8.6**	**J**	**350**		**310**		**510**	**J**	**330**		**200**		**250**		**350**	**J**	**110**	
Perfluorobutanoic acid (PFBA)	- -	NA		**6.3**	**J**	4.5	U	NA		NA		8.2	U	**24**		NA		NA		**45**		**33**	
Perfluoropentanoic acid (PFPeA)	- -	NA		**6.2**	**J**	**2.3**	**J+**	NA		NA		**3.2**	**J**	**3.8**	**J+**	NA		NA		**34**		**6.3**	
Perfluorohexanoic acid (PFHxA)	- -	NA		8.5	U	**2.3**	**J+**	NA		NA		8.2	U	**4.9**		NA		NA		**21**		**6.2**	
Perfluoroheptanoic acid (PFHpA)	- -	**1.7**	**J**	8.5	U	**2.7**	**J+**	2	U	**5**		8.2	U	**5.1**		**1.6**	**J**	**8.5**		**14**		**6.3**	
Perfluorononanoic acid (PFNA)	- -	2	U	8.5	**UJ**	1.8	U	**1.4**	**J**	**1.4**	**J**	8.2	**UJ**	**2.6**	**J+**	**7**		**18**		**55**		**6.7**	
Perfluorodecanoic acid (PFDA)	- -	NA		8.5	**UJ**	1.8	U	NA		NA		8.2	U	1.7	U	NA		NA		**3.5**	**J**	**2.4**	**J+**
Perfluoroundecanoic acid (PFUnA)	- -	NA		8.5	**UJ**	1.8	U	NA		NA		8.2	U	1.7	U	NA		NA		8.3	U	1.7	U
Perfluorododecanoic acid (PFDoA)	- -	NA		8.5	**UJ**	1.8	U	NA		NA		8.2	**UJ**	1.7	U	NA		NA		8.3	U	1.7	U
Perfluorotridecanoic acid (PFTriA)	- -	NA		8.5	U	1.8	U	NA		NA		8.2	U	1.7	U	NA		NA		8.3	U	1.7	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		8.5	**UJ**	1.8	U	NA		NA		8.2	**UJ**	1.7	U	NA		NA		8.3	**UJ**	1.7	U
Perfluorobutanesulfonic acid (PFBS)	- -	**1.2**	**J**	8.5	**UJ**	**2.2**	**J+**	**1.1**	**J**	2	U	**5.4**	**J**	**2.9**	**J+**	**1.4**	**J**	2	U	8.3	**UJ**	**2.8**	**J+**
Perfluorohexanesulfonic acid (PFHxS)	- -	2	U	8.5	**UJ**	1.8	U	**1.5**	**J**	**3**		8.2	**UJ**	**5.7**		**4.1**		**24**		**33**	**J**	**16**	
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		8.5	U	1.8	U	NA		NA		8.2	U	**3.7**	**J+**	NA		NA		**9.4**		**4.0**	
Perfluorodecanesulfonic acid (PFDS)	- -	NA		8.5	U	1.8	U	NA		NA		8.2	U	1.7	U	NA		NA		8.3	U	1.7	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		8.5	U	1.8	U	NA		NA		8.2	U	**8.2**		NA		NA		8.3	U	1.7	U
NMeFOSAA	- -	NA		85	**UJ**	4.5	U	NA		NA		82	**UJ**	4.3	U	NA		NA		83	**UJ**	4.2	U
NEtFOSAA	- -	NA		85	**UJ**	4.5	U	NA		NA		82	**UJ**	**51**		NA		NA		83	**UJ**	**0.94**	**J**
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		85	U	4.5	U	NA		NA		82	U	4.3	U	NA		NA		83	U	4.2	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		85	U	1.8	U	NA		NA		82	U	1.7	U	NA		NA		83	U	1.7	U
1,4 - Dioxane (ug/L)																							
1,4 - Dioxane	0.35	0.4	U	0.4	U	0.21	U	0.4	U	NS		0.4	U	0.19	U	0.4	U	NS		NS		0.21	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
SL - Screening Level = Draft Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
Shaded cells indicate exceedance of SL
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.
J+ - Value was and estimated quantity, but may be biased high.
UJ - Compound analyzed for but not detected. Reported quantitation limit is approximate and may be inaccurate or imprecise.
B - Compound was found in the blank and sample.
[1] - Field duplicate sample

Table 2

Summary of PFAS and 1,4-Dioxane Groundwater Analytical Results

March 2017 to June 2021

Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		MW-23								MW-24					
Sample Date		3/16/17		6/14/17		5/14/19		6/3/21		3/17/17		5/15/19		6/2/21	
PFAS: Per-and Polyfluoroalkyl Substances (ng/L)	**SL**														
Perfluorooctanoic acid (PFOA)	6.7	**16**		**16**		**150**	**J**	**17**		**11**		**8.5**		**10**	
Perfluorooctanesulfonic acid (PFOS)	2.7	**89**		**46**		**52**	**J**	**110**		**14**		**36**	**J**	**47**	
Perfluorobutanoic acid (PFBA)	- -	NA		NA		8.2	U	**24**		NA		1.7	U	**6.3**	**J+**
Perfluoropentanoic acid (PFPeA)	- -	NA		NA		**17**		1.8	U	NA		**1.3**	**J**	**3.1**	**J+**
Perfluorohexanoic acid (PFHxA)	- -	NA		NA		**26**	**J**	**2.8**	**J+**	NA		1.7	**UJ**	**3.5**	**J+**
Perfluoroheptanoic acid (PFHpA)	- -	**3.7**		**2.9**		**42**	**J**	**2.6**	**J+**	**3.1**		**2.0**		**2.6**	**J+**
Perfluorononanoic acid (PFNA)	- -	**1.7**	**J**	2	U	8.2	U	**2.1**	**J+**	2	U	**0.9**	**J**	1.8	U
Perfluorodecanoic acid (PFDA)	- -	NA		NA		8.2	U	1.8	U	NA		1.7	**UJ**	1.8	U
Perfluoroundecanoic acid (PFUnA)	- -	NA		NA		8.2	**UJ**	1.8	U	NA		1.7	**UJ**	1.8	U
Perfluorododecanoic acid (PFDoA)	- -	NA		NA		8.2	U	1.8	U	NA		1.7	**UJ**	1.8	U
Perfluorotridecanoic acid (PFTriA)	- -	NA		NA		8.2	U	1.8	U	NA		1.7	U	1.8	U
Perfluorotetradecanoic acid (PFTeA)	- -	NA		NA		8.2	**UJ**	1.8	U	NA		1.7	**UJ**	1.8	U
Perfluorobutanesulfonic acid (PFBS)	- -	2	U	2	U	**8.1**	**J**	1.8	U	**2**		**2.2**	**J**	**3.2**	**J+**
Perfluorohexanesulfonic acid (PFHxS)	- -	**2.6**		**3.2**		**13**	J	**4.2**	**J+**	**1.2**	**J**	**1.9**	**J**	**2.1**	**J+**
Perfluoroheptanesulfonic acid (PFHpS)	- -	NA		NA		8.2	U	**3.8**	**J+**	NA		1.7	U	1.8	U
Perfluorodecanesulfonic acid (PFDS)	- -	NA		NA		8.2	U	1.8	U	NA		1.7	U	1.8	U
Perfluorooctanesulfonamide (FOSA)	- -	NA		NA		8.2	U	**0.63**	**J**	NA		1.7	U	1.8	U
NMeFOSAA	- -	NA		NA		82	**UJ**	4.4	U	NA		17	**UJ**	4.5	U
NEtFOSAA	- -	NA		NA		82	**UJ**	**78**	**J**	NA		17	**UJ**	4.5	U
6:2 Fluorotelomersulfonate (6:2 FTS)	- -	NA		NA		82	U	4.4	U	NA		17	U	4.5	U
8:2 Fluorotelomersulfonate (8:2 FTS)	- -	NA		NA		82	U	1.8	U	NA		17	U	1.8	U
1,4 - Dioxane (ug/L)															
1,4 - Dioxane	0.35	0.4	U	NS		NS		0.20	U	0.4	U	NS		0.21	U

Notes:
NA - Sample not analyzed for this compound
NS - Not sampled for this compound
BOLD font indicates compound concentrations detected above method detection limits
SL - Screening Level = Draft Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
Shaded cells indicate exceedance of SL
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.
J+ - Value was and estimated quantity, but may be biased high.
UJ - Compound analyzed for but not detected. Reported quantitation limit is approximate and may be inaccurate or imprecise.
B - Compound was found in the blank and sample.
[1] - Field duplicate sample

Table 3
Kennyetto Creek Surface Water Analytical Results - VOCs
June 2021
Korkay, Inc. - Broadalbin, New York (Site #518014)

Sampling Location/ID			SW-1		SW-2		SW-3			
	Screening Values		SW-1 060221		SW-2 060221		SW-3 060221		SW-DUP 060221	
	6-NYCRR PART 703.5*	TOGS 1.1.1**								
Volatile Organic Compounds (µg/L)										
1,1,1-Trichloroethane	NS	NS	1	U	1	U	1	U F1	1	U
1,1,2,2-Tetrachloroethane	NS	NS	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	NS	NS	1	U	1	U	1	U	1	U
1,1-Dichloroethane	NS	NS	1	U	1	U	1	U F1	1	U
1,1-Dichloroethene	NS	NS	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	5	1	U	1	U	4	U	1	U
1,2,4-Trimethylbenzene	NS	33	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	NS	NS	1	U	1	U	1	U	1	U
1,2-Dibromoethane	NS	NS	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	5	5	1	U	1	U	1	U	1	U
1,2-Dichloroethane	NS	NS	1	U	1	U	1	U	1	U
1,2-Dichloropropane	NS	NS	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	NS	NS	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	5	5	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	5	5	1	U	1	U	1	U	1	U
2-Butanone (MEK)	NS	NS	10	U	10	U	1	U	10	U
2-Hexanone	NS	NS	5	U	5	U	5	U	5	U
4-Isopropyltoluene	NS	NS	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone (MIBK)	NS	NS	5	U	5	U	5	U	5	U
Acetone	NS	NS	10	U	10	U	10	U	10	U
Benzene	210	10	1	U	1	U	1	U	1	U
Bromodichloromethane	NS	NS	1	U	1	U	1	U	1	U
Bromoform	NS	NS	1	U	1	U	1	U	1	U
Bromomethane	NS	NS	1	U	1	U	1	U	1	U
Carbon disulfide	NS	NS	1	U	1	U	1	U	1	U
Carbon tetrachloride	NS	NS	1	U	1	U	1	U F1	1	U
Chlorobenzene	5	5	1	U	1	U	1	U	1	U
Chloroethane	NS	NS	1	U	1	U	1	U	1	U
Chloroform	NS	NS	1	U	1	U	1	U	1	U
Chloromethane	NS	NS	1	U	1	U	1	U	1	U
cis-1,2-Dichloroethene	NS	NS	1	U	1	U	1	U	1	U
cis-1,3-Dichloropropene	NS	NS	1	U	1	U	1	U	1	U
Cyclohexane	NS	NS	1	U *+	1	U *+	1	U *+	1	U *+
Dibromochloromethane	NS	NS	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	NS	NS	1	U	1	U	1	U	1	U
Ethylbenzene	17	17	1	U	1	U	1	U	1	U
Isopropylbenzene	2.6	3	1	U	1	U	1	U	1	U
m,p-Xylene	NS	65	2	U	2	U	2	U	2	U
Methyl acetate	NS	NS	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert-butyl ether	NS	NS	1	U *+	1	U *+	1	F1 U *+	1	U *+
Methylcyclohexane	NS	NS	1	U	1	U	1	U	1	U
Methylene Chloride	NS	200	1	U	1	U	1	U	1	U
Naphthalene	NS	13	1	U	1	U	1	U	1	U
n-Butylbenzene	NS	NS	1	U	1	U	1	U	1	U
N-Propylbenzene	NS	NS	1	U	1	U	1	U	1	U
o-Xylene	NS	NS	1	U	1	U	1	U	1	U
sec-Butylbenzene	NS	NS	1	U	1	U	1	U	1	U
Styrene	NS	NS	1	U	1	U	1	U	1	U
tert-Butylbenzene	NS	NS	1	U	1	U	1	U	1	U
Tetrachloroethene	NS	1	1	U	1	U	1	U	1	U
Toluene	100	100	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethene	NS	NS	1	U	1	U	1	U F1	1	U
trans-1,3-Dichloropropene	NS	NS	1	U	1	U	1	U	1	U
Trichloroethene	NS	40	1	U	1	U	1	U	1	U
Trichlorofluoromethane	NS	NS	1	U	1	U	1	U	1	U
Vinyl chloride	NS	NS	1	U	1	U	1	U	1	U
Xylenes, Total	65	65	2	U	2	U	2	U	2	U

Notes:

* - Surface Water Quality Standards - Class C Freshwater, taken from 6NYCRR Part 703.5, March 12, 1998.

** - Surface Water Quality Standards and Guidance Values - Class C Freshwater, taken from NYSDEC TOGS 1.1.1, June 1998.

NS - No standard or guidance value.

U - Compound analyzed for but not detected.

UJ - Compound analyzed for and not detected but the detection limit is approximate.

F1 - MS and/or MSD recovery is outside acceptable limits.

*+ - LCS and/or LDSD is outside acceptable limits, high biased.

Table 4
Kennyetto Creek Surface Water Analytical Results
SVOCs - June 2021

Korkay, Inc. - Broadalbin, New York (Site #518014)

Sampling Location/ID	Screening Values		SW-1		SW-2		SW-3			
			SW-1 060221		SW-2 060221		SW-3 060221		SW-DUP 060221	
	6-NYCRR PART 703.5*	TOGS 1.1.1**								
Semi-Volatile Organic Compounds(µg/L)										
Biphenyl	NS	NS	5	U	5	U	5	U	5	U
bis (2-chloroisopropyl) ether	NS	NS	5	U	5	U	5	U	5	U
2,4,5-Trichlorophenol	1	NS	5	U	5	U	5	U	5	U
2,4,6-Trichlorophenol	1	NS	5	U	5	U	5	U	5	U
2,4-Dichlorophenol	1	1	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	5	5	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	5	5	10	U	10	U	10	U	10	U
2,4-Dinitrotoluene	NS	NS	5	U	5	U	5	U	5	U
2,6-Dinitrotoluene	NS	NS	5	U	5	U	5	U	5	U
2-Chloronaphthalene	NS	NS	5	U	5	U	5	U	5	U
2-Chlorophenol	1	NS	5	U	5	U	5	U	5	U
2-Methylphenol	5	NS	5	U	5	U	5	U	5	U
2-Methylnaphthalene	4.7	4.7	5	U	5	U	5	U	5	U
2-Nitroaniline	NS	NS	10	U	10	U	10	U	10	U
2-Nitrophenol	5	NS	5	U	5	U	5	U	5	U
3,3'-Dichlorobenzidine	NS	NS	5	U	5	U	5	U	5	U
3-Nitroaniline	NS	NS	10	U	10	U	10	U	10	U
4,6-Dinitro-2-methylphenol	NS	NS	10	U	10	U	10	U	10	U
4-Bromophenyl phenyl ether	NS	NS	5	U	5	U	5	U	5	U
4-Chloro-3-methylphenol	1	NS	5	U	5	U	5	U	5	U
4-Chloroaniline	NS	NS	5	U	5	U	5	U	5	U
4-Chlorophenyl phenyl ether	NS	NS	5	U	5	U	5	U	5	U
4-Methylphenol	5	NS	10	U	10	U	10	U	10	U
4-Nitroaniline	NS	NS	10	U	10	U	10	U	10	U
4-Nitrophenol	5	NS	10	U	10	U	10	U	10	U
Acenaphthene	5.3	5.3	5	U	5	U	5	U	5	U
Acenaphthylene	NS	NS	5	U	5	U	5	U	5	U
Acetophenone	NS	NS	5	U	5	U	5	U	5	U
Anthracene	3.8	3.8	5	U	5	U	5	U	5	U
Atrazine	NS	NS	5	U	5	U	5	U	5	U
Benzaldehyde	NS	NS	5	U	5	U	5	U	5	U
Benzo(a)anthracene	0.03	0.03	5	U	5	U	5	U	5	U
Benzo(a)pyrene	NS	0.0012	5	U	5	U	5	U	5	U
Benzo(b)fluoranthene	NS	NS	5	U	5	U	5	U	5	U
Benzo(g,h,i)perylene	NS	NS	5	U	5	U	5	U	5	U
Benzo(k)fluoranthene	NS	NS	5	U	5	U	5	U	5	U
Bis(2-chloroethoxy)methane	NS	NS	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	NS	NS	5	U	5	U	5	U	5	U
Bis(2-ethylhexyl) phthalate	0.6	0.6	5	U	5	U	5	U	5	U
Butyl benzyl phthalate	NS	NS	5	U	5	U	5	U	5	U
Caprolactam	NS	NS	5	U	5	U	5	U	5	U
Carbazole	NS	NS	5	UJ	5	UJ	5	UJ	5	UJ
Chrysene	NS	NS	5	U	5	U	5	U	5	U
Dibenz(a,h)anthracene	NS	NS	5	U	5	U	5	U	5	U
Di-n-butyl phthalate	NS	NS	5	U	5	U	5	U	5	U
Di-n-octyl phthalate	NS	NS	5	U	5	U	5	U	5	U
Dibenzofuran	NS	NS	10	U	10	U	10	U	10	U
Diethyl phthalate	NS	NS	5	U	5	U	5	U	5	U
Dimethyl phthalate	NS	NS	5	U	5	U	5	U	5	U
Fluoranthene	NS	NS	5	U	5	U	5	U	5	U
Fluorene	0.54	0.54	5	U	5	U	5	U	5	U
Hexachlorobenzene	NS	0.00003	5	U	5	U	5	U	5	U
Hexachlorobutadiene	1	0.01	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	0.45	0.45	5	U	5	U	5	U	5	U
Hexachloroethane	NS	0.6	5	U	5	U	5	U	5	U
Indeno(1,2,3-cd)pyrene	NS	NS	5	U	5	U	5	U	5	U
Isophorone	NS	NS	5	U	5	U	5	U	5	U
N-Nitrosodi-n-propylamine	NS	NS	5	U	5	U	5	U	5	U
N-Nitrosodiphenylamine	NS	NS	5	U	5	U	5	U	5	U
Naphthalene	13	13	5	U	5	U	5	U	5	U
Nitrobenzene	NS	NS	5	U	5	U	5	U	5	U
Pentachlorophenol	16.5	1	10	UJ	10	UJ	10	UJ	10	UJ
Phenanthrene	5	5	5	U	5	U	5	U	5	U
Phenol	5	5	5	U	5	U	5	U	5	U
Pyrene	4.6	4.6	5	U	5	U	5	U	5	U

Notes:
* - Surface Water Quality Standards - Class C Freshwater, taken from 6NYCRR Part 703.5, March 12, 1998.
** - Surface Water Quality Standards and Guidance Values - Class C Freshwater, taken from NYSDEC TOGS 1.1.1, June 1998.
NS - No standard or guidance value.
U - Compound analyzed for but not detected.
UJ - Compound analyzed for and not detected but the detection limit is approximate.

Table 5
Kennyetto Creek Surface Water Analytical Results
Organochlorine Pesticides - June 2021

Korkay, Inc. - Broadalbin, New York
(Site #518014)

Sampling Location/ID				SW-1		SW-2		SW-3			
	Screening Values*			SW-1 060221		SW-2 060221		SW-3 060221		SW-DUP 060221	
	H(WS)	H(FC)	W								
Organochlorine Pesticides (µg/L)											
4,4'-DDD	0.3	0.00008	0.000011	0.05	U	0.054	U	0.052	U	0.1	U
4,4'-DDE	0.2	0.000007	0.000011	0.05	U	0.054	U	0.052	U	0.05	U
4,4'-DDT	0.2	0.00005	0.000011	0.05	UJ	0.054	UJ	0.052	UJ	0.05	UJ
Aldrin	0.002	0.001	NS	0.05	U	0.054	U	0.052	U	0.05	U
alpha-BHC	0.01	0.002	NS	0.05	U	0.054	U	0.052	U	0.05	U
cis-Chlordane	NS	NS	NS	0.05	U	0.054	U	0.052	U	0.05	U
beta-BHC	0.04	0.007	NS	0.05	U	0.054	U	0.052	U	0.05	U
delta-BHC	0.04	0.008	NS	0.05	UJ	0.054	UJ	0.052	UJ	0.05	UJ
Dieldrin	0.004	0.001	NS	0.05	U	0.054	U	0.052	U	0.05	U
Endosulfan I	NS	NS	NS	0.05	U	0.054	U	0.052	U	0.05	U
Endosulfan II	NS	NS	NS	0.05	UJ	0.054	UJ	0.052	UJ	0.05	UJ
Endosulfan sulfate	NS	NS	NS	0.05	UJ	0.054	UJ	0.052	UJ	0.05	UJ
Endrin	0.2	0.002	0.036	0.05	U	0.054	U	0.052	U	0.05	U
Endrin aldehyde	5	NS	NS	0.05	U *+	0.054	U *+	0.052	U *+ F2	0.05	U *+
Endrin ketone	5	NS	NS	0.05	UJ	0.054	UJ	**0.016**	**J**	0.05	UJ
gamma-BHC (Lindane)	0.05	0.008	0.95	0.05	U	0.054	U	0.052	U	0.05	U
trans-Chlordane	NS	NS	NS	0.05	U	0.05	U	0.052	U	0.05	U
Heptachlor	0.04	0.0002	NS	0.05	U	0.054	U	0.052	U	0.05	U
Heptachlor epoxide	0.03	0.0003	NS	0.05	U	0.054	U	0.052	U	0.05	U
Methoxychlor	35	NS	0.03	0.05	UJ	**0.018**	**J**	**0.018**	**J**	**0.018**	**J**
Toxaphene	0.06	0.000006	0.005	0.5	U	0.54	U	0.52	U	0.5	U

Notes:
* - Surface Water Quality Standards - Class C Freshwater, taken from 6NYCRR Part 703.5, March 12, 1998. Includes three protection values, including: H(WS) = Health (Water Source, H(FC) = Health Fish Consumption, W = Wildlife
NS - No standard or guidance value.
U - Compound analyzed for but not detected
UJ - Compound analyzed for and not detected but the detection limit is approximate.
F2 - MS/MSD RPD exceeds control limits
*+ - LCS and/or LDSD is outside acceptable limits, high biased.

Table 6
Kennyetto Creek Surface Water Analytical Results
Per-and Polyfluoroalkyl Substances and 1,4-Dioxane - June 2021

Korkay, Inc. - Broadalbin, New York
(Site #518014)

Sampling Location			SW-1		SW-2		SW-3			
	Screening Value *		SW-1 060221		SW-2 060221		SW-3 060221		SW-DUP 060221	
PFAS - Per-and Polyfluoroalkyl Substances (ng/L)	**A(C)**	**H(WS)**								
Perfluorooctanoic acid (PFOA)	NA	6.7	1.9	U	1.9	U	**0.9**	**J**	**0.87**	**J**
Perfluorooctanesulfonic acid (PFOS)	160,000	2.7	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorobutanoic acid (PFBA)	NA	NA	4.7	U	4.6	U	4.4	U	4.7	U
Perfluoropentanoic acid (PFPeA)	NA	NA	1.9	U	1.9	U	**0.41**	**J**	**0.48**	**J**
Perfluorohexanoic acid (PFHxA)	NA	NA	1.9	U	1.9	U	**0.46**	**J**	**0.43**	**J**
Perfluoroheptanoic acid (PFHpA)	NA	NA	1.9	U	1.9	U	**0.45**	**J**	**0.46**	**J**
Perfluorononanoic acid (PFNA)	NA	NA	1.9	U	1.9	U	1.8	U	**0.31**	**J**
Perfluorodecanoic acid (PFDA)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluoroundecanoic acid (PFUnA)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorododecanoic acid (PFDoA)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorotridecanoic acid (PFTriA)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorotetradecanoic acid (PFTeA)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorobutanesulfonic acid (PFBS)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorohexanesulfonic acid (PFHxS)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluoroheptanesulfonic acid (PFHpS)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorodecanesulfonic acid (PFDS)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
Perfluorooctanesulfonamide (FOSA)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
NMeFOSAA	NA	NA	4.7	U	4.7	U	4.4	U	4.7	U
NEtFOSAA	NA	NA	4.7	U	4.7	U	4.4	U	4.7	U
6:2 Fluorotelomersulfonate (6:2 FTS)	NA	NA	4.7	U	4.7	U	4.4	U	4.7	U
8:2 Fluorotelomersulfonate (8:2 FTS)	NA	NA	1.9	U	1.9	U	1.8	U	1.9	U
1,4 - Dioxane (ug/L)										
1,4 - Dioxane	18,000	0.35	0.2	U	0.2	U	0.2	U	0.2	U

Notes:
* - Draft Proposed Guidance Values, NYSDEC Technical and Administrative Guidance Series (TOGs 1.1.1), October 6, 2021.
A(C) - Protection of aquatic life from chronic effects.
H(WS) - Protection of Human Health, Source of Drinking Water (surface water).
NA - Screening Value not available.
Compounds listed in ***BOLD Italic*** font have been reported as detected in groundwater on the Korkay Site
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit, or qualified through data usability review.

8/25/2022

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Table 7
Kennyetto Creek Sediment Analytical Results
VOCs - June 2021

Korkay, Inc. - Broadalbin, New York
(Site #518014)

	Class A NYSDEC Freshwater Sediment Guidance Values*	SED-1		SED-2				SED-3	
		6/2/21		6/2/21		6/2/2021 (Dup)		6/2/21	
Volatile Organic Compounds (µg/kg)									
1,1,1-Trichloroethane	<1,900 (sum of isomers)	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
1,1,2,2-Tetrachloroethane	< 2,800	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,1,2-Trichloro-1,2,2-trifluoroethane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
1,1,2-Trichloroethane	<1,900 (sum of isomers)	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,1-Dichloroethane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
1,1-Dichloroethene	<520	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
1,2,4-Trichlorobenzene	<35,000	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,2,4-Trimethylbenzene	<3,400	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,2-Dibromo-3-Chloropropane	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,2-Dibromoethane	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,2-Dichlorobenzene	<280	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,2-Dichloroethane	<1,700	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
1,2-Dichloropropane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
1,3,5-Trimethylbenzene	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,3-Dichlorobenzene	<1,800	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
1,4-Dichlorobenzene	<720	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
2-Butanone (MEK)	NG	32	U vs	35	U F1 vs	42	U vs	53	U vs
2-Hexanone	NG	32	U vs	35	U vs	42	U vs	53	U vs
4-Isopropyltoluene	NG	6.4	U vs	7.1	U F2F1 vs	8.4	U vs	**38**	
4-Methyl-2-pentanone (MIBK)	NG	32	U vs	35	U F1 vs	42	U vs	53	U vs
Acetone	NG	**10**	**J vs**	**8.5**	**J F1 vs**	**9.3**	**J vs**	**35**	**J**
Benzene	<530	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Bromodichloromethane	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Bromoform	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Bromomethane	NG	6.4	U vs	7.1	UJ vs	8.4	U vs	11	U vs
Carbon disulfide	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Carbon tetrachloride	<1,070	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Chlorobenzene	<200	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Chloroethane	NG	6.4	UJ vs	7.1	UJ F1 vs	8.4	UJ vs	11	UJ vs
Chloroform	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Chloromethane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
cis-1,2-Dichloroethene	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
cis-1,3-Dichloropropene	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Cyclohexane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Dibromochloromethane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Dichlorodifluoromethane	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Ethylbenzene	<430	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Isopropylbenzene	<210	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
m,p-Xylene	<480	13	U vs	14	U vs	17	U vs	21	U vs
Methyl acetate	NG	32	U vs	35	U vs	42	U vs	53	U vs
Methyl tert-butyl ether	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Methylcyclohexane	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Methylene Chloride	<41	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Naphthalene	NG - See PAH's	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
n-Butylbenzene	NG	6.4	U vs	7.1	U F2F1 vs	8.4	U vs	11	U vs
N-Propylbenzene	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
o-Xylene	<820	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
sec-Butylbenzene	NG	6.4	U vs	7.1	U F2F1 vs	8.4	U vs	11	U vs
Styrene	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
tert-Butylbenzene	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Tetrachloroethene	NG	6.4	U vs	7.1	U F1 vs	8.4	U vs	11	U vs
Toluene	<930	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
trans-1,2-Dichloroethene	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
trans-1,3-Dichloropropene	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Trichloroethene	<1,800	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Trichlorofluoromethane	NG	6.4	UJ vs	7.1	UJ vs	8.4	UJ vs	11	UJ vs
Vinyl chloride	NG	6.4	U vs	7.1	U vs	8.4	U vs	11	U vs
Xylenes, Total	NG	13	U vs	14	U F1 vs	17	U vs	21	U vs

Notes:

* - Freshwater Sediment Guidance Values taken from: *Screening and Assessment of Contaminated Sediment* , NYSDEC, June 24, 2014.

NG - No Guidance Value.

U - Compound was analyzed for but not detected. Laboratory Reporting Limits (RLs) are listed for non-detects.

UJ - Compound was analyzed for and not detected but the detection limit is approximate.

vs - Reported concentrations less than 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

F1 - MS and/or MSD recovery is outside acceptable limits. F2 - MS/MSD RPD exceeds control limits.

J - Estimated concentration. Result is less than the RL but greater than the Method Detection Limit (MDL).

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Table 8
Kennyetto Creek Sediment Analytical Results
SVOCs - June 2021

Korkay, Inc. - Broadalbin, New York
(Site #518014)

	Class A NYSDEC Freshwater Sediment Guidance Values*	SED-1		SED-2				SED-3	
		6/2/21		6/2/21		6/2/2021 (Dup)		6/2/21	
Semi-Volatile Organic Compounds(µg/kg)									
Biphenyl	NG	210	U	240	U	280	U	370	U
bis (2-chloroisopropyl) ether	NG	210	U	240	U	280	U	370	U
2,4,5-Trichlorophenol	NG	210	U	240	U	280	U	370	U
2,4,6-Trichlorophenol	NG	210	U	240	U	280	U	370	U
2,4-Dichlorophenol	NG	210	U	240	U	280	U	370	U
2,4-Dimethylphenol	NG	210	U	240	U	280	U	370	U
2,4-Dinitrophenol	NG	2100	U	2400	U	2800	U	3600	U
2,4-Dinitrotoluene	NG	210	U	240	U F2	280	U	370	U
2,6-Dinitrotoluene	NG	210	U	240	U	280	U	370	U
2-Chloronaphthalene	NG	210	U	240	U	280	U	370	U
2-Chlorophenol	NG	410	U	470	U	550	U	710	U
2-Methylphenol	NG	210	U	240	U	280	U	370	U
2-Methylnaphthalene	NG	210	U	240	U	280	U	370	U
2-Nitroaniline	NG	410	U	470	U F2	550	U	710	U
2-Nitrophenol	NG	210	U	240	U	280	U	370	U
3,3'-Dichlorobenzidine	NG	410	U	470	U	550	U	710	U
3-Nitroaniline	NG	410	U	470	U	550	U	710	U
4,6-Dinitro-2-methylphenol	NG	410	U	470	U F2	550	U	710	U
4-Bromophenyl phenyl ether	NG	210	U	240	U	280	U	370	U
4-Chloro-3-methylphenol	NG	210	U	240	U	280	U	370	U
4-Chloroaniline	NG	210	U	240	U	280	U	370	U
4-Chlorophenyl phenyl ether	NG	210	U	240	U F2	280	U	370	U
4-Methylphenol	NG	410	U	470	U	550	U	710	U
4-Nitroaniline	NG	410	U	470	U	550	U	710	U
4-Nitrophenol	NG	410	U	470	U	550	U	710	U
Acenaphthene	See Total PAHs	210	U	240	U	280	U	370	U
Acenaphthylene	See Total PAHs	210	U	240	U	280	U	370	U
Acetophenone	NG	210	U	240	U	280	U	370	U
Anthracene	See Total PAHs	210	U	240	U	280	U	370	U
Atrazine	NG	210	U	240	U	280	U	370	U
Benzaldehyde	NG	210	U	240	U	280	U	370	U
Benzo(a)anthracene	See Total PAHs	**69**	**J**	**36**	**J**	**73**	**J**	**86**	**J**
Benzo(a)pyrene	See Total PAHs	**56**	**J**	240	U F2	**60**	**J**	**83**	**J**
Benzo(b)fluoranthene	See Total PAHs	**92**	**J**	**45**	**J**	**82**	**J**	**120**	**J**
Benzo(g,h,i)perylene	See Total PAHs	**44**	**J**	240	U F2	**47**	**J**	**64**	**J**
Benzo(k)fluoranthene	See Total PAHs	**39**	**J**	240	U	**43**	**J**	**56**	**J**
Bis(2-chloroethoxy)methane	NG	210	U	240	U	280	U	370	U
Bis(2-chloroethyl)ether	NG	210	U	240	U	280	U	370	U
Bis(2-ethylhexyl) phthalate	<360,000	210	U	240	U F2	280	U	370	U
Butyl benzyl phthalate	NG	210	U	240	U	280	U	370	U
Caprolactam	NG	210	U	240	U	280	U	370	U
Carbazole	NG	210	U	240	U	280	U	370	U
Chrysene	See Total PAHs	**70**	**J**	240	U	280	U	370	U
Dibenz(a,h)anthracene	See Total PAHs	210	U	240	U	280	U	370	U
Di-n-butyl phthalate	NG	210	U	240	U F2	280	U	370	U
Di-n-octyl phthalate	NG	210	U	240	U F2	280	U	370	U
Dibenzofuran	NG	210	U	240	U F2	280	U	370	U
Diethyl phthalate	NG	210	U	240	U F2	280	U	370	U
Dimethyl phthalate	NG	210	U	240	U F2	280	U	370	U
Fluoranthene	See Total PAHs	**220**		**73**	**J**	**160**	**J**	**230**	**J**
Fluorene	See Total PAHs	210	U	240	U F2	280	U	370	U
Hexachlorobenzene	NG	210	U	240	U F2	280	U	370	U
Hexachlorobutadiene	<1,200	210	U	240	U	280	U	370	U
Hexachlorocyclopentadiene	<810	210	U	240	U	280	U	370	U
Hexachloroethane	NG	210	U	240	U	280	U	370	U
Indeno(1,2,3-cd)pyrene	See Total PAHs	**40**	**J**	240	U	**44**	**J**	**57**	**J**
Isophorone	NG	210	U	240	U	280	U	370	U
N-Nitrosodi-n-propylamine	NG	210	U	240	U	280	U	370	U
N-Nitrosodiphenylamine	NG	210	U	240	U F2	280	U	370	U
Naphthalene	See Total PAHs	210	U	240	U	280	U	370	U
Nitrobenzene	NG	210	U	240	U	280	U	370	U
Pentachlorophenol	<14,000	410	U	470	U	550	U	710	U
Phenanthrene	See Total PAHs	**62**	**J**	240	U	**75**	**J**	**120**	**J**
Phenol	NG	210	U	240	U	280	U	370	U
Pyrene	See Total PAHs	**200**	**J**	**70**	**J**	**130**	**J**	**180**	**J**
Total PAHs (sum)**	< 4,000	**892**	**J**	**224**	**J**	**714**	**J**	**996**	**J**

Notes:
* - Freshwater Sediment Guidance Values taken from: *Screening and Assessment of Contaminated Sediment* , NYSDEC, June 24, 2014.
NG - No Guidance Value.
** - Total PAHs are summed using only detections.
U - Compound was analyzed for but not detected. Laboratory Reporting Limits (RLs) are listed for non-detects.
J - Estimated concentration. Result is less than the RL but greater than the Method Detection Limit (MDL).
F2 - MS/MSD RPD exceeds control limits.

Table 9
Kennyetto Creek Sediment Analytical Results
Organochlorine Pesticides and Total Organic Carbon- June 2021

Korkay, Inc. - Broadalbin, New York
(Site #518014)

	Class A NYSDEC Freshwater Sediment Guidance Values*	SED-1		SED-2				SED-3	
		6/2/21		6/2/21		6/2/2021 (Dup)		6/2/21	
Organochlorine Pesticides (µg/kg)									
4,4'-DDD	NG	10	U	2.4	U	2.8	U	73	U
4,4'-DDE	NG	10	U	2.4	U	2.8	U	73	U
4,4'-DDT	<44	10	U	2.4	U	2.8	U	73	U
Aldrin	NG	10	U	2.4	U	2.8	U	73	U
alpha-BHC	NG	10	UJ	2.4	UJ	2.8	UJ	73	UJ
cis-Chlordane	NG	10	U	2.4	U	2.8	U	73	U
beta-BHC	NG	10	UJ	2.4	UJ	**0.86**	**J**	73	UJ
delta-BHC	NG	10	UJ	2.4	UJ	2.8	UJ	73	UJ
Dieldrin	<180	10	U	2.4	U	2.8	U	73	U
Endosulfan I	<1	10	U	2.4	U	2.8	U	73	U
Endosulfan II	NG	10	U	2.4	U	2.8	U	73	U
Endosulfan sulfate	NG	10	U	2.4	U	2.8	U	73	U
Endrin	<90	10	U	2.4	U	2.8	U	73	U
Endrin aldehyde	NG	10	U	2.4	U	2.8	U	73	U
Endrin ketone	NG	10	U	2.4	U	2.8	U	73	U
gamma-BHC (Lindane)	<47	10	UJ	2.4	UJ	2.8	UJ	73	UJ
trans-Chlordane	NG	10	U	2.4	U	2.8	U	73	U
Heptachlor	<75	10	UJ	2.4	UJ	2.8	UJ	73	UJ
Heptachlor epoxide	<15	10	U	2.4	U	2.8	U	73	U
Methoxychlor	<59	10	U	2.4	U	2.8	U	73	U
Toxaphene	<6	100	U	24	U	28	U	730	U
Total Organic Carbon									
Lloyd Khan Method (mg/Kg)	NG	21,500		20,100		26,800		18,100	

Notes:
* - Freshwater Sediment Guidance Values taken from: *Screening and Assessment of Contaminated Sediment* , NYSDEC, June 24, 2014.
NG - No Guidance Value.
U - Compound was analyzed for but not detected. Laboratory Reporting Limits (RLs) are listed for non-detects.
UJ - Compound analyzed for and not detected but the detection limit is approximate.
J - Estimated concentration. Result is less than the RL but greater than the Method Detection Limit (MDL).

Table 10
Kennyetto Creek Sediment Analytical Results
Per-and Polyfluoroalkyl Substances and 1,4-Dioxane - November 2021
Korkay, Inc. - Broadalbin, New York
(Site #518014)

	Screening Level	SED-1		SED-2				SED-3	
		11/30/21		11/30/21		11/30/2021 (Dup)		11/30/21	
Per- and Polyfluoroalkyl Substances (µg/kg)									
Perfluorobutanoic acid (PFBA)	NA	**0.078**	**J**	0.42	U	0.64	U	0.64	U
Perfluorobutanesulfonic acid (PFBS)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoropentanoic acid (PFPeA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorohexanoic acid (PFHxA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
11C1-PF3OUdS (F53B Minor)	NA	0.53	U	0.42	U	0.64	U	0.64	U
9C1-PF3ONS (F53B Major)	NA	0.53	U	0.42	U	0.64	U	0.64	U
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorodecanoic acid (PFDA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorododdecanoic acid (PFDoA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoroheptanesulfonic acid (PFHpS)	NA	0.53	U	0.42	U	0.64	U	0.64	U
N-EtFOSAA	NA	0.53	U	0.42	U	0.64	U	0.64	U
N-MeFOSAA	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorotetradecanoic acid (PFTA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorotridecanoic acid (PFTrDA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorodecanesulfonic acid (PFDS)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorooctanesulfonamide (FOSA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorononanesulfonic acid (PFNS)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoro-1-hexanesulfonamide (FHxSA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoro-1-butanesulfonamide (FBSA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorohexanesulfonic acid (PFHxS)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoro-4-oxapentanoic acid (PFMPA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoro-5-oxahexanoic acid (PFMBA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoropetanesulfonic acid (PFPeS)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoroundecanoic acid (PFUnA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoroheptanoic acid (PFHpA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluoroheptanoic acid (PFOA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
Perfluorooctanesulfonic acid (PFOS)	NA	0.53	U	**0.12**	**J**	**0.28**	**J**	0.64	U
Perfluorononanoic acid (PFNA)	NA	0.53	U	0.42	U	0.64	U	0.64	U
1,4-Dioxane (µg/kg)									
1,4-Dioxane (SIM)	NA	1.6	U	**7**		NS		4.7	U

Notes:
NA - No screening level available.
U - Compound was analyzed for but not detected. Laboratory Reporting Limits (RLs) are listed for non-detects.
J - Estimated concentration. Result is less than the RL but greater than the Method Detection Limit (MDL).
NS- field duplicate sample was not collected for this compound.

Table 11
Soil Vapor/Indoor Air Analytical Data - VOCs
Korkay, Inc. Site (#518014)
Broadalbin, NY
March, 2019

Sample Location		Structure 1						Structure 2						Structure 3							
Sample Date		03/21/19						03/21/19						03/21/19							
Sample ID		Structure 1 IA1		Structure 1 IA2		Structure 1 OA1		Structure 2 SS1		Structure 2 IA1		Structure 2 OA1		Structure 3 IA1		Structure 3 IA2		Structure 3 DUP		Structure 3 OA1	
VOC (µg/m^3)	**CAS No.**																				
NYSDOH Matrix A Compounds																					
TRICHLOROETHYLENE (TCE)	79-01-6	< 0.19	U	0.45		< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
CIS-1,2-DICHLOROETHYLENE	156-59-2	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U
1,1-DICHLOROETHENE	75-35-4	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U
CARBON TETRACHLORIDE	56-23-5	0.58		0.47		0.45		0.22		0.48		0.47		0.44		0.45		0.47		0.45	
NYSDOH Matrix B Compounds																					
TETRACHLOROETHYLENE(PCE)	127-18-4	< 0.54	U	< 0.54	U	< 0.54	U	1.5		< 0.54	U	< 0.54	U	< 0.54	U	0.64		< 0.54	U	0.70	
1,1,1-TRICHLOROETHANE	71-55-6	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U
METHYLENE CHLORIDE	75-09-2	1.2		1.1		1.7		6.4		350		1.2		0.99		1.6		0.92		0.79	
NYSDOH Matrix C Compounds																					
VINYL CHLORIDE	75-01-4	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U
Other Compounds																					
1,1,2,2-TETRACHLOROETHANE	79-34-5	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	< 0.61	U	< 0.61	U	< 0.61	U	0.66		< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U
1,1,2-TRICHLOROETHANE	79-00-5	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U
1,1-DICHLOROETHANE	75-34-3	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U
1,2,4-TRICHLOROBENZENE	120-82-1	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U
1,2,4-TRIMETHYLBENZENE	95-63-6	0.94		< 0.39	U	< 0.39	U	8.4		11		0.57		0.51		< 0.39	U	< 0.39	U	< 0.39	U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	106-93-4	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U
1,2-DICHLOROBENZENE	95-50-1	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U
1,2-DICHLOROETHANE	107-06-2	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U
1,2-DICHLOROPROPANE	78-87-5	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U
1,2-DICHLOROTETRAFLUOROETHANE	76-14-2	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	108-67-8	<0.39	U	<0.39	U	<0.39	U	3.7		4.7		<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U
1,3-DICHLOROBENZENE	541-73-1	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U
1,4-DICHLOROBENZENE	106-46-7	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U
1,4-DIOXANE (P-DIOXANE)	123-91-1	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U
2,2,4-TRIMETHYLPENTANE	540-84-1	< 0.93	U	< 0.93	U	< 0.93	U	< 0.93	U	< 0.93	U	< 0.93	U	0.96		< 0.93	U	0.95		< 0.93	U
BENZENE	71-43-2	1.4		0.96		1.3		1.1		1.3		1.3		3.3		3.5		3.5		1.6	
BENZYL CHLORIDE	100-44-7	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U
BROMODICHLOROMETHANE	75-27-4	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U
BROMOFORM	75-25-2	< 0.83	U	< 0.83	U	< 0.83	U	20		< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U
BROMOMETHANE	74-83-9	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U
CHLOROBENZENE	108-90-7	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U
CHLOROETHANE	75-00-3	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U
CHLOROFORM	67-66-3	0.51		< 0.39	U	< 0.39	U	1.6		< 0.39	U	< 0.39	U	< 0.39	U	< 0.39	U	< 0.39	U	< 0.39	U
CHLOROMETHANE	74-87-3	0.70		0.93		1.3		< 0.41	U	1.0		1.4		1.5		1.0		1.2		1.2	
CIS-1,3-DICHLOROPROPENE	10061-01-5	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U
CYCLOHEXANE	110-82-7	< 0.69	U	< 0.69	U	< 0.69	U	0.75		< 0.69	U	< 0.69	U	< 0.69	U	< 0.69	U	< 0.69	U	< 0.69	U
DIBROMOCHLOROMETHANE	124-48-1	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U
DICHLORODIFLUOROMETHANE	75-71-8	0.77		0.78		0.79		3.0		0.80		0.71		0.78		0.74		0.75		0.77	
ETHANOL	64-17-5	350		12	**J**	14	**J**	6.3		9.8	**J**	13	**J**	61	**J**	49	**J**	50	**J**	11	**J**
ETHYLBENZENE	100-41-4	< 0.35	U	< 0.35	U	< 0.35	U	1.2		14		0.38		0.83		0.45		0.61		0.44	
HEXACHLOROBUTADIENE	87-68-3	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U
M,P-XYLENES	179601-23-1	1.4		1.2		1.1		4.1		70		1.3		3.3		1.5		2.1		1.5	
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	1.3		< 0.94	U	< 0.94	U	4.9		1.2		1.2		2.1		3.6		4.4		2.2	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	108-10-1	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U	< 0.82	U
N-HEXANE	110-54-3	0.83		1.0		1.1		1.1		0.76		0.84		0.91		1.1		0.95		0.86	
O-XYLENE (1,2-DIMETHYLBENZENE)	95-47-6	0.55		0.45		0.41		2.0		23		0.52		1.1		0.53		0.68		0.48	
STYRENE	100-42-5	0.59		< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U
TERT-BUTYL ALCOHOL	75-65-0	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U
TERT-BUTYL METHYL ETHER	1634-04-4	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U
TOLUENE	108-88-3	1.6		2.2		1.9		2.6		49		2.3		4.7		4.0		5.1		3.7	
TRANS-1,2-DICHLOROETHENE	156-60-5	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U
TRICHLOROFLUOROMETHANE	75-69-4	2.3		1.9		1.3		3.8	**J**	2.6		1.3		1.2		1.3		1.3		1.2	

NOTES:

IA - Indoor Air/SS - Sub-slab soil vapor/OA - Outdoor Ambient Air

U - Compound was not detected at the listed reporting limit.

BOLD - The compound was detected.

J - Estimated concentration, greater than MDL, less than RL.

AECOM

Table 11
Soil Vapor/Indoor Air Analytical Data - VOCs
Korkay, Inc. Site (#518014)
Broadalbin, NY
March, 2019

Sample Location		Structure 4												Structure 5				Structure 6					
Sample Date		03/22/19												03/22/19				03/22/19					
Sample ID		Structure 4 SS1		Structure 4 IA1		Structure 4 IA2		Structure 4 IA3		Structure 4 IA4		Structure 4 OA1		Structure 5 SS1		Structure 5 IA1		Structure 6 IA1		Structure 6 IA2		Structure 6 OA1	
VOC (µg/m³)	**CAS No.**																						
NYSDOH Matrix A Compounds																							
TRICHLOROETHYLENE (TCE)	79-01-6	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	0.63		< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U	< 0.19	U
CIS-1,2-DICHLOROETHYLENE	156-59-2	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U
1,1-DICHLOROETHENE	75-35-4	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U	< 0.16	U
CARBON TETRACHLORIDE	56-23-5	< 0.20	U	0.57		0.51		0.47		0.53		0.43		0.56		0.50		0.55		0.52		0.46	
NYSDOH Matrix B Compounds																							
TETRACHLOROETHYLENE(PCE)	127-18-4	< 0.54	U	0.81		< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	53		3.7		< 0.54	U	< 0.54	U	< 0.54	U
1,1,1-TRICHLOROETHANE	71-55-6	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U
METHYLENE CHLORIDE	75-09-2	0.93		1.4		3.1		1.5		1.3		1.3		1.1		1.4		2.2		1.8		1.4	
NYSDOH Matrix C Compounds																							
VINYL CHLORIDE	75-01-4	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U	< 0.10	U
Other Compounds																							
1,1,2,2-TETRACHLOROETHANE	79-34-5	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U	< 0.55	U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	76-13-1	0.65		0.64		0.72		0.81		< 0.61	U	< 0.61	U	< 0.61	U	0.61		0.64		0.71		< 0.61	U
1,1,2-TRICHLOROETHANE	79-00-5	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U	< 0.44	U
1,1-DICHLOROETHANE	75-34-3	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U
1,2,4-TRICHLOROBENZENE	120-82-1	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U	< 0.59	U
1,2,4-TRIMETHYLBENZENE	95-63-6	0.47		< 0.39	U	0.41		< 0.39	U	0.44		< 0.39	U	84		55		0.43		0.42		< 0.39	U
1,2-DIBROMOETHANE (ETHYLENE DIBROMIDE)	106-93-4	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U	< 0.61	U
1,2-DICHLOROBENZENE	95-50-1	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U	< 0.48	U
1,2-DICHLOROETHANE	107-06-2	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U
1,2-DICHLOROPROPANE	78-87-5	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U
1,2-DICHLOROTETRAFLUOROETHANE	76-14-2	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U	< 0.56	U
1,3,5-TRIMETHYLBENZENE (MESITYLENE)	108-67-8	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	<0.39	U	23		15		<0.39	U	<0.39	U	<0.39	U
1,3-DICHLOROBENZENE	541-73-1	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U
1,4-DICHLOROBENZENE	106-46-7	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U	<0.48	U
1,4-DIOXANE (P-DIOXANE)	123-91-1	2.7		< 0.72	U	< 0.72	U	< 0.72	U	1.5		< 0.72	U	1.2		< 0.72	U	< 0.72	U	< 0.72	U	< 0.72	U
2,2,4-TRIMETHYLPENTANE	540-84-1	< 0.93	U	< 0.93	U	< 0.93	U	< 0.93	U	< 0.93	U	< 0.93	U	310		140		< 0.93	U	< 0.93	U	< 0.93	U
BENZENE	71-43-2	1.1		0.93		1.6		1.8		1.0		0.83		57		37		0.71		2.7		1.0	
BENZYL CHLORIDE	100-44-7	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U
BROMODICHLOROMETHANE	75-27-4	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U	< 0.54	U
BROMOFORM	75-25-2	1.1		< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U	< 0.83	U
BROMOMETHANE	74-83-9	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U	< 0.31	U
CHLOROBENZENE	108-90-7	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U	< 0.37	U
CHLOROETHANE	75-00-3	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U	0.47		< 0.21	U	< 0.21	U	< 0.21	U	< 0.21	U
CHLOROFORM	67-66-3	0.74		< 0.39	U	< 0.39	U	< 0.39	U	< 0.39	U	< 0.39	U	2.2		< 0.39	U	< 0.39	U	< 0.39	U	< 0.39	U
CHLOROMETHANE	74-87-3	< 0.41	U	1.2		1.3	**J**	1.5	**J**	1.2		1.7		2.7	J	1.7	**J**	0.77		3.2	**J**	1.4	
CIS-1,3-DICHLOROPROPENE	10061-01-5	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U
CYCLOHEXANE	110-82-7	< 0.69	U	< 0.69	U	< 0.69	U	< 0.69	U	< 0.69	U	< 0.69	U	50		20		< 0.69	U	< 0.69	U	< 0.69	U
DIBROMOCHLOROMETHANE	124-48-1	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U	< 0.68	U
DICHLORODIFLUOROMETHANE	75-71-8	3.2		3.3		3.1		3.3		2.8		2.8		2.9		2.7		3.2		3.2		3.0	
ETHANOL	64-17-5	11		9.5		81		100		97		4.7		1200		690		3.9		510		3.9	
ETHYLBENZENE	100-41-4	0.59		< 0.35	U	0.61		0.66		0.74		0.45		41		29		0.83		0.86		0.66	
HEXACHLOROBUTADIENE	87-68-3	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U	< 0.85	U
M,P-XYLENES	179601-23-1	2.2		0.90		2.2		2.4		2.5		1.4		160		120		3.0		3.2		2.3	
METHYL ETHYL KETONE (2-BUTANONE)	78-93-3	3.4		3.0		2.3		2.8		2.9		2.9		9.2		5.8		1.2		2.4		1.7	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	108-10-1	< 0.82	U	< 0.82	U	1.1		3.4		< 0.82	U	< 0.82	U	4.7	**J**	4.7		160		< 0.82	U	< 0.82	U
N-HEXANE	110-54-3	1.2		< 0.70	U	1.5		1.1		0.82		< 0.70	U	150		53		< 0.70	U	0.84		< 0.70	U
O-XYLENE (1,2-DIMETHYLBENZENE)	95-47-6	0.74		< 0.35	U	0.69		0.78		0.80		0.44		63		42		0.95		0.96		0.72	
STYRENE	100-42-5	< 0.34	U	< 0.34	U	< 0.34	U	< 0.34	U	0.49		< 0.34	U	0.56		1.9		< 0.34	U	0.34		< 0.34	U
TERT-BUTYL ALCOHOL	75-65-0	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U	5.9		< 0.97	U	< 0.97	U	< 0.97	U	< 0.97	U
TERT-BUTYL METHYL ETHER	1634-04-4	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U	< 0.58	U
TOLUENE	108-88-3	4.5		2.7		5.0		6.3		5.7		3.4		250		160		4.1		4.9		3.8	
TRANS-1,2-DICHLOROETHENE	156-60-5	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U	< 0.32	U
TRANS-1,3-DICHLOROPROPENE	10061-02-6	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U	< 0.36	U
TRICHLOROFLUOROMETHANE	75-69-4	2.1	**J**	1.9	**J**	2.2	**J**	2.1	**J**	1.8	**J**	1.8	**J**	1.8	**J**	2.4	**J**	1.9	**J**	2.5	J	1.7	**J**

NOTES:

IA - Indoor Air/SS - Sub-slab soil vapor/OA - Outdoor Ambient Air

U - Compound was not detected at the listed reporting limit.

BOLD - The compound was detected.

J - Estimated concentration, greater than MDL, less than RL.

AECOM

Table 12
Soil Vapor/Indoor Air Analytical Data - VOCs
Korkay, Inc. Site (#518014)
Broadalbin, NY
March, 2022

Sample Location		Structure 2						Structure 3							
Sample Date		03/30/22						03/30/22							
Sample ID		Structure 2 SS1		Structure 2 IA1		Structure 2 OA1		Structure 3 IA1		Structure 3 IA2		Structure 3 DUP		Structure 3 OA1	
VOC (µg/m³)	**CAS No.**														
NYSDOH Matrix A Compounds															
Trichloroethylene	79-01-6	<1.1	U	<0.19	U	<0.19	U	0.87		<0.19	U	<0.19	U	0.37	
cis-1,2-Dichloroethylene	156-59-2	<0.79	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,1-Dichloroethylene	75-35-4	<0.79	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Carbon Tetrachloride	56-23-5	<1.3	U	0.42		0.44		0.36		0.40		0.35		0.47	
NYSDOH Matrix B Compounds															
Tetrachloroethylene	127-18-4	<1.4	U	0.35		<0.24	U	0.20	J	0.18	J	0.19	J	<0.24	U
1,1,1-Trichloroethane	71-55-6	<1.1	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U
Methylene Chloride	75-09-2	<6.9	U	1.4		1.1	J	1.2	J	0.60	J	0.65	J	0.87	J
NYSDOH Matrix C Compounds															
Vinyl Chloride	75-01-4	<5.1	U	<0.089	U	<0.089	U	<0.089	U	<0.089	U	<0.089	U	<0.089	U
Other Compounds															
Acetone		120		30		7.0		7.4		4.4		5.8		3.5	
Benzene	71-43-2	2.0		2.4		0.58		1.3		1.4		1.3		0.46	
Benzyl chloride	100-44-7	<1.0	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Bromodichloromethane	75-27-4	<1.3	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U
Bromoform	75-25-2	<2.1	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Bromomethane	74-83-9	<0.78	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,3-Butadiene		<0.44	U	1.3		<0.077	U	<0.077	U	<0.077	U	<0.077	U	<0.077	U
2-Butanone (MEK)	78-93-3	11	J	2.9	J	1.4	J	1.4	J	<4.1	U	1.2	J	<4.1	U
Carbon Disulfide		<6.2	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U
Chlorobenzene	108-90-7	<0.92	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Chloroethane	75-00-3	<0.53	U	<0.092	U	<0.092	U	<0.092	U	<0.092	U	<0.092	U	<0.092	U
Chloroform	67-66-3	<0.98	U	0.38		<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Chloromethane	74-87-3	<0.83	U	2.3		1.2		1.2		1.1		1.0		1.2	
Cyclohexane	110-82-7	<0.69	U	1.4		<0.12	U	<0.12	U	<0.12	U	<0.12	U	<0.12	U
Dibromochloromethane	124-48-1	<1.7	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U
1,2-Dibromoethane (EDB)	106-93-4	<1.5	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U
1,2-Dichlorobenzene	95-50-1	<1.2	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
1,3-Dichlorobenzene	541-73-1	<1.2	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
1,4 Dichlorobenzene	106-46-7	<1.2	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U
Dichlorodifluoromethane (Freon 12)	75-71-8	2.3		2.3		2.4		2.4		2.5		2.4		2.4	
1,1-Dichloroethane	75-34-3	<0.81	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,2-Dichloroethane	107-06-2	<0.81	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
trans-1,2-Dichloroethylene	156-60-5	<0.79	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
1,2-Dichloropropane	78-87-5	<0.92	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Cis-1,3-Dichloropropene	10061-01-5	<0.91	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
Trans-1,3-Dichloropropene	10061-02-6	<0.91	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)		<1.4	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U
1,4-Dioxane	123-91-1	<7.2	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U
Ethanol	64-17-5	22		1600		9.8		110		19		110		6.5	
Ethyl Acetate		<7.2	U	5.5		<1.3	U	1.1	J	<1.3	U	0.96	J	<1.3	U
Ethylbenzene	100-41-4	3.6		2.1		<0.15	U	0.12	J	0.13	J	0.14	J	0.094	J
4-Ethyltoluene		<0.98	U	0.50		<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Heptane		71		2.2		0.14	J	0.17		0.14	J	0.17		<0.14	U
Hexachlorobutadiene	87-68-3	<2.1	U	<0.37	U	<0.37	U	<0.37	U	<0.37	U	<0.37	U	<0.37	U
Hexane		9.8	J	5.4		1.1	J	1.3	J	1.1	J	1.1	J	1.1	J
2-Hexanone (MBK)		<0.82	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Isopropanol		5.8	J	10		1.6	J	1.2	J	0.97	J	0.79	J	0.81	J
Methyl tert-Butyl Ether (MTBE)	1634-04-4	<0.72	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U
4-Methyl-2-pentanone (MIBK)	108-10-1	2.1		<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U
Naphthalene		<1.0	U	6.4		<0.18	U	0.22		0.17	J	0.23		0.24	
Propene		<14	U	<2.4	U	<2.4	U	<2.4	U	<2.4	U	<2.4	U	<2.4	U
Styrene	100-42-5	<0.85	U	0.40		<0.15	U	0.11	J	<0.15	U	0.15		<0.15	U
1,1,2,2-Tetrachloroethane	79-34-5	<1.4	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U
Tetrahydrofuran		4.3	J	<1.0	U	0.30	J	0.89	J	0.43	J	0.93	J	0.21	J
Toluene	108-88-3	8.7		10.0		0.74		0.84		0.81		0.89		0.55	
1,2,4-Trichlorobenzene	120-82-1	<1.5	U	<0.26	U	<0.26	U	<0.26	U	<0.26	U	<0.26	U	<0.26	U
1,1,2-Trichloroethane	79-00-5	<1.1	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U
Trichlorofluoromethane (Freon 11)	75-69-4	3.1	J	4.3		1.3		1.5		1.3		1.4		1.3	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	<6.1	U	0.65	J	0.58	J	0.59	J	0.63	J	0.60	J	0.60	J
1,2,4-Trimethylbenzene	95-63-6	3.9		1.5		0.11	J	0.11	J	0.079	J	<0.17	U	0.099	J
1,3,5-Trimethylbenzene	108-67-8	2.7		0.44		<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U
Vinyl Acetate		<0.51	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U
m&p-Xylene	179601-23-1	12		8.7		0.29	J	0.39		0.39		0.38		0.27	J
o-Xylene	95-47-6	3.7		3.9		0.12	J	0.14	J	0.14	J	0.15	J	0.100	J

NOTES:

IA - Indoor Air/SS - Sub-slab soil vapor/OA - Outdoor Ambient Air

U - Compound was not detected at the listed reporting limit.

BOLD - The compound was detected.

J - Estimated concentration, greater than MDL, less than RL.

Two other structures (Structures 1 and 6) planned for this event were inaccessible and could not be be sampled

*Water was drawn into the sample regulator due to high groundwater conditions and therefore a sub-slab sample could not be collected at this Structure

AECOM

Table 12
Soil Vapor/Indoor Air Analytical Data - VOCs
Korkay, Inc. Site (#518014)
Broadalbin, NY
March, 2022

	Sample Location	Structure 4												Structure 5			
	Sample Date	03/30/22												03/30/22			
	Sample ID	Structure 4 SS1*	Structure 4 IA1		Structure 4 IA2		Structure 4 IA3		Structure 4 IA4		Structure 4 OA1			Structure 5 SS1		Structure 5 IA1	
VOC (µg/m³)	**CAS No.**																
NYSDOH Matrix A Compounds																	
Trichloroethylene	79-01-6	-	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U		<1.4	U	<0.19	U
cis-1,2-Dichloroethylene	156-59-2	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.1	U	<0.14	U
1,1-Dichloroethylene	75-35-4	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.1	U	<0.14	U
Carbon Tetrachloride	56-23-5	-	0.49		0.47		0.47		0.46		0.54			<1.7	U	0.43	
NYSDOH Matrix B Compounds																	
Tetrachloroethylene	127-18-4	-	<0.24	U	<0.24	U	<0.24	U	0.41		<0.24	U		1100		48	
1,1,1-Trichloroethane	71-55-6	-	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U		<1.5	U	<0.19	U
Methylene Chloride	75-09-2	-	1.2	J	1.9		1.5		3.8		1.2			<9.3	U	2.3	
NYSDOH Matrix C Compounds																	
Vinyl Chloride	75-01-4	-	<0.089	U	<0.089	U	<0.089	U	<0.089	U	<0.089	U		<0.68	U	<0.089	U
Other Compounds																	
Acetone		-	9.7		6.9		12		10		3.5			50		170	
Benzene	71-43-2	-	0.47		0.46		0.46		0.63		0.45			0.97		12	
Benzyl chloride	100-44-7	-	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U		<1.4	U	<0.36	U
Bromodichloromethane	75-27-4	-	<0.23	U	<0.23	U	<0.23	U	<0.23	U	<0.23	U		1.3	J	<0.23	U
Bromoform	75-25-2	-	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U		<2.8	U	<0.36	U
Bromomethane	74-83-9	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.0	U	<0.14	U
1,3-Butadiene		-	<0.077	U	<0.077	U	<0.077	U	<0.077	U	<0.077	U		<0.59	U	<0.077	U
2-Butanone (MEK)	78-93-3	-	1.8	J	<4.1	U	1.6	J	1.4	J	<4.1	U		<31	U	4.6	
Carbon Disulfide		-	<1.1	U	<1.1	U	<1.1	U	<1.1	U	<1.1	U		1.8	J	<1.1	U
Chlorobenzene	108-90-7	-	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U		<1.2	U	<0.16	U
Chloroethane	75-00-3	-	<0.092	U	<0.092	U	<0.092	U	<0.092	U	<0.092	U		<0.70	U	<0.092	U
Chloroform	67-66-3	-	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U		56		<0.17	U
Chloromethane	74-87-3	-	1.1		1.1		1.1		0.96		1.1			<1.1	U	1.2	
Cyclohexane	110-82-7	-	<0.12	U	<0.12	U	<0.12	U	0.25		<0.12	U		<0.92	U	18	
Dibromochloromethane	124-48-1	-	<0.30	U	<0.30	U	<0.30	U	<0.30	U	<0.30	U		<2.3	U	<0.30	U
1,2-Dibromoethane (EDB)	106-93-4	-	<0.27	U	<0.27	U	<0.27	U	<0.27	U	<0.27	U		<2.0	U	<0.27	U
1,2-Dichlorobenzene	95-50-1	-	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U		<1.6	U	<0.21	U
1,3-Dichlorobenzene	541-73-1	-	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U		<1.6	U	<0.21	U
1,4 Dichlorobenzene	106-46-7	-	<0.21	U	<0.21	U	<0.21	U	<0.21	U	<0.21	U		<1.6	U	<0.21	U
Dichlorodifluoromethane (Freon 12)	75-71-8	-	2.4		2.4		2.5		2.5		2.5			3.6		2.4	
1,1-Dichloroethane	75-34-3	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.1	U	<0.14	U
1,2-Dichloroethane	107-06-2	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.1	U	<0.14	U
trans-1,2-Dichloroethylene	156-60-5	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	1.6			<1.1	U	<0.14	U
1,2-Dichloropropane	78-87-5	-	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U		<1.2	U	<0.16	U
Cis-1,3-Dichloropropene	10061-01-5	-	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U		<1.2	U	<0.16	U
Trans-1,3-Dichloropropene	10061-02-6	-	<0.16	U	<0.16	U	<0.16	U	<0.16	U	<0.16	U		<1.2	U	<0.16	U
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)		-	<0.24	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U		<1.9	U	<0.24	U
1,4-Dioxane	123-91-1	-	<1.3	U	<1.3	U	<1.3	U	<1.3	U	<1.3	U		<9.6	U	<1.3	U
Ethanol	64-17-5	-	170		82		24		8.0		2.7			14	J	140	
Ethyl Acetate		-	0.69	J	0.65	J	<1.3	U	4.1		<1.3	U		<9.6	U	4.8	
Ethylbenzene	100-41-4	-	0.23		0.16		0.13	J	0.34		<0.15	U		4.8		13	
4-Ethyltoluene		-	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U		2.7		5.2	
Heptane		-	0.17		0.17		0.16		0.47		<0.14	U		4.6		29	
Hexachlorobutadiene	87-68-3	-	<0.37	U	<0.37	U	<0.37	U	<0.37	U	<0.37	U		<2.8	U	<0.37	U
Hexane		-	1.1	J	1.2	J	1.2	J	2.6	J	1.2	J		<38	U	46	
2-Hexanone (MBK)		-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.1	U	<0.14	U
Isopropanol		-	1.4	J	1.9	J	1.6	J	3.4	J	1.3	J		<26	U	4.2	
Methyl tert-Butyl Ether (MTBE)	1634-04-4	-	<0.13	U	<0.13	U	<0.13	U	<0.13	U	<0.13	U		<0.96	U	<0.13	U
4-Methyl-2-pentanone (MIBK)	108-10-1	-	<0.14	U	<0.14	U	<0.14	U	<0.14	U	<0.14	U		<1.1	U	<0.14	U
Naphthalene		-	<0.18	U	<0.18	U	<0.18	U	<0.18	U	<0.18	U		<1.4	U	2.3	
Propene		-	<2.4	U	<2.4	U	<2.4	U	<2.4	U	<2.4	U		<18	U	<2.4	U
Styrene	100-42-5	-	0.14	J	0.18		<0.15	U	0.13	J	<0.15	U		<1.1	U	<0.15	U
1,1,2,2-Tetrachloroethane	79-34-5	-	<0.24	U	<0.24	U	<0.24	U	<0.24	U	<0.24	U		<1.8	U	<0.24	U
Tetrahydrofuran		-	<1.0	U	0.32	J	0.28	J	0.46	J	0.27	J		<7.9	U	<1.0	U
Toluene	108-88-3	-	1.4		1.4		1.1		4.8		0.57			14		75	
1,2,4-Trichlorobenzene	120-82-1	-	<0.26	U	<0.26	U	<0.26	U	<0.26	U	<0.26	U		<2.0	U	<0.26	U
1,1,2-Trichloroethane	79-00-5	-	<0.19	U	<0.19	U	<0.19	U	<0.19	U	<0.19	U		<1.5	U	<0.19	U
Trichlorofluoromethane (Freon 11)	75-69-4	-	1.3		1.4		1.3		1.4		1.4			1.9	J	2.0	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	-	0.59	J	0.61	J	0.49	J	0.60	J	0.73	J		<8.2	U	0.64	J
1,2,4-Trimethylbenzene	95-63-6	-	0.26		0.14	J	<0.17	U	0.20		<0.17	U		13		18	
1,3,5-Trimethylbenzene	108-67-8	-	<0.17	U	<0.17	U	<0.17	U	<0.17	U	<0.17	U		3.4		4.6	
Vinyl Acetate		-	<2.5	U	<2.5	U	<2.5	U	<2.5	U	<2.5	U		<19	U	<2.5	U
m&p-Xylene	179601-23-1	-	0.78		0.48		0.40		1.0		0.26	J		24		43	
o-Xylene	95-47-6	-	0.34		0.19		0.14	J	0.36		0.100	J		8.3		17	

NOTES:

IA - Indoor Air/SS - Sub-slab soil vapor/OA - Outdoor Ambient Air

U - Compound was not detected at the listed reporting limit.

BOLD - The compound was detected.

J - Estimated concentration, greater than MDL, less than RL.

Two other structures (Structures 1 and 6) planned for this event were inaccessible and could

*Water was drawn into the sample regulator due to high groundwater conditions and therefor

AECOM

Charts

Chart 1
Historical Groundwater Total VOC Concentration Trends - Source Area Wells
Korkay Inc.

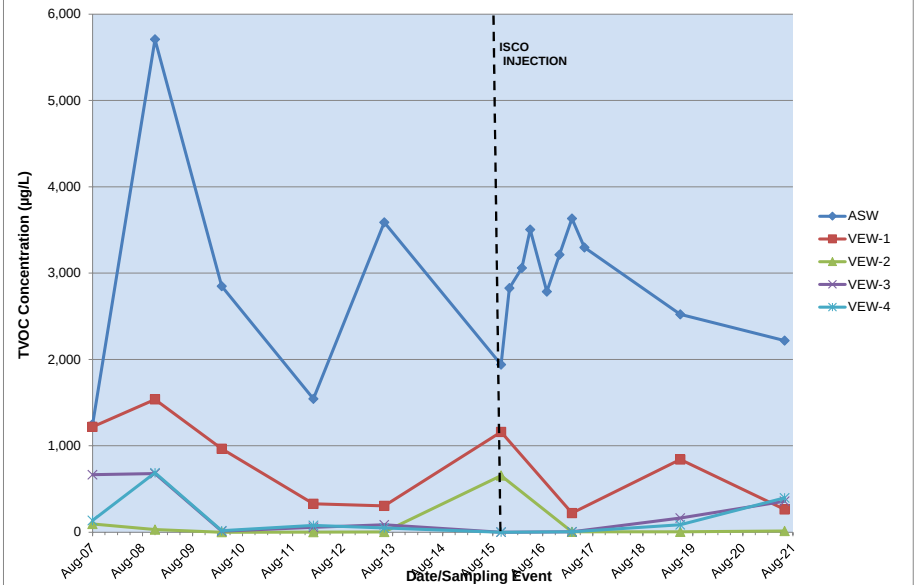
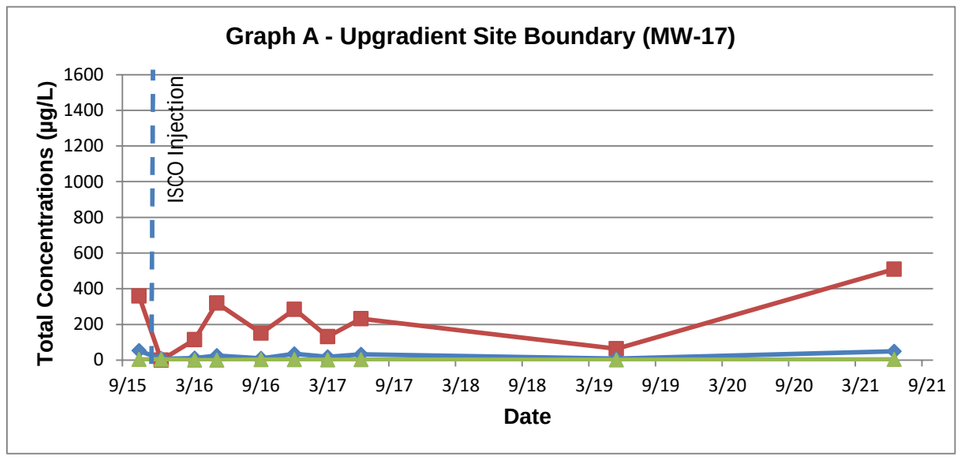
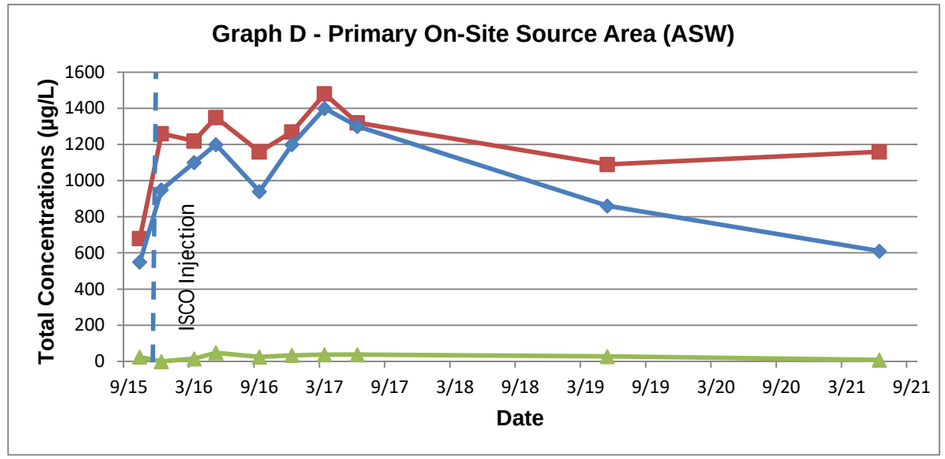
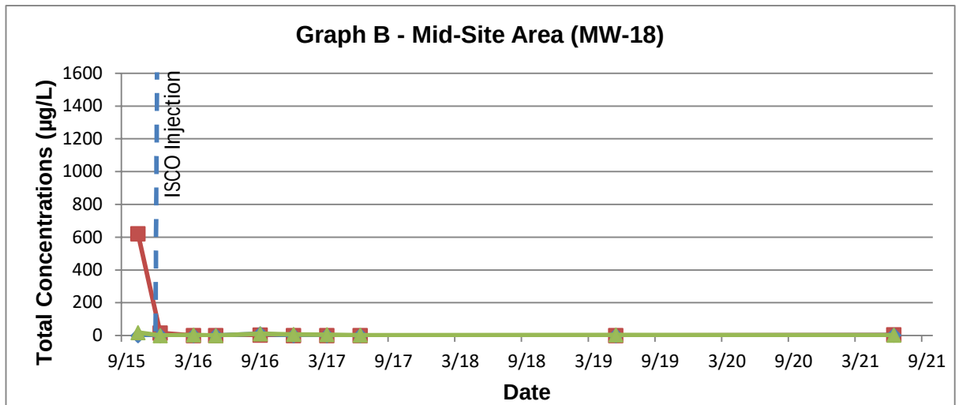
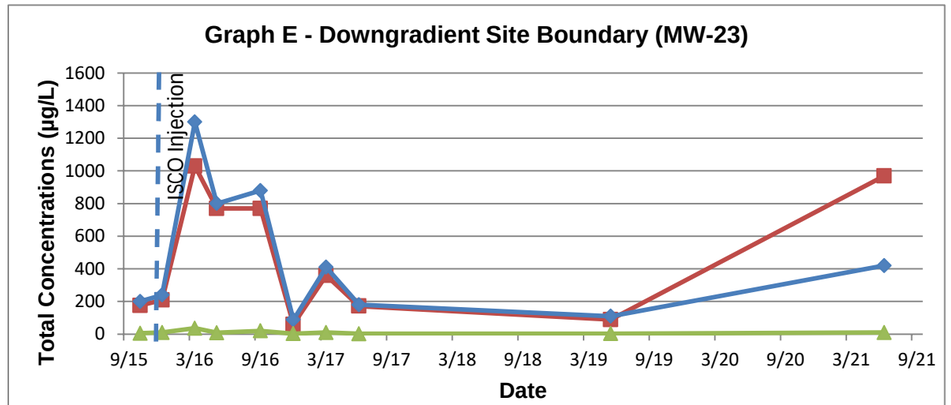


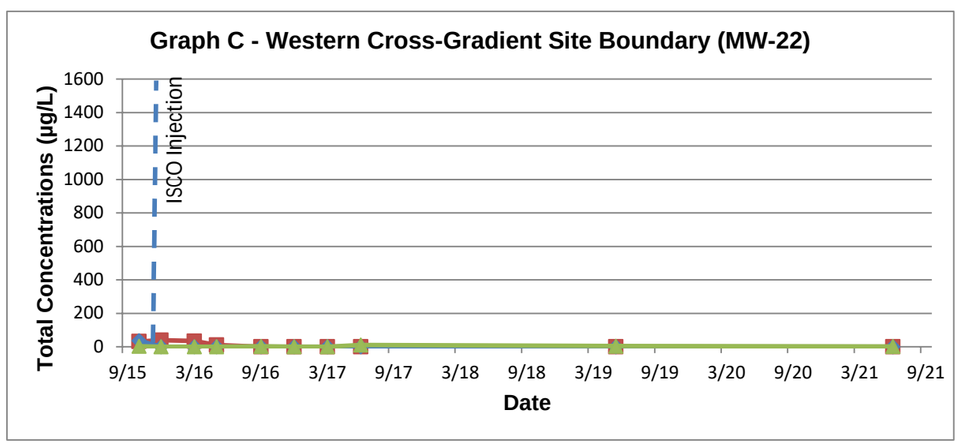
Chart 2
Post-ISCO Injection Groundwater Concentration Trends
Korkay Inc.

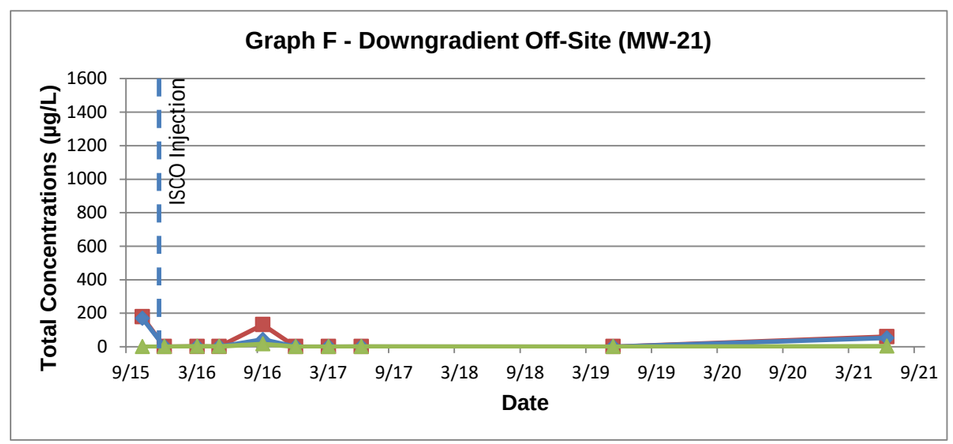


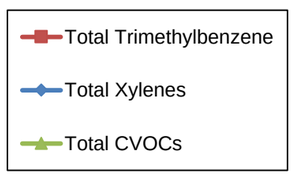












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7/14/2021

Appendices

Appendix A

Environmental Notice

FULTON COUNTY CLERK

WILLIAM E. ESCHLER

Receipt

Receipt Date: 02/01/2013 11:38:20 AM
RECEIPT # 2013229249

Recording Clerk: FC
Cash Drawer: CASH1
Rec'd Frm: INDEPENDENT

Instr#: 2013-18049
DOC: MISC DOCUMENT
OR Party: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DEPARTMENT
EE Party: PERMA GLAZE CHEMICAL CORPORATION

STANDARD	
Cover Page	$5.00
Recording Fee	$50.00
Cultural Ed	$14.25
Records Management - County	$1.00
Records Management - State	$4.75
DOCUMENT TOTAL: ---->	$75.00

Receipt Summary

TOTAL RECEIPT: ---->	$75.00
TOTAL RECEIVED: ---->	$75.00
CASH BACK: ---->	$0.00

PAYMENTS
Check # 3612 -> $75.00

223 West Main Street, Johnstown, NY 12095 Phone (518) 736-5555 Fax (518) 762-9214

COPY

Korkay, Incorporated
Site No. 518014
70 West Main Street
Broadalbin, Fulton County, NY
Tax Map: 137.15-5-25

ENVIRONMENTAL NOTICE

THIS ENVIRONMENTAL NOTICE is made the 25th day of January 20 13 by the New York State Department of Environmental Conservation (Department), having an office for the transaction of business at 625 Broadway, Albany, New York 12233.

WHEREAS, that parcel of real property located at the address of 70 West Main Street in the Village of Broadalbin, County of Fulton and State of New York, known and designated on the tax map of the County Clerk of the County of Fulton as tax map parcel number: Section 137.15 Block 5 Lot 25 which is part of lands conveyed by Kaldar, Inc. to the Perma Glaze Chemical Corporation by deed dated March 31, 1970 and recorded on October 4, 1971, in Book Liber 515 of Deeds at page 238 from the County of Fulton, the property being more particularly described in the metes and bounds and tax map and attached hereto as Appendix "A" to this notice and made a part hereof, and hereinafter referred to as "the Property" and is the subject of a remedial program performed by the Department; and

WHEREAS, the Department approved a cleanup to address contamination disposed at the Property and such cleanup was conditioned upon certain limitations.

NOW, THEREFORE, the Department provides notice that:

FIRST, the part of lands subject to this Environmental Notice is as shown on a map attached to this Notice as Appendix "B" and made a part hereof.

SECOND, unless prior written approval by the Department or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained, where contamination remains at the Property subject to the provisions of the Operation and Maintenance ("O&M"), Plan there shall be no disturbance or excavation of the Property which threatens the integrity of the engineering controls or which results or may result in a significantly increased threat of harm or damage at any site as a result of exposure to soils. A violation of this provision is a violation of 6 NYCRR 375-1.1 1(b)(2).

THIRD, no person shall disturb, remove, or otherwise interfere with the installation, use, operation, and maintenance of engineering controls required for the Remedy, including but not limited to those engineering controls described in the O&M Plan and listed below, unless in each instance they first obtain a written waiver of such prohibition from the Department or Relevant Agency.

FOURTH, the remedy was designed to be protective for Commercial or Industrial uses. Therefore, any use for purposes other than Commercial or Industrial uses without the express written waiver of such prohibition by the Relevant Agency may result in a significantly increased threat of harm or damage at the site.

FIFTH, no person shall use the groundwater underlying the Property without treatment rendering it safe for drinking water or industrial purposes, as appropriate, unless the user first obtains permission to do so from the Department or Relevant Agency. Use of the groundwater without appropriate treatment may result in a significantly increased threat of harm or damage at the site.

SIXTH, it is a violation of 6 NYCRR 375-1.11(b) to use the Property in a manner inconsistent with this environmental notice.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

By: _____
Robert W. Schick, P.E., Director
Division of Environmental Remediation

STATE OF NEW YORK) ss:
COUNTY OF ALBANY)

On the 15th day of January, in the year 2013, before me, Robert. W. Schick, the undersigned, personally appeared, and is personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public – State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

Appendix A

Korkay, Incorporated
Site No. 518014
70 West Main Street
Broadalbin, Fulton County, NY
Tax Map: 137.15-5-25

METES and BOUNDS Description

ALL THAT TRACT, PIECE OR PARCEL OF LAND, situate, in the Town of Broadalbin, County of Fulton, and State of New York, bounded and described as follows:

PARCEL NO. 1.

Beginning at an iron post on Main Street, 640 feet westerly from the inside of the sidewalk on First Avenue, in the Village of Broadalbin, County of Fulton and State of New York; running thence north 11°10' west, to an iron post, and continuing thence northerly to an iron post which is 222 feet more or less northerly from the iron post on Main Street heretofore mentioned; running thence in a westerly direction along the lands now or formerly belonging to the Estate of George W. Hughest, deceased; running thence in a southerly direction along the lands formerly owned by William Kennedy, now or formerly owned by Etta Perkins; and running thence in an easterly direction along Main Street in said Village to the first mentioned iron post and point and place of beginning.

PARCEL NO. 2.

COMMENCING at a point on the northerly side of West Main Street in said Village at a point approximately 640 feet westerly from the inside of the sidewalk on First Avenue in said Village; running thence Northeasterly, along the east line of lands now owned or supposed to be by Crossley Glove Co., Inc., a distance of approximately 250 feet to the south line of lands of E. C. and K. Tanner; running thence EASTERLY along the south line of land of said E. C. and K. Tanner a distance of approximately 90 feet to the west line of the lands now owned or supposed to be by the First Presbyterian Church of Broadalbin, New York; running thence SOUTHEASTERLY along the westerly line of lands of said First Presbyterian Church a distance of approximately 250 feet to the north line of West Main Street in said Village; running thence WESTERLY along the north line of West Main Street a distance of approximately 120 feet to the point and place of beginning, together with dwelling-house thereon.

All measurements in the above description being the same more or less.

Being the same premises conveyed to Kaldar, Inc. by Warranty Deed from M&W Glove Corp., formerly known as Crossley Glove Co., Inc. dated May 26, 1969, and recorded May 27, 1969, in the Fulton County Clerk's Office in Book 502 of Deeds at Page 1129.

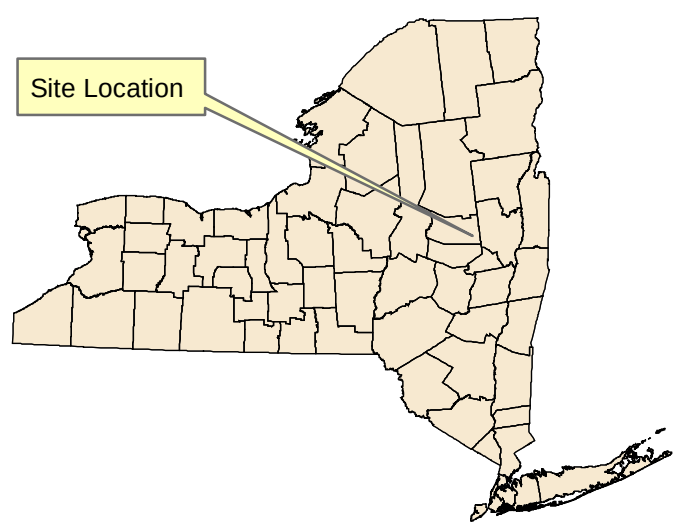
Appendix B

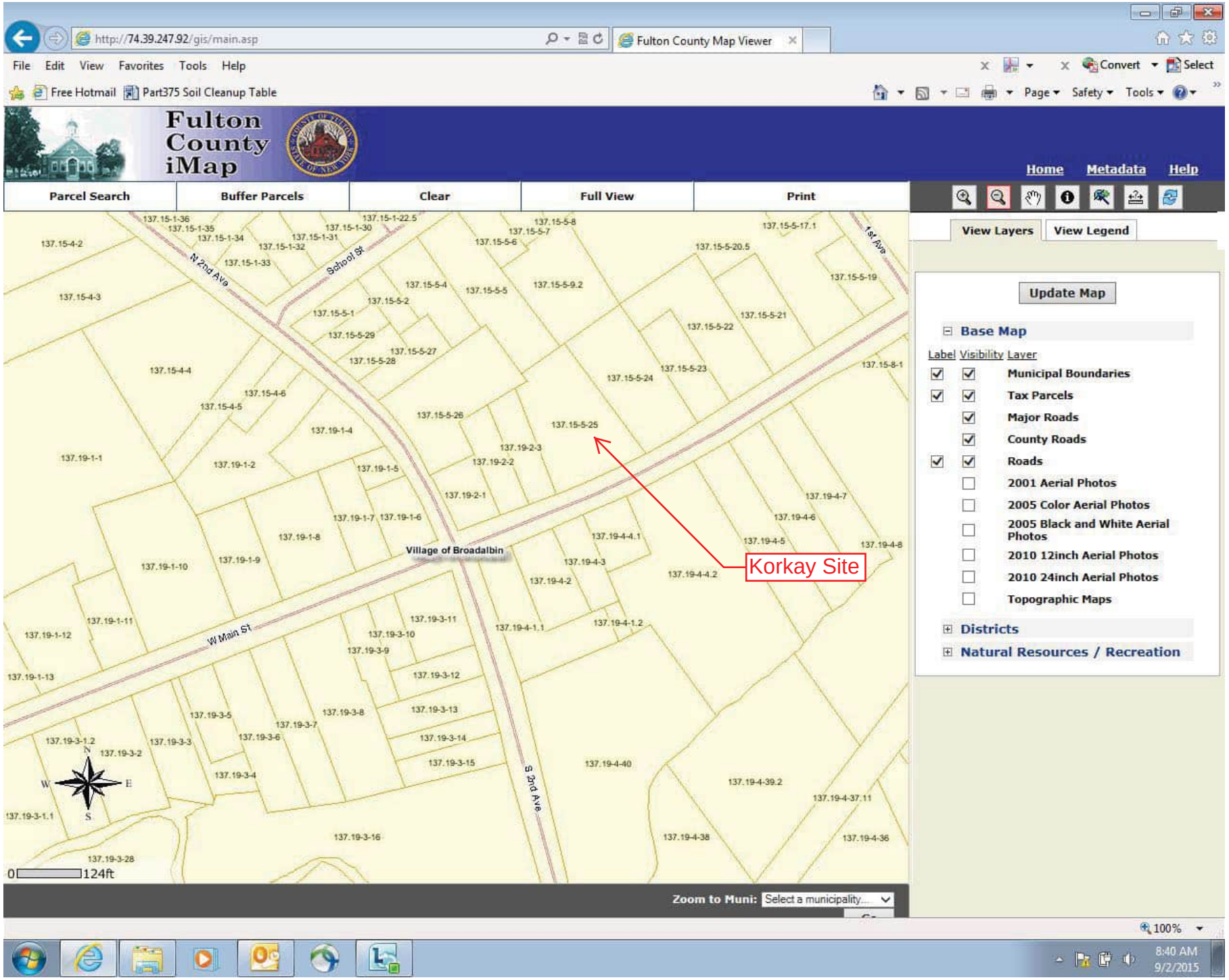
Korkay Site Location Environmental Notice

518014
70 West Main Street
Broadalbin, NY

Project Manager: Payson Long
Map Crerated By: Payson Long
Date Created: February 17, 2012

0 12.5 25 50 75 100 Feet




http://74.39.247.92/gis/main.asp
Fulton County Map Viewer
File Edit View Favorites Tools Help
Free Hotmail
Part375 Soil Cleanup Table
Fulton County iMap
Home
Metadata
Help
Parcel Search
Buffer Parcels
Clear
Full View
Print
View Layers
View Legend
Update Map
Base Map
Label Visibility Layer
Municipal Boundaries
Tax Parcels
Major Roads
County Roads
Roads
2001 Aerial Photos
2005 Color Aerial Photos
2005 Black and White Aerial Photos
2010 12inch Aerial Photos
2010 24inch Aerial Photos
Topographic Maps
Districts
Natural Resources / Recreation
Korkay Site
Village of Broadalbin
N 2nd Ave
School St
1st Ave
W Main St
S 2nd Ave
0 124ft
Zoom to Muni: Select a municipality...
100%
8:40 AM
9/2/2015

Appendix B

IC/EC Certification Forms

Enclosure 2

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

Site Details **Box 1**

Site No. **518014**

Site Name Korkay, Incorporated

Site Address: 70 West Main Street Zip Code: 12025
City/Town: Broadalbin
County: Fulton
Site Acreage: 0.900

Reporting Period: June 15, 2017 to June 15, 2022

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 518014 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
137.15-5-25	PERMA GLAZE CHEMICAL CORP	Ground Water Use Restriction Landuse Restriction Site Management Plan

The Environmental Notice includes restrictions on groundwater use and land use (allows only commercial or industrial use.)

Box 4

Description of Engineering Controls

Parcel	Engineering Control
137.15-5-25	Monitoring Wells

Engineering Contorls Currently include twenty groundwater monitoring wells. The integrity of the wells are inspected on an annual basis.

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 518014

Box 6

WOK 9/16/22 QUALIFIED ENVIRONMENTAL PROFESSIONAL
~~SITE OWNER OR DESIGNATED REPRESENTATIVE~~ SIGNATURE

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

I WALTER HOWARD (print name) at 40 BRITISH AMERICAN BLVD. LATHAM, NY 12110 (print business address),

am certifying as QUALIFIED ENVIRONMENTAL PROFESSIONAL ~~(Owner or Remedial Party)~~
NYS LICENSED PROFESSIONAL GEOLOGIST, LICENSE NO. 000710

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

Walter Howard, P.G. — 9/16/2022

Signature of Owner, ~~Remedial Party, or Designated Representative~~ Rendering Certification — Date

QUALIFIED ENVIRONMENTAL PROFESSIONAL

Appendix C

Previous Site Management Groundwater Analytical Results Maps

C.1

TVOC Isoconcentration Contour Maps from Previous Sampling Events (August 2007 to March 2017)

Project Management Initials: Designer:____ Checked:____ Approved:____ ANSI B 11" x 17"

AECOM

Figure 3c

TOTAL VOC ISOCONCENTRATION CONTOUR MAP MARCH 12, 2017

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JUNE 2017

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

0 60' 120'

Last saved by: MEISTERK(2017-06-29) Last Plotted: 2017-06-29
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-MARCH_12_2017.DWG

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

AECOM

Figure 3b

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
DECEMBER 6, 2016

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

MW-15D
MW-15S
MW-17
MW-22
MW-18
MW-24
K-2
VEW-1
VEW-4
ASW
VEW-2
VEW-3
K-3
MW-16D
MW-23
MW-21
MW-20
MW-8S
MW-8D
MW-19
N 2ND ST
S 2ND ST
WEST MAIN STREET

0 60' 120'

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JANUARY 2017

Last saved by: MEISTERK(2017-01-20) Last Plotted: 2017-01-20
Filename: C:_AECOM-WORKING\TEMP-CAD\TEMP-KORKAY\KORKAY-GW-DEC_6_2016.DWG

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

AECOM

Figure 3a

MW-15D
MW-15S
MW-17
MW-22
MW-18
MW-24
K-2
VEW-1
VEW-4
ASW
VEW-2
VEW-3
MW-23
K-3
MW-16D
MW-21
MW-20
MW-8S
MW-8D
MW-19

N 2ND ST
S 2ND ST
WEST MAIN STREET

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

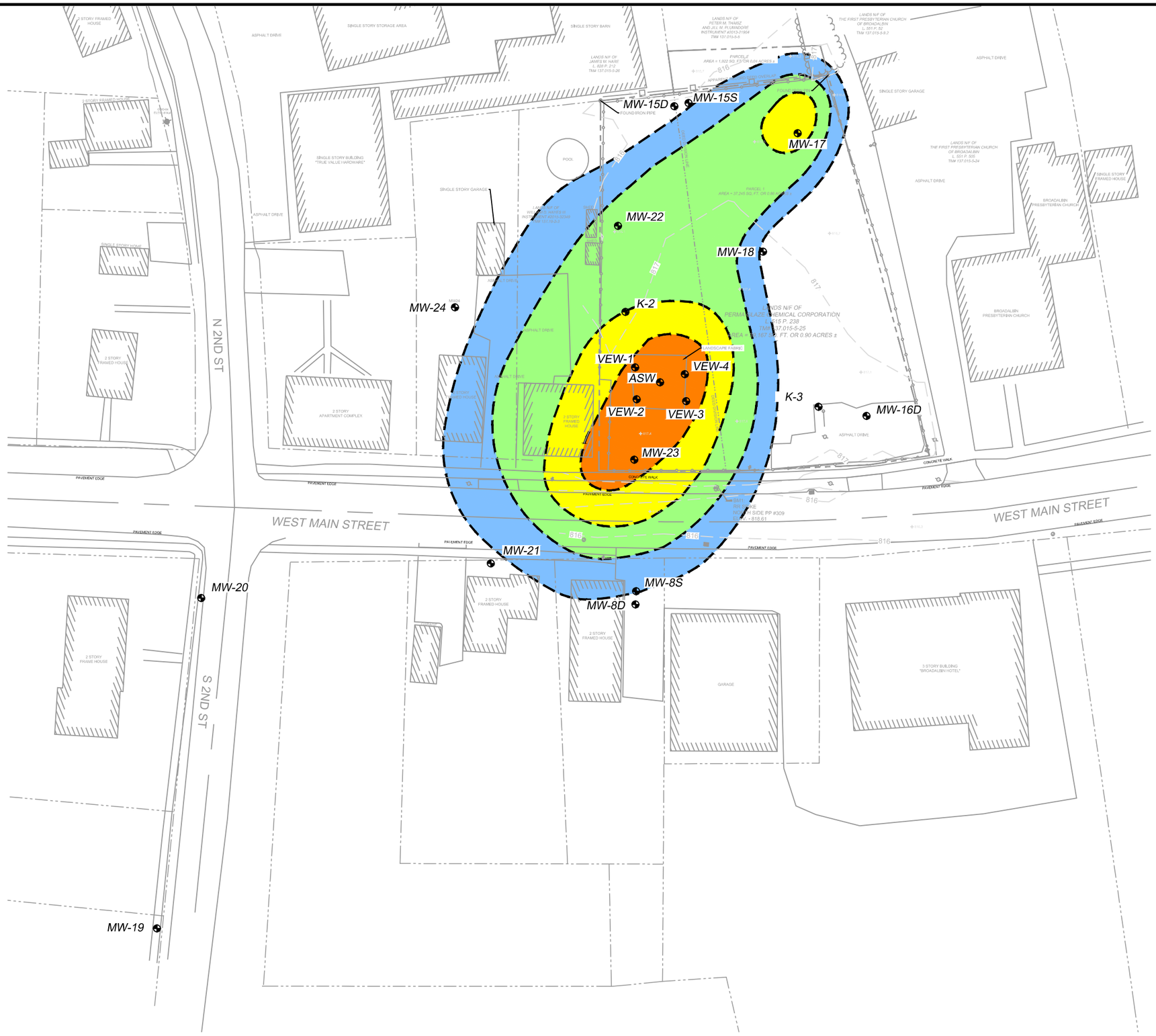
0 60' 120'

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
SEPTEMBER 14, 2016

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: SEPTEMBER 2016

Last saved by: MEISTERK(2016-10-19) Last Plotted: 2016-10-19
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-SEPT-2016.DWG

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"



LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

0 60' 120'

AECOM

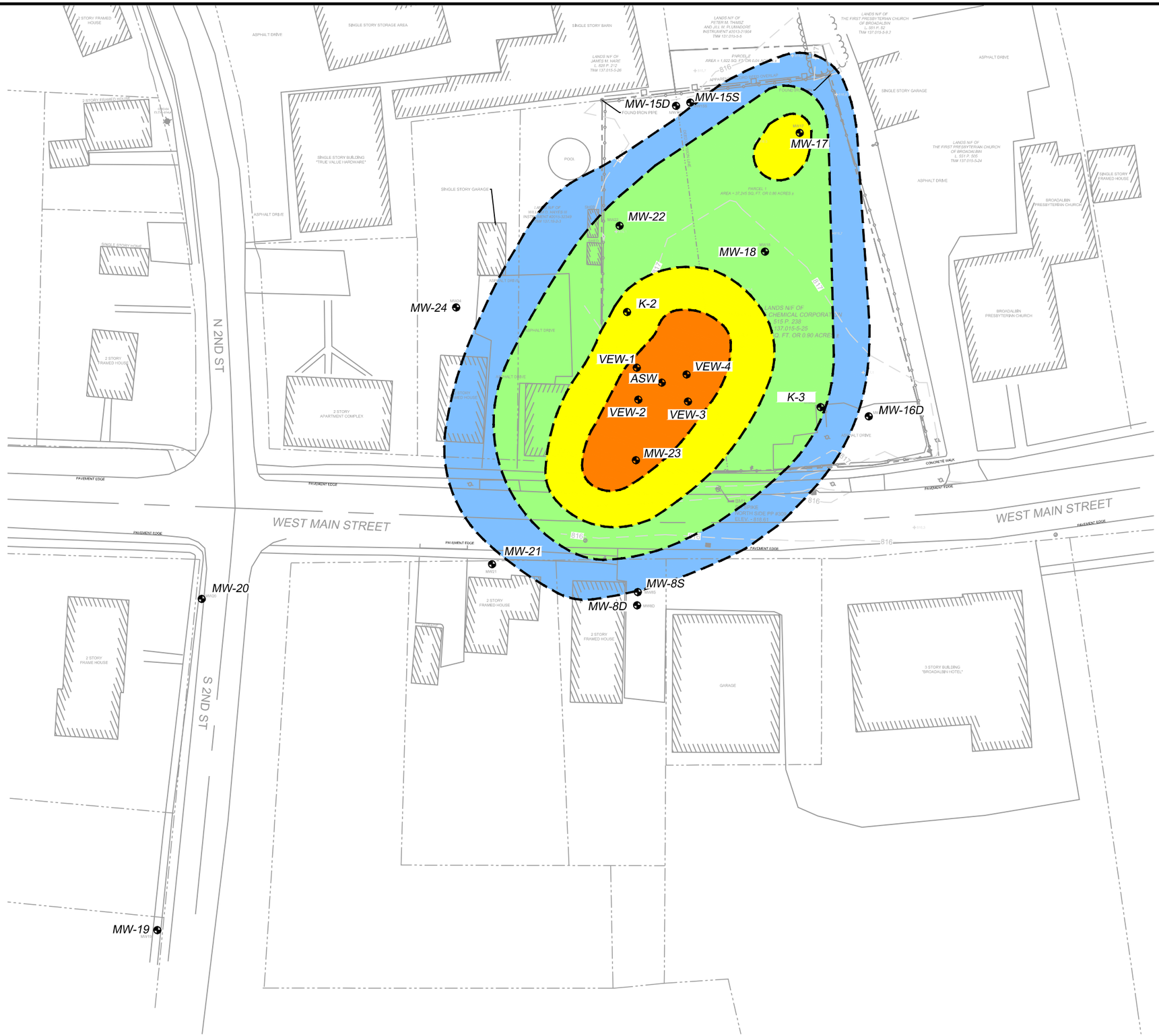
Figure: 5c

TOTAL VOC ISOCONCENTRATION CONTOUR MAP MAY 31, 2016

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JUNE 2016

Last saved by: MEISTERK(2016-06-20) Last Plotted: 2016-06-20
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-MAY-2016.DWG

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"



AECOM

Figure: 5b

TOTAL VOC ISOCONCENTRATION CONTOUR MAP MARCH 8, 2016

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: APRIL 2016

Last saved by: MEISTERK(2016-04-07) Last Plotted: 2016-04-07
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-MAR-2016.DWG

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

NOTE:
ISCONCENTRATION CONTOURS DASHED WHERE INFERRED FROM OCTOBER 2015 SITE WIDE SAMPLE RESULTS.

0 60' 120'

AECOM

Figure: 5a

TOTAL VOC ISOCONCENTRATION CONTOUR MAP DECEMBER 8, 2015

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JANUARY 2016

Last saved by: MEISTERK(2016-01-21) Last Plotted: 2016-01-21
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-DEC-2015.DWG

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

AECOM

Figure: 3

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
OCTOBER 14, 2015

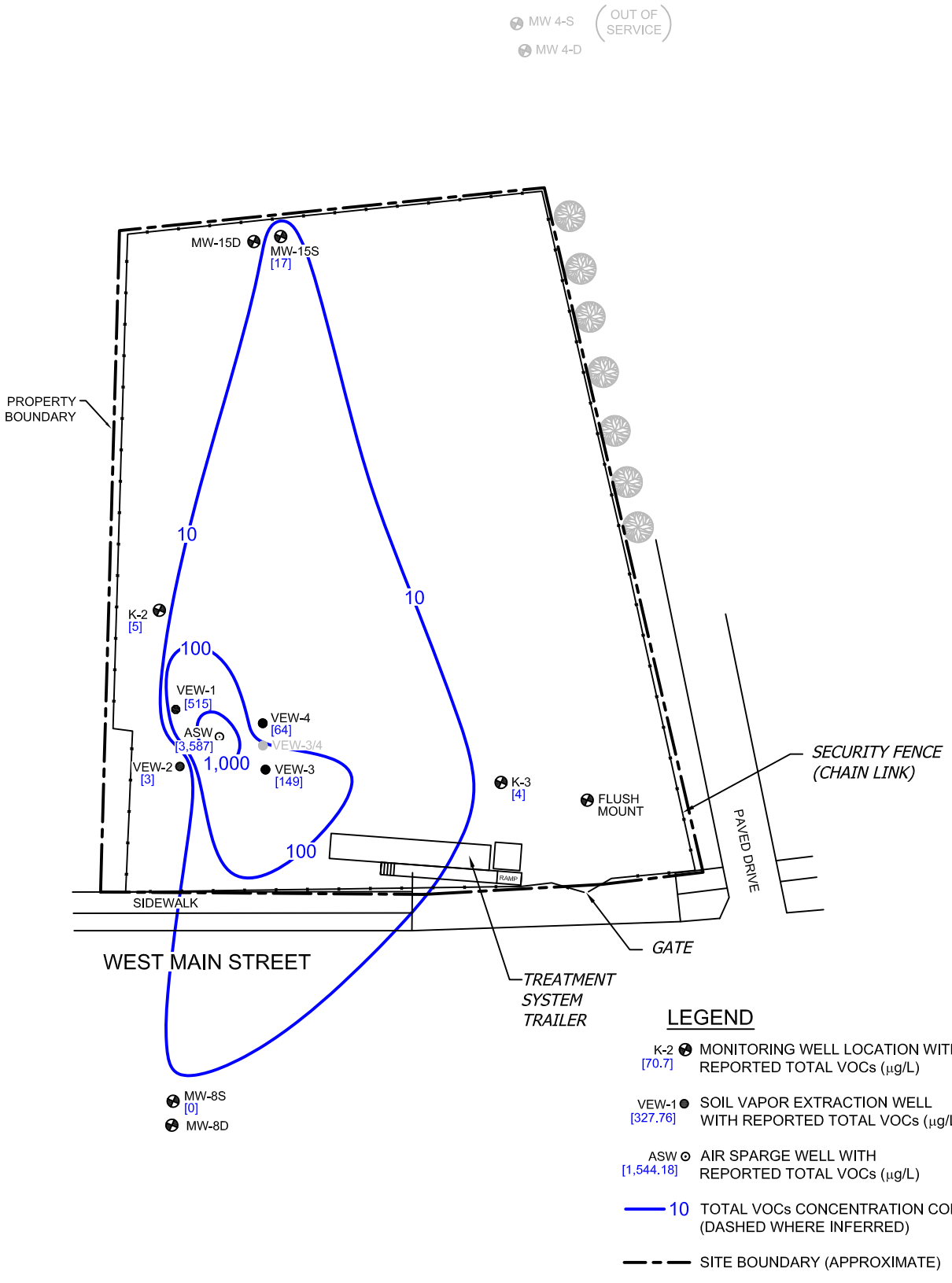
KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JANUARY 2016

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L

0 60' 120'

Last saved by: MEISTERK(2016-01-21) Last Plotted: 2016-01-21
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-OCT-2015.DWG



NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

AECOM

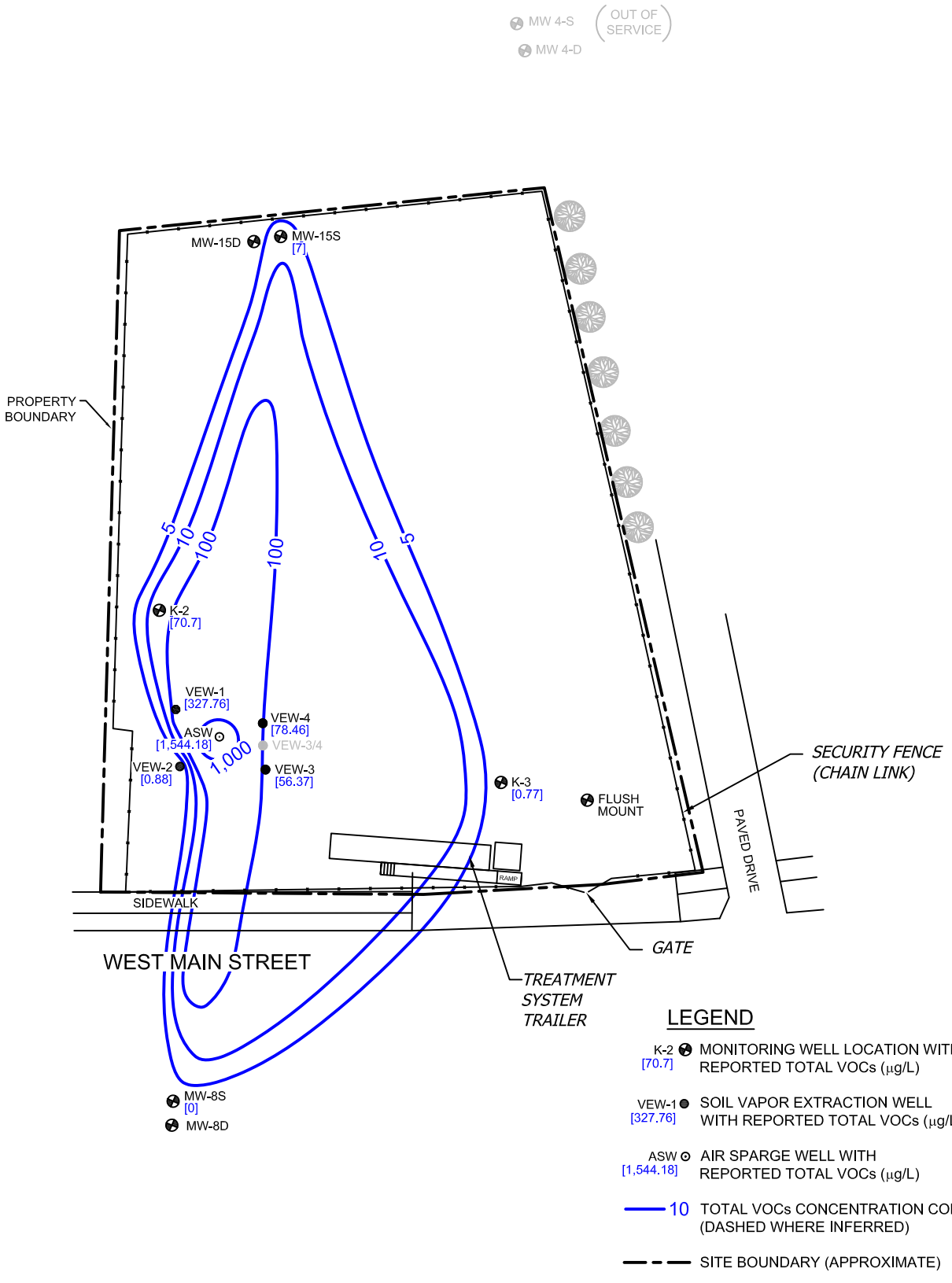
FIGURE 4D

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
JUNE 25, 2013
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013 | PROJECT NO.: 60273289



NOTE:
FOR MAP REFERENCE INFORMATION, SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet
0 25' 50'

AECOM

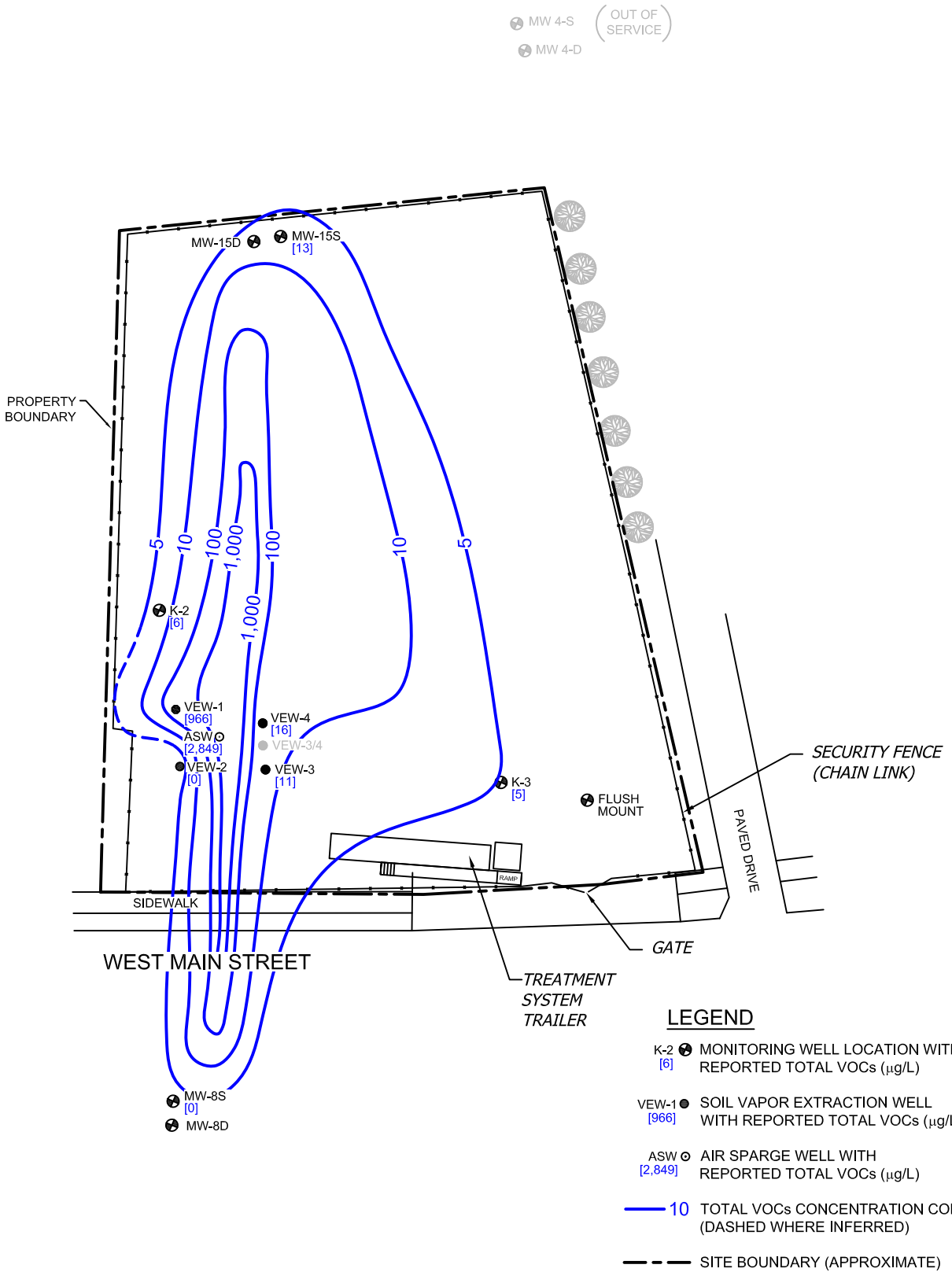
FIGURE 4C

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
JANUARY 10, 2012
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013 | PROJECT NO.: 60273289



NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

AECOM

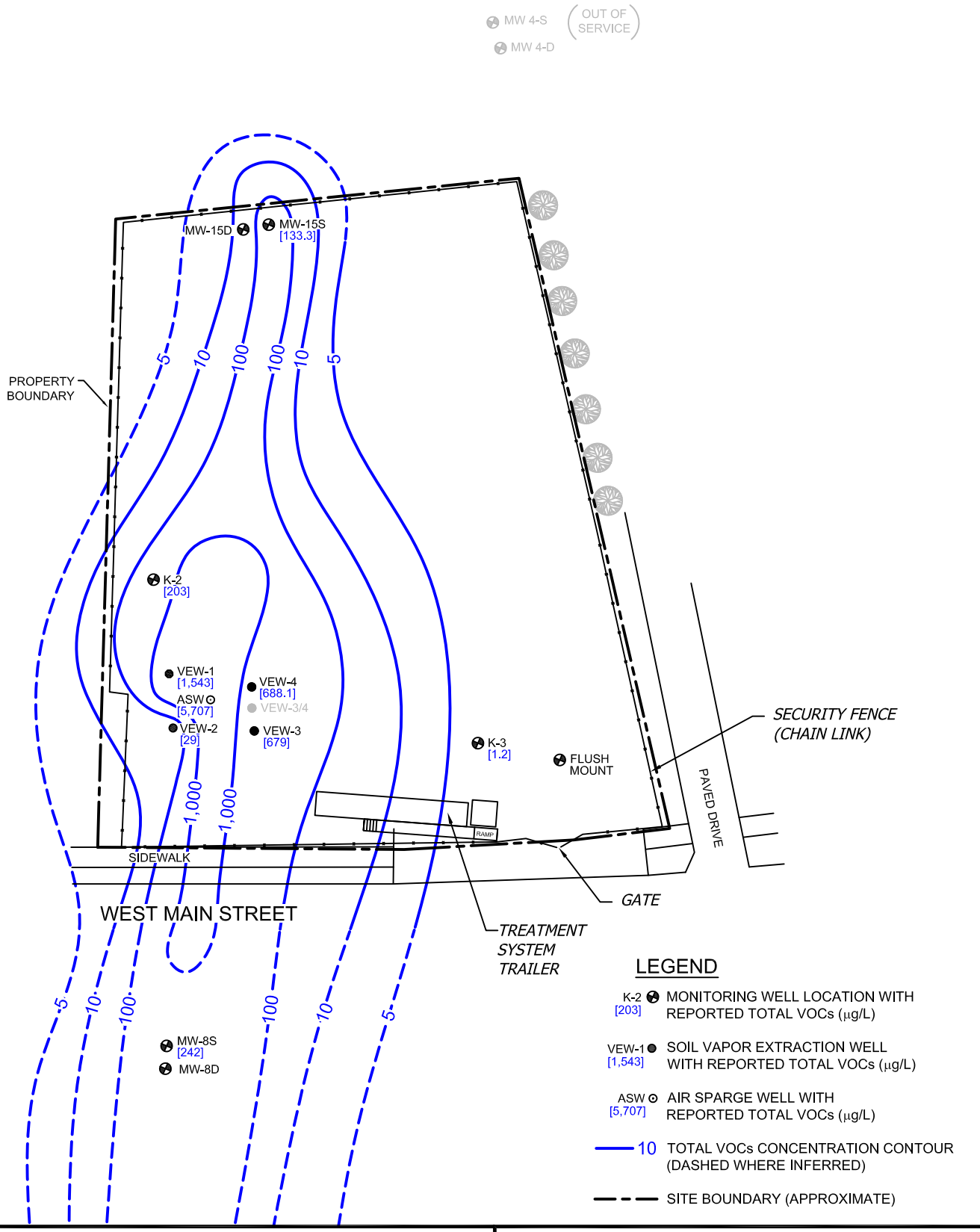
FIGURE 4B

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
MARCH 25, 2010
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013 | PROJECT NO.: 60273289



NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

AECOM

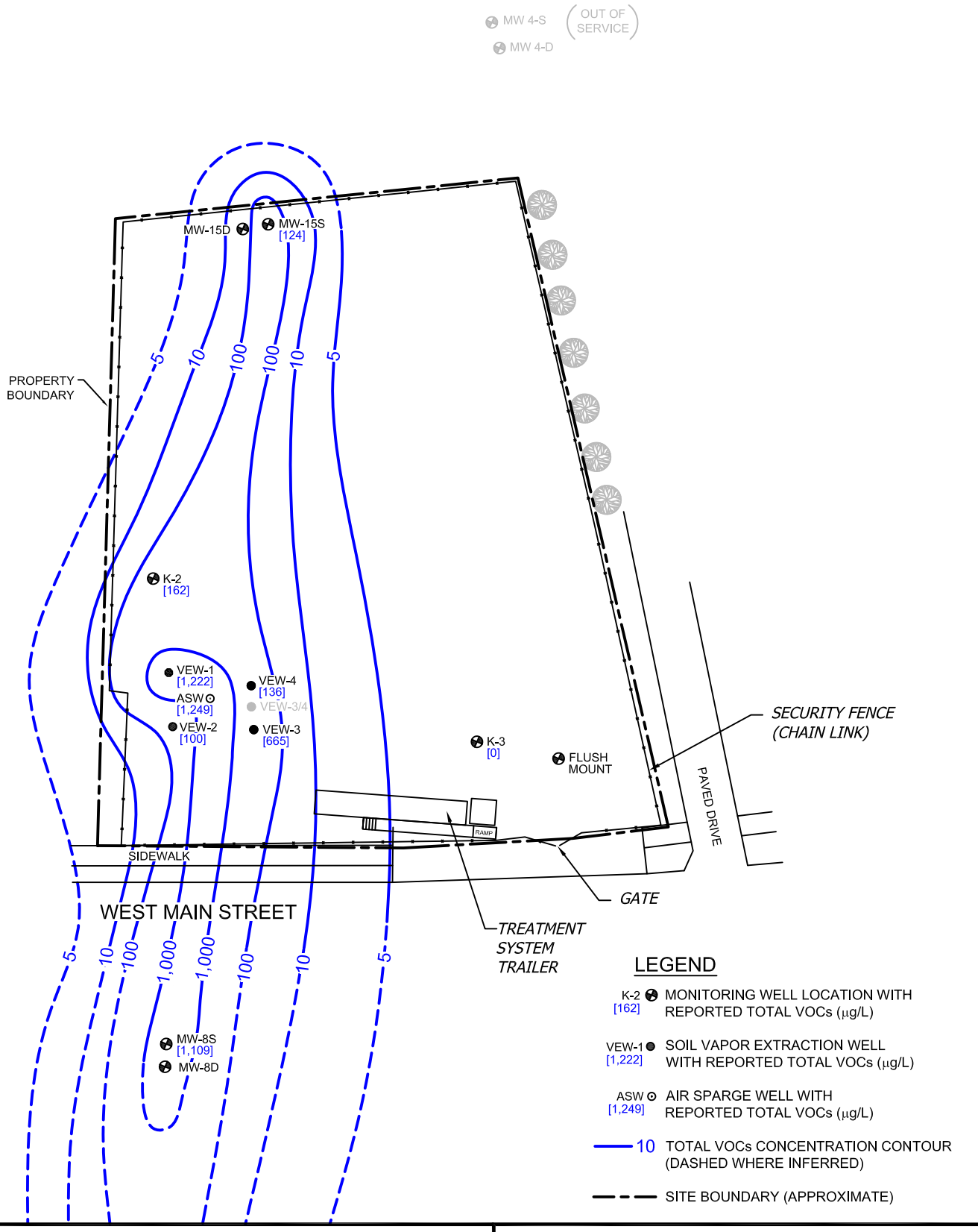
FIGURE 4A

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
NOVEMBER 25, 2008
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013 | PROJECT NO.: 60273289



NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

AECOM

FIGURE 4

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
AUGUST 14, 2007
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013 | PROJECT NO.: 60273289

C.2

PFOA/PFOS Contaminant Plume Limit Map – March 2017 Sampling Event

Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

MW-15D 1.6 j nd
MW-15S 11 140
MW-17 27 170
MW-22 13 200
MW-18 14 48
MW-24 MW24 11 14
K-2 150 1,500
VEW-1 110 1,400
ASW 21 310
VEW-4 75 1,300
VEW-2 81 1,100
VEW-3 130 960
MW-23 16 89
K-3 20 240
MW-16D 3.8 j nd
MW-21 16 350
MW-8S 5.2 17
MW-8D 1.3 j nd
MW-20 5.5 4.9
MW-19 11 28

N 2ND ST
S 2ND ST
WEST MAIN STREET

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
- TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
- TOTAL VOC CONCENTRATION >1,000 ug/L
- 75 PFOA ng/L
- 75 PFOS ng/L
- INFERRED GROUNDWATER PLUME LIMIT OF PFOA AND/OR PFOS > USEPA HAL (70 ng/L)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

0 60' 120'

AECOM

Figure: 6

PFOA / PFOS CONTAMINANT PLUME LIMIT MAP MARCH 12, 2017

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: JUNE 2017

Last saved by: MEISTERK(2017-06-29) Last Plotted: 2017-06-29
Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-MARCH_12_2017.DWG

Appendix D

Annual Monitoring Well Inspection Logs

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/1/21 1115
WELl ID.: MW-16D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	N/A	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	59.90
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	28.49
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In Small paved lot next to field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CDT
DATE/TIME: 6/1/21 1210
WELl ID.: MW-15D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	40.07
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	24.83
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easily accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Edge of field by chainlink fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: WF
DATE/TIME: 6/1/21 150
WELL ID.: MW-08D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	N/A	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	55.7
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	27.37
MEASURE WELL DIAMETER (Inches):	ø 2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In paved drive

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In paved drive

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Mechanics Shop next door

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CBP
DATE/TIME: 6/1/21 1500
WELL ID.: MW-08S

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	N/A	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.62
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.87
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In paved drive

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In paved drive

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Mechanic Shop next door.

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: MI
DATE/TIME: 06/02/21
WEll ID.: MW-24

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-24

ASW

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A
PROTECTIVE CASING MATERIAL TYPE:	N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	N/A	
LOCK FUNCTIONAL?	↓	
DID YOU REPLACE THE LOCK?	↓	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	↓	
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	11.20
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.75
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Sketch on back. Access from main Street.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
In backyard, next to driveway, facing away from church.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
N/A

REMARKS:
N/A.

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/2/21 1400
WELL ID.: MW-20

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		—

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	—
PROTECTIVE CASING MATERIAL TYPE:	—
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	~~✓~~	✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	13.14
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.64
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	No
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Good, on Sidewalk

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

adjacent to road on Side Walk, near intersection

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GJF
DATE/TIME: 6/2/21 15:
WEll ID.: MW-19

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	–	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	9.56
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.15
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
on Side walk between driveway & Road

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Just off road by driveway on Sidewalk

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
N/A

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: MT
DATE/TIME: 06/02/21 1
WELL ID.: MW-21

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-21

ASW

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	X

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bo

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	—
PROTECTIVE CASING MATERIAL TYPE:	—
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	NA
LOCK FUNCTIONAL?	NA
DID YOU REPLACE THE LOCK?	NA
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	NA
WELL MEASURING POINT VISIBLE?	NA
	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	11.14
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.45
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie.
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	20 ft above.

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Next to sidewalk on front yard. Across from 74 main.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Front yard.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

—

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/2/21 0944
WELL ID.: MW-17

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.90
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.49
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In field, easy access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

in field by parking lot

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

–

REMARKS:

–

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: MI
DATE/TIME: 060321 10
WEll ID.: VEW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: VEW-4

ASW

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) Needs 3 Bolts for flush mount	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	—
PROTECTIVE CASING MATERIAL TYPE:	—
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	NA	
LOCK FUNCTIONAL?	↓	
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?	Yes.	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.21
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.36
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good.
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
well in field, no obstructions

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Located in a field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
NA

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/2/21 1100
WELL ID.: MW-155

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	9.85
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.10
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy, in field next to perimeter fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

in field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

–

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: ML
DATE/TIME: 060321 1130
WELL ID.: VEW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: VEW-3		
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) Needs 3 bolts	X	

ASW

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A
PROTECTIVE CASING MATERIAL TYPE:	N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	N/A

LOCK PRESENT?	N/A	
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.54
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.69
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpy.
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

In Field, 76 Main Street.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Located in a field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/3/21 1220
WEll ID.: MW-22

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	-
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	-
PROTECTIVE CASING MATERIAL TYPE:	-
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	9.27
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.34
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	-
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	-

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

located in field by parkside fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

-

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: ~~[illegible]~~ MJ
DATE/TIME: 06/03/21 13
WELL ID.: VEW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) 1 Bolt missing.	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): NA
PROTECTIVE CASING MATERIAL TYPE: NA
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

LOCK PRESENT?	NA	
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?	Yes.	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ~~[illegible]~~ 8.52
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 6.06
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: Sharpie
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In a field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/3/21 1420
WELl ID.: K-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	✓
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	19.20
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.81
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

in field by perimeter fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

–

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: MZ
DATE/TIME: 06/03/21 14
Well ID.: VEW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: VEW-1 (ASW)

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) No bolts present.	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A
PROTECTIVE CASING MATERIAL TYPE:	N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	NA	
LOCK FUNCTIONAL?	↓	
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.98
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In Field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/3/21 1450
WELL ID.: MW-18

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	–
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	–
PROTECTIVE CASING MATERIAL TYPE:	–
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.98
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	–
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	–

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy, in Middle of field

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

in middle of flat field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

–

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CJF
DATE/TIME: 6/3/21 1602
WEll ID.: K-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	—
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	—
PROTECTIVE CASING MATERIAL TYPE:	—
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		✓
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.55
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.00
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy, no access issues

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

located in paved lot next to grass field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

N/A

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: MI
DATE/TIME: 06/03/21 16'
WEll ID.: MW-23

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-23

ASW

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

Bolt missing

HEADSPACE READING (ppm) AND INSTRUMENT USED	NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	NA
PROTECTIVE CASING MATERIAL TYPE:	N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	NA	
LOCK FUNCTIONAL?	↓	
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.26
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.50
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	pvc
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good.
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	10'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy access, power lines overhead

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In a field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

—

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: MZ
DATE/TIME: 06/03/21 14
WEll ID.: ASW

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: ASW

ASW

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) 1 Bolt missing	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): NA
PROTECTIVE CASING MATERIAL TYPE: NA
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

LOCK PRESENT?	NA	
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 11.74
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 6.39
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: Sharpie
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES:

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy access.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

In a field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/13 – 1500
WELL ID.: K-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		No
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.55
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.70
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Asphalt, well pad cracking

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CD
DATE/TIME: 5/13 - 1500
WELL ID.: MW-17

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED		N/a
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)		N/a
PROTECTIVE CASING MATERIAL TYPE:		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		No
WELL MEASURING POINT VISIBLE?		No
	Yes	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):		14.40
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):		2.70
MEASURE WELL DIAMETER (Inches):		2
WELL CASING MATERIAL:		PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:		Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass in field. Missing one bolt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/13 - 1500
WELL ID.: MW-18

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not. provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not. sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade. stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged. describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/a
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes.describe below)	No
WELL MEASURING POINT VISIBLE?	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	3.89
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig. natural obstructions. overhead power lines. proximity to permanent structures. etc.): ADD SKETCH OF LOCATION ON BACK. IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example. located in a field. in a playground. on pavement. in a garden. etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass Field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION. IF PRESENT (e.g. Gas station. salt pile. etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/13 - 1500
WEll ID.: MW-155

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not. provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not. sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade. stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged. describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes.describe below)		No
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	9.85
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	2.41
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig. natural obstructions. overhead power lines. proximity to permanent structures. etc.): ADD SKETCH OF LOCATION ON BACK. IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example. located in a field. in a playground. on pavement. in a garden. etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass field, missing all bolts

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station. salt pile. etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/14-1200
WELL ID.: VEW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		Yes
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		No
WELL MEASURING POINT VISIBLE?		No
	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.38
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID: 518014
INSPECTOR: ED
DATE TIME: 5/14-1200
WELL ID: VEW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES: NYTMX_____ NYTMY_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (If not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)	No
WELL MEASURING POINT VISIBLE?	No
	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.52
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.59
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

- Grass field, missing one b-H

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

-

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: CD
DATE TIME: 5/14-1200
WELL ID.: VEW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)	No
WELL MEASURING POINT VISIBLE?	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.54
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.20
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass field, missing all bolts

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/14-1200
WELL ID.: VEW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	✓	
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		No
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	8.21
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.81
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass field, missing all bolts

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID: [illegible]
INSPECTOR: ED
DATE/TIME: 5/14/20[illegible]
WELL ID: ASW

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (If not, sketch actual location on back)	✓	

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): N/A
PROTECTIVE CASING MATERIAL TYPE: N/A
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): N/A

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)	No
WELL MEASURING POINT VISIBLE?	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 11.74
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 4.71
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACHED MARKER (If well ID is confirmed) and IDENTIFY MARKER TYPE: No.
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: None

DESCRIBE ACCESS TO WELL (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.). ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Grass field, missing one bolt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.)
None

REMARKS:
—

Sketch

SITE NAME: Korkay

SITE ID: 518014
INSPECTOR: ED
DATE TIME: 5/14-1200
WELL ID: MW-23

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (If not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/a.
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a.
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)	No
WELL MEASURING POINT VISIBLE?	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	14.26
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.12
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a.
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED

Grass field, missing one bolt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID: 518014
INSPECTOR: ED
DATE TIME: 5/15-130
WELL ID: MW-2R

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder _____ Satelites_____
GPS Method (circle) Trimble And Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/A
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)	No
WELL MEASURING POINT VISIBLE?	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	9.27
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	2.12
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACHED MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES:	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass field, missing all bolts

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: ED
DATE/TIME: 5/16-1200
WELL ID.: MW-8D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		No
WELL MEASURING POINT VISIBLE?		No
	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	55.20
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	25.87
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Asphalt Driveway

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID: 518014
INSPECTOR: ED
DATE TIME: 5/16 -120
WELL ID.: MW-85

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And Or Magellan		

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (If not, sketch actual location on back)	✓	

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	N/a
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	N
LOCK FUNCTIONAL?	N
DID YOU REPLACE THE LOCK?	N
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)	No
WELL MEASURING POINT VISIBLE?	N
	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.62
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.56
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACHED MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.). ADD SKETCH OF LOCATION ON BACK, IF NECESSARY

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

- Asphalt driveway

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

-

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: ED
DATE TIME: 5/16 - 1100
WELL ID.: MW-21

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED		N/a
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)		N/a
PROTECTIVE CASING MATERIAL TYPE:		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		No
WELL MEASURING POINT VISIBLE?		No
	Yes	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):		11.14
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):		5.07
MEASURE WELL DIAMETER (Inches):		2
WELL CASING MATERIAL:		PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:		Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Grass area, missing one bolt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/16-1200
WELL ID.: MW-20

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?		No
LOCK FUNCTIONAL?		No
DID YOU REPLACE THE LOCK?		No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		No
WELL MEASURING POINT VISIBLE?	Yes	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	13.14
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.73
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Side of road on asphalt, missing 2 bolts

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

—

Sketch

SITE NAME: Korkay

SITE ID.: 518014
INSPECTOR: GD
DATE/TIME: 5/16 - 1200
WELL ID.: MW-19

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? Concrete is cracked and heaved at grade, stick up broken off.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	N/a
PROTECTIVE CASING MATERIAL TYPE:	N/a
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

LOCK PRESENT?	No
LOCK FUNCTIONAL?	No
DID YOU REPLACE THE LOCK?	No
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	No
WELL MEASURING POINT VISIBLE?	Yes

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	9.56
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	3.50
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	N/a
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	None

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

+ Asphalt on side of road. Missing one bolt.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

None

REMARKS:

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Sketch

Appendix E

PRR Photolog

1. MW-16D – 6/20/2022

2. K-3 – 6/20/2022

3. MW-18 – 6/20/2022

4. MW-17 – 6/20/2022

5. MW-15S – 6/20/2022

6. MW-15D – 6/20/2022

7. MW-22 – 6/20/2022

8. K-2 – 6/20/2022

9. VEW-1 – 6/20/2022

10. VEW-2 – 6/20/2022

11. ASW – 6/20/2022

12. VEW-4 – 6/20/2022

13. VEW-3 – 6/20/2022

14. MW-23 – 6/20/2022

15. MW-8S – 6/20/22

16. MW-8D – 6/20/2022

17. MW-21 – 6/20/2022

18. MW-20 – 6/20/2022

19. MW-19 – 6/20/2022

20. Site Photo 1 – 11/30/2021

21. Site Photo 2 – 11/30/2021

1. MW-16D – 5/13/2019

2. K-3 – 5/13/2019

3. MW-18 – 5/13/2019

4. MW-17 – 5/13/2019

5. MW-15S – 5/13/2019

6. MW-15D – 5/13/2019

7. MW-22 – 5/13/2019

8. K-2 – 5/13/2019

9. VEW-1 – 5/13/2019

10. VEW-2 – 5/13/2019

11. ASW – 5/13/2019

12. VEW-4 – 5/13/2019

13. VEW-3 – 5/13/2019

14. MW-23 – 5/13/2019

15. MW-8S – 5/13/2019

16. MW-8D – 5/13/2019

17. MW-21 – 5/13/2019

18. MW-20 – 5/13/2019

19. MW-24 – 5/13/2019