



Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
August 2017

Groundwater Monitoring Report

5-Quarter Sampling Event, March, 2017

Korkay, Inc.
Site No. 5-18-014
Work Assignment No. D004445-20.1





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Acronyms and Abbreviations

AWQS	New York State Ambient Water Quality Standards and Guidance Values
COCs	Site Contaminants of Concern
HAL	Health Advisory Limit
ISCO	<i>In Situ</i> Chemical Oxidation
Korkay	Korkay, Incorporated
ng/L	Nanograms per Liter
NYSDEC	New York State Department of Conservation
PFAS	Perfluorinated Alkyl Substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctanesulfonic Acid
ROD	Record of Decision
RSO	Remedial System Optimization
SMP	Site Management Plan
SVE	Soil Vapor Extraction
SVOCs	Semi-Volatile Organic Compounds
TVOCs	Total Volatile Organic Compounds
µg/L	Micrograms per Liter
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 Introduction

1.1 General

This report documents the groundwater sampling event conducted in March 2017 at the Korkay Inc. Site (Site No. 5-18-014), located at 70 West Main Street in the Village of Broadalbin, Fulton County, New York (Figure 1). The sampling was conducted for Work Assignment No. D004445-20.1 of the State Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and AECOM Technical Services Northeast, Inc. (AECOM).

The report presents and interprets analytical results for the groundwater sampling conducted from March 15 – 17, 2017.

1.2 Background and Objectives

Korkay, Incorporated (Korkay) was a supplier of detergents, solvents, and degreasers to the automotive industry from 1969 to 1980. Releases of chemicals at the Site contaminated soil and groundwater. Site Contaminants of Concern (COCs) in soil and groundwater as identified in the Site Record of Decision (ROD) include various volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and pesticides. Remedial actions undertaken in accordance with the ROD by NYSDEC and the New York State Department of Health (NYSDOH) included the excavation and removal of contaminated surface soil, air sparging, combined with soil vapor extraction (SVE), imposition of deed restrictions and Site environmental monitoring. These actions were found to have been somewhat effective in reducing Site contamination, although subsurface soil and groundwater impacts still exist.

Groundwater investigations were conducted at the Site in July 2014 and August 2015 using direct-push drilling technology with the collection and analysis of grab groundwater samples. The purpose of the investigations was to further delineate and characterize on-Site and off-Site dissolved-phase groundwater impacts. In September 2015, 8 new 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 points were installed with a direct push Geoprobe® unit. 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.

In early October, 2015, a round of groundwater monitoring was conducted as an annual ('5-quarter') sampling event. The 5-quarter events are required in the Site Management Plan (SMP) to provide

data from all Site monitoring wells (Figure 2) to evaluate trends in groundwater quality at the Site through the Site management phase. The October 2015 5-quarter event was conducted 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. A copy of the isoconcentration contour map of total volatile organic compounds (TVOCs) concentrations detected in the shallow aquifer wells during the October 2015 sampling event is included as Figure 3.

Also under the SMP, in addition to the 5-quarter monitoring program, post-ISCO groundwater sampling is being conducted on a quarterly basis for two years, from Winter 2015 until Fall 2017, to evaluate the effects of the ISCO remedial action performed in October 2015. During these events, six monitoring wells (ASW, MW-17, MW-18, MW-21, MW-22, and MW-23) are sampled to monitor the effectiveness of the ISCO treatment.

This report details the 5-quarter sampling event conducted from March 15-17, 2017. The March 2017 event coincided with and therefore also serves as the Spring 2017 post-ISCO quarterly sampling event. The NYSDEC requested that samples collected during this March 2017 event also be analyzed for Perfluorinated Alkyl Substances (PFAS), including Perfluorooctanoic Acid (PFOA) and Perfluorooctanesulfonic Acid (PFOS), and 1,4-Dioxane, in addition to the standard list of parameters (i.e., VOCs, SVOCs, organochlorine pesticides).

2.0 Groundwater Sampling

Groundwater samples were collected from all twenty Site monitoring wells by AECOM from March 15-17, 2017. The locations of the sampled wells are presented on Figure 2.

2.1 Groundwater Sampling Methodology

During this event, 12 older pre-existing monitoring wells were sampled including: ASW, VEW-1, VEW-2, VEW-3, VEW- 4, K-2, K-3, MW-8D, MW-8S, MW-15D, MW-15S, and MW-16D (formerly named 'Flushmount'). Groundwater samples were also collected from the eight monitoring wells (MW-17 through MW-24) that were installed in September 2015.

A monitoring well network inspection was last completed on September 13, 2016, during the Fall 2016 post-ISCO quarterly groundwater sampling event. The monitoring well inspection logs for that event are presented in Appendix A. All of the monitoring wells were found to be in good working condition during this 5-quarter sampling event.

Prior to initiating sampling, a synoptic round of depth-to-water measurements was conducted using an electronic water level indicator, which was washed in a non-phosphate detergent solution, (LiquiNox® and potable water), and rinsed with distilled water before each use. Purging was conducted using the volume sampling technique specified in the SMP. Shallow wells were purged and sampled with a peristaltic pump and the deep wells were purged and sampled with a submersible pump. New disposable high-density polyethylene tubing was used in all wells. The end of the dedicated tubing was placed at the center of each well screen. Purging was conducted using low-flow techniques so that disturbances in the well and changes in water level did not occur. Water was pumped continuously and flow-rate was recorded between each 3 to 5 minute interval. Field parameter readings for turbidity, dissolved oxygen (DO), oxidation-reduction potential (ORP), specific conductivity, pH and temperature were measured during purging with a YSI 556 Multiparameter meter with a flow through cell. Groundwater was purged from each well until at least 3 well volumes were removed and field parameters stabilized. Stabilization was considered complete when three consecutive readings recorded levels within the following parameters:

- Turbidity - 10% for values greater than one Nephelometric Turbidity Units (NTU)
- DO - 10%
- Specific conductance - 3%
- Temperature - 3%
- pH - ± 0.1 unit
- ORP/Eh ± 10 millivolts

Following the collection of field parameter readings, a CHEMets® Model K-7870 field test kit was used to assess the presence and relative concentration in parts per million (ppm) of persulfate present in the purge water from each monitoring well. The test results were recorded along with the standard field parameter readings on the groundwater sampling forms (Appendix B). All groundwater samples were placed in preserved bottles provided by the laboratory. Samples were

packed with ice, and submitted with a completed Chain-of-Custody form to NYSDEC's Callout laboratory, Test America Laboratories, Amherst, New York. Each sample was analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method 8260C, 1,4-Dioxane by 8260C_SIM, SVOCs by USEPA Method 8270D, organochlorine pesticides by method 8081B, and PFAS by direct injection. The laboratory report for the March 2017 sampling event is included as Appendix C.

3.0 Results

3.1 Groundwater Flow

Water level measurements were obtained prior to sampling the wells. These depth-to-water measurements were converted to water table elevations using top-of-casing elevations that were surveyed in November 2015.

The groundwater table elevation data, provided in Table 1, was used to produce a water table contour map of the shallow aquifer, as presented on Figure 4. Groundwater flow in the shallow water-bearing zone is from northeast to southwest, as historically observed.

3.2 Analytical Results

The analytical results for the March 2017 groundwater sampling event are presented in Tables 2 and 3. Table 2 includes the results of all VOC, SVOC and organochlorine pesticide analyses conducted since 2007. In addition to the 5-quarter sample event results for all wells, it includes the post-ISCO results for the six wells that are sampled quarterly. Table 3 includes the PFAS and 1,4-Dioxane analytical results for the March 2017 event; groundwater was not analyzed for these compounds prior to the March 2017 event.

In Table 2, concentrations above relevant New York State Ambient Water Quality Standards or guidance values (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 2 also includes the field parameter readings for dissolved oxygen (DO) and oxidation-reduction potential (ORP), and the persulfate test kit results. In Table 3, PFOS and PFAS concentrations above the USEPA Health Advisory Limit (HAL) of 70 ng/L, or parts per trillion are in a shaded cell with bold typeface.

Volatile Organic Compounds

Table 2 includes TVOC concentrations for each sample result. In the 20 monitoring wells sampled in March 2017, the TVOC concentrations ranged from non-detect to 3,633 µg/L. VOCs were not detected above method detection limits in the samples collected from deep monitoring wells MW-8D, MW-15D, and MW-16, except for acetone in well MW-8D (3J µg/L). In the shallow monitoring wells, no VOCs were detected in six wells (K-2, K-3, MW-8S, MW-19, MW-21 and MW-24). One or more VOCs were detected below relevant AWQS in the samples from MW-15S, VEW-2, VEW-3, VEW-4, MW-20, and MW-22. Six wells, ASW, VEW-1, MW-17, MW-18, and MW-23 had compounds detected above AWQS. VOCs were not detected above AWQS in any off-site wells.

Figure 5 is an isoconcentration contour map of TVOC concentrations reported for the shallow wells from the March 2017 sampling event. The map shows that the contaminant plume in the shallow aquifer extends from northeast to southwest across the Site with the highest concentrations (TVOCs above 1,000 ng/L) in the area between wells ASW and MW-23. TVOC isoconcentration contour maps from previous sampling events conducted between August 2007 and December, 2016 (including the quarterly post-ISCO sampling events) are included in Appendix D for comparison purposes. Review of the figures 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, although the concentration in the former source area in the southwest quadrant of the Site has remained relatively static.

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 TVOC concentrations in well ASW have remained fairly consistent with levels that were observed prior to the ISCO injection and there has been no upward or downward trend in concentrations since the injection work. The graphs for the four VEW wells indicate that TVOC concentrations have decreased appreciably in these four wells since the ISCO injection, although this is based only on one (March 2017) post-ISCO event.

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).

Chart 3 depicts TVOC trends in five wells that are sampled as part of the quarterly post-ISCO monitoring. These include four on-Site wells (MW-17, MW-18, MW-22 and MW-23) and off-Site well MW-21. Well ASW is also sampled as part of the quarterly post-ISCO events but the TVOC trend graph for this well is shown with all historical data in Chart 1.

The March 2017 VOC analytical results and data trends to date are discussed below.

- The TVOC concentration in upgradient well MW-17 (215.18 µg/L) was a decrease from the previous result (420.7 µg/L), and remains below the October 2015 baseline concentration (591.5 µg/L). Eight compounds were detected at concentrations above relevant AWQSSs. Chart 2 (Graph A) shows that total trimethylbenzene represents the greatest fraction of VOCs in this well and shows that its concentration decreased significantly after the ISCO injection and then rebounded in May 2016 and since has remained elevated. Persulfate was measured at approximately 0.7 ppm, and there was essentially no DO measured in the well (0.48 mg/L). The data indicates that contaminant rebound has occurred and that oxygen and persulfate levels are depleted suggesting that further aerobic biodegradation may be unlikely to occur in the vicinity of this well.
- One compound (tetrachloroethene at 5.4 µg/L) was detected in well MW-18 slightly above the relevant AWQSSs. This was the lowest concentration reported in this well since sampling began. Chart 2 (Graph B) and Chart 3 show that contaminant levels remain significantly below the October 2015 pre-ISCO baseline concentrations. The data indicates that the ISCO treatment has effectively reduced contaminant levels in this well. Persulfate (5.6 ppm) remained similar with the previous March 2017 sampling event while

DO (18.02 mg/L) remained slightly elevated compared to the other wells that were sampled, but decreased somewhat from the March 2017 event.

- One compound (tetrachloroethene at 0.66 mg/L) was reported as detected in cross gradient well MW-22. This result represents a slight increase from the previous December 2016 result when TVOCs were non-detect, but remains below the relevant AWQS. Persulfate was measured at 0.7 ppm which was a significant decrease from the March 2017 event and DO (8.61 mg/L) increased from the previous event.
- The TVOC concentration in the former source area well ASW (3,633 mg/L) increased slightly from the December 2016 result (3,213.5 mg/L). Chart 1 (Graph D) shows that total trimethylbenzene represents the greatest fraction of VOCs in this well and is slightly higher than total xylenes. The concentrations of both compound groups remain slightly higher than the October 2015 pre-ISCO injection sampling event. The field parameter test results indicate that persulfate (3 ppm) and DO (0.21 mg/L) are depleted in this well. These readings indicate that oxygen levels in the vicinity of this well are likely insufficient to support further reduction in contaminant mass.
- The TVOC concentration in well MW-23 (1,134.69 mg/L), located at the downgradient Site boundary, increased significantly from the December 2016 event (201.68 mg/L), and rose back above the October 2015 baseline result (521.9 mg/L). Chart 1 (Graph E) shows that total trimethylbenzene and total xylenes represent the greatest fraction of VOCs in this well and that concentrations of these compound groups decreased most significantly during this sampling event, relative to the previous sampling event. The field parameter test results indicate that persulfate (1.4 ppm) is near depleted in this well, and the DO level (3.24 mg/L) decreased slightly from the previous event.
- No VOCs were detected in off-site downgradient well MW-21. This was similar with the previous December 2016 TVOC result (0.22 mg/L) and continues the significant decrease from the October 2015 baseline result (453 mg/L). The persulfate level (1.4 ppm) and DO (6.17 mg/L) were similar to the March 2017 event.

Semi-Volatile Organic Compounds and Organochlorine Pesticides

As shown in Table 2, the March 2017 SVOC analytical results were generally similar to the previous 5-quarter event (October 2015) and quarterly (December 2016) sample results. In the 20 wells sampled, SVOCs were non-detect or detected at concentrations less than AWQSS in all wells except ASW, MW-17 and MW-23. These are all shallow on-Site wells. Naphthalene was reported above the guidance value in ASW (89 mg/L), MW-17 (12 mg/L) and MW-23 (57 mg/L). No other SVOCs were reported above AWQSS in these wells. There are no significant differences between the March 2017 and previous SVOC results.

For the March 2017 organochlorine pesticide sample results, six wells were found to have exceedances of one or more organochlorine pesticide compounds. MW-17 had an exceedance for Aldrin. ASW, K-3, MW-22 and MW-23 had exceedances of alpha-BHC. K-2 and MW-22 had exceedances of delta-BHC during this sampling event. Three other wells, MW-15S, MW-15D, and MW-18, 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

All twenty wells were sampled for PFAS for the first time during this monitoring event. The PFOS and PFOA sample result concentrations were compared, individually and combined, against the 70 ng/L USEPA HAL. The PFAS sample results are summarized in Table 3. Thirteen of the twenty samples had an exceedance of PFOA and/or PFOS, with concentrations as high as 1,500 ng/L (PFOS in well K-2). The highest PFOA/PFOS concentrations were detected in wells located in the former source area, including K-2, and VEW-1 through VEW-4.

All wells were also sampled for 1,4-Dioxane for the first time as part of the March 2017 event. A summary of the results are included on Table 3. At a laboratory reporting limit of 0.40 mg/L, 1,4-Dioxane was not detected in any of the twenty samples. Based on these results, 1,4-Dioxane is not considered to be of concern at the Korkay Site.

4.0 Summary and Conclusions

Review of the March 2017 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 5-quarter and quarterly post-ISCO monitoring 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 March 2017 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 October 2015, 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.

PFOA and/or PFOS were detected in 13 of 20 wells above the 70 ng/L USEPA HAL. Wells with the highest reported concentrations (over 1,000 ng/L) are located in the former source area. 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.

5.0 Recommendations

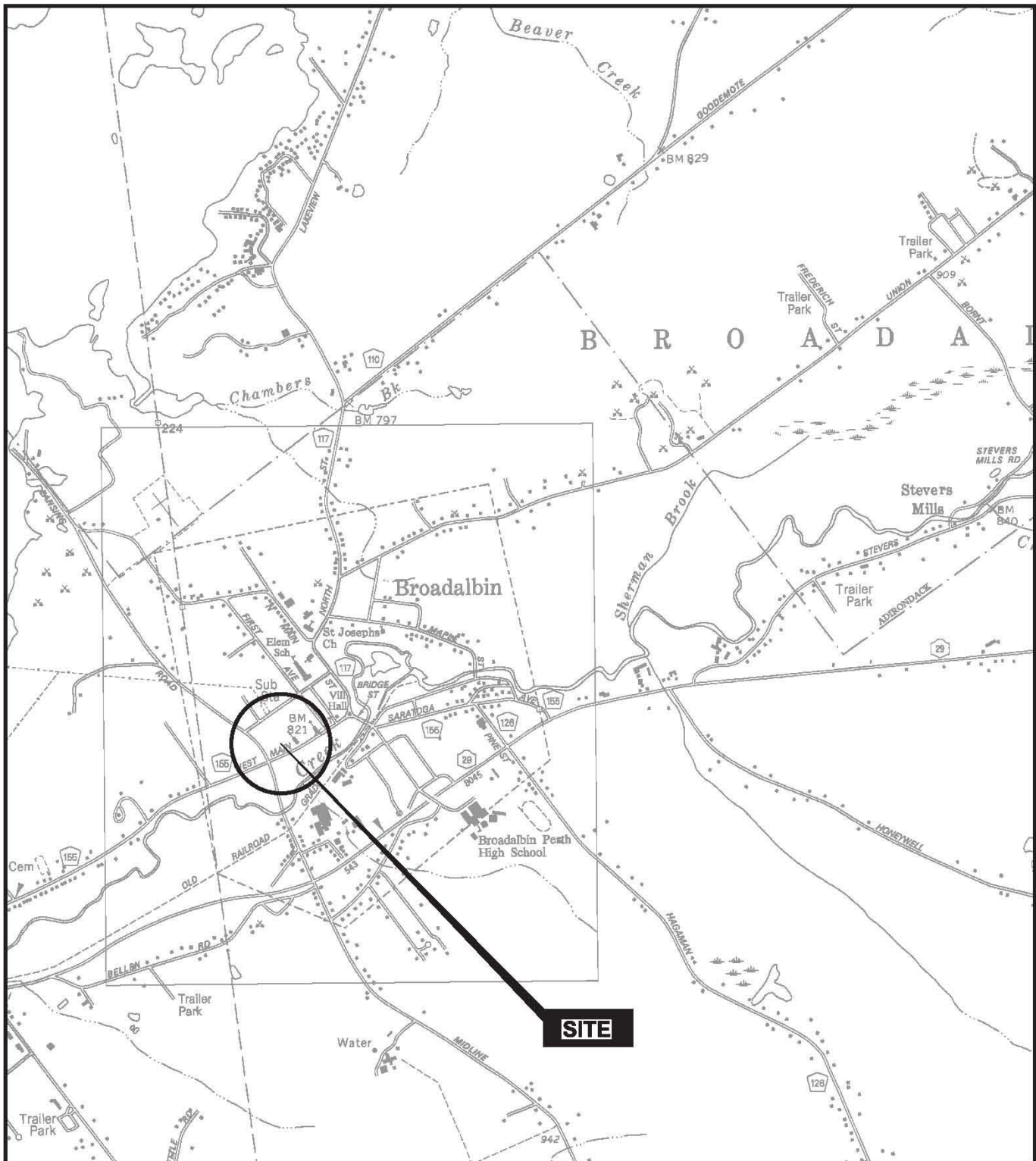
PFAS should continue to be monitored as part of future sampling events. Assuming NYSDEC will require the PFAS impacts to be addressed, the following issues and questions associated with PFOA/PFOS treatment approaches should be considered:

- § The only remedial technology currently proven to be effective in managing PFAS in groundwater is pump & treat with ex-situ GAC.
- § There is no proven in-situ technology for PFAS. There is a recent study (Environmental Science & Technology publication) of using in-situ ozone and peroxide injection, which perhaps could be considered in conjunction with one or more other technologies, although it would require some level of bench scale treatability testing.
- § Would the Department consider or approve pump & treat if PFOA and PFOS have to be remediated and there is low confidence in in-situ technology?
- § Would the Department have interest on an in-situ technology that is still under development?
- § What would be the cleanup goal target, 70 ppt or would the Department accept treating the hot spot areas to a maximum extent using available technology then manage the remaining plume?

Potential treatment options to consider may include:

1. Groundwater recirculation (source area extraction, treatment via GAC, reinjection) to mitigate VOC and PFAS
2. Repeat the ES&T approach using peroxide and ozone
3. Combination of 1 and 2. ISCO (this can use persulfate) to treat VOC hot spots allowing some PFOA treatment and conversion of precursors to PFOA and PFOS, extracting the groundwater downgradient from VOC hot spots (around VEW wells downgradient from hot spots) through aboveground VOC and PFAS treatment then re-injection of treated GW.

Figures



MAP REFERENCE: NYSDOT 7.5 MIN. QUADRANGLE
BROADALBIN SERIES

PLAN

AECOM

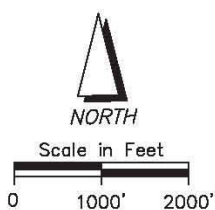


FIGURE 1
SITE LOCATION PLAN
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013

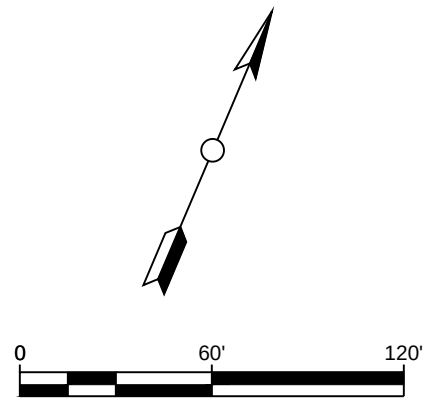
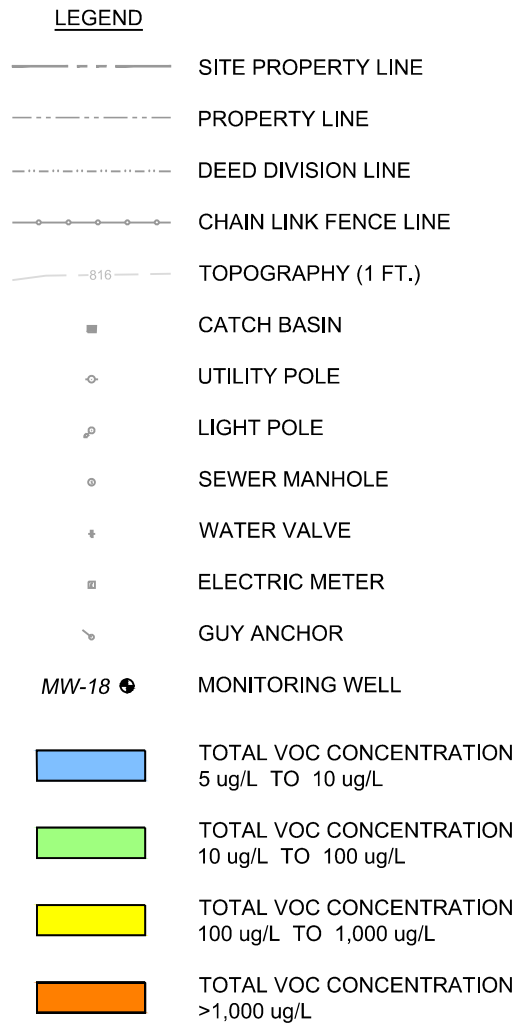
PROJECT NO.: 60273289

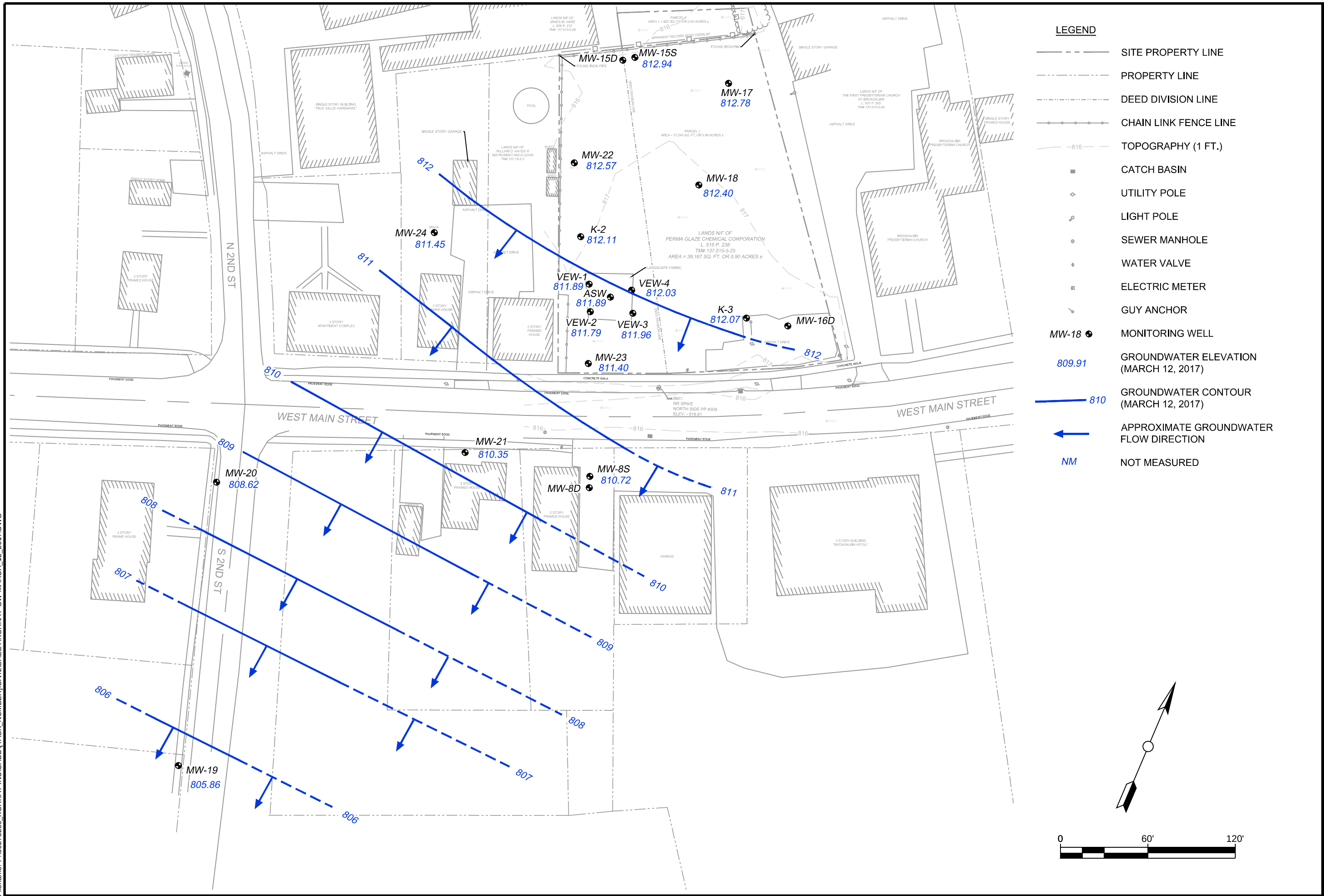


MAP REFERENCE:
MAPPING BASED ON A PLAN TITLED TOPOGRAPHIC SURVEY OF
NYSDEC INACTIVE HAZARDOUS WASTE SITE NO. 5-18-014
70 WEST MAIN STREET, BROADALBIN, NEW YORK
COUNTY OF FULTON, STATE OF NEW YORK BY, M J ENGINEERING,
AND LAND SURVEYING, P.C., DATED SEPTEMBER 10 2015, LAST REVISED
11/13/2015, INCLUDING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

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
	MONITORING WELL

A graphic scale bar with three segments. The first segment is 0 to 60 feet, the second is 60 to 120 feet, and the third is 120 to 180 feet. The segments are colored black, white, and black respectively.









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

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

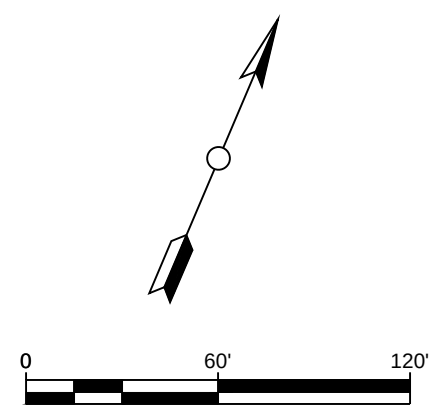
PFOA ng/L

75

PFOS ng/L

INFERRED GROUNDWATER PLUME
LIMIT OF PFOA AND/OR PFOS
> USEPA HAL (70 ng/L)

APPROXIMATE GROUNDWATER
FLOW DIRECTION



Tables

Table 1

**Water Level Measurements
Korkay Inc.
Broadalbin, New York
Site #518014**

March 15, 2017

Well ID	Top of Casing Elevation**	Total Well Depth	Depth to Water	Water Table Elevation
MW-8S	816.04	10.62	5.32	810.72
MW-8D*	816.02	55.20	26.50	789.52
MW-15S	816.02	9.85	3.08	812.94
MW-15D*	816.13	40.02	23.72	792.41
MW-16D (formerly 'Flushmount') *	817.08	54.90	27.70	789.38
K-2	816.98	14.20	4.87	812.11
K-3	817.23	10.55	5.16	812.07
ASW	817.44	11.74	5.55	811.89
VEW-1	816.99	8.30	5.10	811.89
VEW-2	816.99	8.52	5.20	811.79
VEW-3	817.74	8.54	5.78	811.96
VEW-4	817.49	8.21	5.46	812.03
MW-17	816.23	14.40	3.45	812.78
MW-18	817.15	14.30	4.75	812.40
MW-19	809.28	9.56	3.42	805.86
MW-20	813.82	13.14	5.20	808.62
MW-21	816.19	11.14	5.84	810.35
MW-22	815.82	9.27	3.25	812.57
MW-23	817.21	14.26	5.81	811.40
MW-24	817.48	11.20	6.03	811.45

Notes:

* Deep aquifer wells

** From November 2015 site survey by M.J. Engineering and Land Surveying, P.C.

Elevations given in feet above mean sea level; depths given in feet below top of casing

Table 2
Groundwater Analytical Results

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

August 2007 to March 2017

Well ID		MW-8D														MW-8S														MW-15D															
	AWQS or GV	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/15/15	3/17/17	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/15/15	3/17/17	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/15/15	3/17/17																							
Volatile Organic Compounds (µg/L)																																													
1,2,4-Trimethylbenzene	5	5	U	1.6	J	5	U	NA		10	U	1	U	1	U	430	D	89		5	U	NA		10	U	2.7		1	U	5	U	5	U	5	U	NA		10	U	200	U	1	U		
1,2-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1	U	1	U	26		5.6		5	U	1	U	10	U	1.8		1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	97		36		5	U	NA		10	U	1	U	1	U	5	U	5	U	5	U	NA		10	U	200	U	1	U		
1,1-Dichloroethane	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1	U	1	U	3	J	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	10	U	1	U	5	U	5	U	5	U	1	U	10	U	2000	U	1	U		
4-Isopropyltoluene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	20		5	U	5	U	1	U	10	U	0.8	J	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	10	U	3	J	5	U	5	U	5	U	5	U	10	U	10	U	10	U	5	U	5	U	5	U	10	U	2000	U	10	U				
Carbon Disulfide	60	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Chloroform	7	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Chloroethane	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Chloromethane	NS	5	U	5	U	3.1	J	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	9		1.3	J	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Cyclohexane	NS	NA		NA		NA		1	U	10	U	1	U	1	U	NA		NA		NA		1	U	10	U	1	U	1	U	5	U	NA		NA		NA		1	U	10	U	200	U	1	U
Ethylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	57		11		5	U	1	U	10	U	1.1		1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Isopropylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	27		9.6		5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Methylcyclohexane	NS	NA		NA		NA		1	U	10	U	1	U	1	U	NA		NA		NA		1	U	10	U	1	U	1	U	NA		NA		NA		1	U	10	U	200	U	1	U		
m,p-Xylene	5	5	U	5	U	5	U	2	U	NA		2	U	2	U	160		28		5	U	2	U	NA		0.8	J	2	U	5	U	5	U	5	U	2	U	NA		400	U	2	U		
n-Butylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	45		12		5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
n-Propylbenzene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	34		14		5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Methylene Chloride	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Naphthalene	10 (GV)	5	U	1.2	J	5	U	1	U	10	U	1	U	1	U	58		10		5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
o-Xylene	5	5	U	5	U	5	U	1	U	NA		1	U	1	U	120		19		5	U	1	U	NA		3		1	U	5	U	5	U	5	U	1	U	NA		200	U	1	U		
Styrene	5	5	U	5	U	5	U	1	U	10	U	1	U	NA	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	22		6.8		5	U	NA		10	U	0.92	J	1	U	5	U	5	U	5	U	NA		10	U	200	U	1	U		
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1	U	1	U	5	U	5	U	5	U	NA		10	U	1	U	1	U	5	U	5	U	5	U	NA		10	U	200	U	1	U		
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Trichloroethene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Toluene	5	5	U	5	U	5	U	1	U	10	U	1	U	1	U	1	J	5	U	5	U	1	U	10	U	1	U	1	U	5	U	5	U	5	U	1	U	10	U	200	U	1	U		
Xylene (Total)	NS	5	U	5	U	5	U	2	U	10	U	2	U	2	U	280		47		5	U	2	U	10	U	3.8		2	U	5	U	5	U	5	U	2	U	10	U	400	U	2	U		
Total VOCs ²		ND		2.8	J	3	J	ND		ND		ND		ND		1,109	DJ	242	J	ND		ND		ND		11.1	J	ND		ND		ND		ND		ND		ND		ND		ND			
Field Parameter Results																																													
DO (mg/L)	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		6.38					
ORP (MeV)	NA	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		151.6					
Sodium Persulfate (mg/L)	NA	NA		NA		NA		NA		NA		NA		NA		3		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		0.7					
Semi-Volatile Organic																																													
1,2-Dichlorobezene	3	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	21		NA		NA		4.7	U	NA		NA		5	U	10	U	NA		NA		4.7	U	NA		NA		5	U		
1,4-Dichlorobenzene	3	10	U	NA		NA		4.7	U	NA		5.1	U	5	U	2	J	NA		NA		4.7	U	NA		NA		5	U	10	U	NA		NA		4.7	U	NA		NA		5	U		

Table 2
Groundwater Analytical Results

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

August 2007 to March 2017

Well ID		MW-15S												ASW																																
	AWQS or GV	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	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																							
Volatile Organic Compounds (µg/L)																																														
1,2,4-Trimethylbenzene	5	45		29		1.1	J	2.3	J	NA		14	JN	5	U	1	U	130	D	1,100	D	860		NA		NA		410	JN	420		420		950		880		970	F1	840		940		1100		
1,2-Dichlorobenzene	3	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	24		34		26		35		36		35		24		31		28		35		27		32		34				
1,3,5-Trimethylbenzene	5	36		25		5	U	NA		NA		10	U	5	U	1	U	31	D	360		280		NA		NA		730	JN	260		260		310		340		380		320		330		380		
1,1-Dichloroethane	5	5	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	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			
1,4-Dichlorobenzene	3	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	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			
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	5	U	1.0	U	10	U	50	U	1	U	14		13	J	25	U	8.9		9.2		49		12	J	12	J	200	U	200	U	200	U	200	U	200	U			
4-Isopropyltoluene	5	11		32		4.6	J	5	U	1.0	U	10	U	2.6	J	0.51	J	39		61		25	U	1	U	1	U	10	U	37		37		39		47		58		41		43		54		
Acetone	50 (GV)	5	U	5	U	5	U	5	U	1.0	U	10	U	50	U	4.5	J	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	
Carbon Disulfide	60	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	0.2	J	5	U	25	U	25	U	1	U	1	U	10	U	5	U	5.0	U	20	U	20	U	4.8	J	4.5	J	11	J			
Chloroform	7	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	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			
Chloroethane	5	5	U	5	U	1	J	5	U	1.0	U	10	U	5	U	1	U	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	
Chloromethane	NS	5	U	5	U	5	U	4.4	J	1.0	U	10	U	5	U	1	U	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			
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	53		72		24	J	26		26		21	Z	24		24		20	U	20	U	20	U	20	U	20	U			
Cyclohexane	NS	NA		NA		NA		5	U	1.0	U	10	U	5	U	1	U	NA		NA		NA		4.6		4.6		4	J	5	U	5.0	U	20	U	20	U	20	U	20	U	20	U			
Ethylbenzene	5	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	65		430		150		160	D	160	D	220	D	110		110		120		130		140		94		140		160		
Isopropylbenzene	5	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	49		86		50		56		56		62		34		34		43		43		56		37		42		57		
Methylcyclohexane	NS	NA		NA		NA		5	U	2.6		2	J	5	U	0.47	J	NA		NA		NA		36		37		41		16		16		6.1	J	29		34		21		21		33		
m,p-Xylene	5	5	U	5	U	5	U	5	U	1.0	U	NA		10	U	2	U	320	D	2,100	D	710		730		710	D	NA		340		340		580		710		730	F1	610		750		860		
n-Butylbenzene	5	8		24		3.5	J	1.1	J	1.0	U	10	U	5	U	1	U	60		91		73		1	U	1	U	10	U	68		68		73		47		97		58		62		95		
n-Propylbenzene	5	5	U	2.6	J	5	U	5	U	1.0	U	10	U	5	U	1	U	74		120		87		1	U	1	U	140	JN	60		60		78		80		110		69		81		100		
Methylene Chloride	5	5	U	5	U	5	U	5	U	1.0	U	NA		5	U	1	U	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	
Naphthalene	10 (GV)	1	J	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	130		160		100		1	U	1	U	10	U	84		84		120		86		110		91		110		120		
o-Xylene	5	3	J	5	U	5	U	5	U	1.0	U	NA		5	U	1	U	210	D	1,000	D	430		450		440	D	NA		390		390		370		410		420	F1	330		460		530		
Styrene	5	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	5	U	25	U	25	U	1	U	1	U	10	U	NA		390		390		370		410		420	F1	330		460		530
sec-Butylbenzene	5	5		18		2.8	J	5	U	NA		10	U	5	U	1	U	28		46		37		NA		NA		10	U	30		30		30		30		20	U	47		36		34		46
tert- Butylbenzene	5	5	U	1.4	J	5	U	5	U	NA		10	U	5	U	1	U	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	
Tetrachloroethene (PCE)	5	2	J	5	U	5	U	5	U	0.9	J	10	U	5	U	1	U	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		
Trichloroethene	5	5	U	5	U	5	U	5	U	1.0	U	10	U	5	U	1	U	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	
Toluene	5	13		1.3	J	5	U	5	U	2		1	J	5	U	1	U	19		26		22	J	21		21		18		10		10		20	U	20	U	10	J	20	U	20	U			
Xylene (Total)	NS	3	J	5	U	5	U	5	U	1	J	10	U	10	U	2	U	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		
Total VOCs ²		124	J	133.3	J	13	J	7.8	J	7	J	17	JN	2.6	J	5.68	J	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	
Field Parameter Results																																														
DO (mg/L)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		ne		0.52		0		0.2		0.31		0.14		0.21			
ORP (MeV)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		ne		-105		-143		-93		-92.1		-77.6		93.6			
Sodium Persulfate (mg/L)	NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		nt		nt		3.5		1.4		2.1		0.7		3			
Semi-Volatile Organic																																														
1,2-Dichlorobezene	3	10	U	NA		NA		NA		4.7	U	NA		NA		5	U	19	J	NA		NA		NA		4.7	U	4.7	U	NA		NA		NA		NA		NA		NA						

Table 2
Groundwater Analytical Results

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

August 2007 to March 2017

Well ID		MW-16D												K-2								K-3																											
	AWQS or GV	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/14/15	3/17/17	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	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	6/25/13	10/14/15	3/16/17																									
Volatile Organic Compounds (µg/L)																																																	
1,2,4-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	60		60		81		2.5	J	NA		10	U	16		1	U	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U		
1,2-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U		
1,3,5-Trimethylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	3	J	3	U	8.4		5	U	NA		10	U	5.0	U	1	U	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U		
1,1-Dichloroethane	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	5	U	1.0	U	10	U	NA		NA		1	U	1	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U		
2-Butanone (MEK)	50 (GV)	5	U	5	U	5	U	1	U	10	U	1.4	J	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	7.4	J	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	13		1	U		
4-Isopropyltoluene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	2	J	2	J	5	U	5	U	1.0	U	10	U	3.4	J	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U		
Acetone	50 (GV)	5	U	5	U	5	U	10	U	10	U	1.0	U	10	U	5	U	5	U	5	U	5	U	3.7	J	10	U	50	U	10	U	5	U	5	U	5	U	1.0	U	10	U	10	U	10	U	10	U		
Carbon Disulfide	60	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U
Chloroform	7	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U
Chloroethane	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	0.67	J	10	U	5.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U
Chloromethane	NS	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	NA	2.5	J	1.0	U	10	U	5.0	U	1	U	5	U	5	U	4.8	J	1.0	U	10	U	10	U	1	U	1	U			
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	4	J	4	J	6.2		5	U	4.2	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U			
Cyclohexane	NS	NA		NA		NA		1	U	10	U	1.0	U	1	U	NA		NA	NA	NA	1.0	U	10	U	5.0	U	1	U	5	U	NA		NA		NA		1.0	U	10	U	10	U	1	U	1	U			
Ethylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	12		13		9.3		5	U	13	10	U	7.1		1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U			
Isopropylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	4	J	4	J	5.7		5	U	2.6	10	U	5.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U	
Methylcyclohexane	NS	NA		NA		NA		1	U	10	U	1.0	U	1	U	NA		NA	NA	NA	NA	2.3	10	U	5.0	U	1	U	NA		NA		NA		NA		1.0	U	10	U	10	U	1	U	1	U			
m,p-Xylene	5	5	U	5	U	5	U	2	U	NA		2.0	U	2	U	16		16		14	5	U	19	NA		28		2	U	5	U	5	U	5	U	2.0	U	NA		10	U	2	U	2	U				
n-Butylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	8		8		23		1.3	J	1.0	U	10	U	4.6	J	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U		
n-Propylbenzene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	4	J	4	J	13		5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U		
Methylene Chloride	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	5	U	1.0	U	10	U	NA		NA		1	U	1	U
Naphthalene	10 (GV)	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	10	B	8	B	5.4		5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U		
o-Xylene	5	5	U	5	U	5	U	1	U	NA		1.0	U	1	U	30		30		17		5	U	24	NA		32		1	U	5	U	5	U	5	U	1.0	U	NA		NA		1	U	1	U			
Styrene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U		
sec-Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	6		6		18		5	U	NA		10	U	5.0	U	1	U	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U		
tert- Butylbenzene	5	5	U	5	U	5	U	NA		10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	NA		10	U	5.0	U	1	U	5	U	5	U	5	U	NA		10	U	10	U	1	U	1	U		
Tetrachloroethene (PCE)	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	2	JB	2	JB	1.5	J	5	U	0.64	J	10	U	5.0	U	1	U	5	U	1.2	J	5	U	0.77	J	10	U	10	U	0.45	J	1	U		
Trichloroethene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	1	J	5	U	5	U	5	U	5	U	1.0	U	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	1	U	1	U
Toluene	5	5	U	5	U	5	U	1	U	10	U	1.0	U	1	U	5	U	5	U	5	U	5	U	0.59	J	10	U	5.0	U	1	U	5	U	5	U	5	U	1.0	U	10	U	10	U	0.59	J	1	U	1	U
Xylene (Total)	NS	5	U	5	U	5	U	2	U	10	U	2.0	U	2	U	46		46		31		5	U	43		5	J	60		2	U	5	U	5	U	5	U	2.0	U	10	U	4	J	2	U	2	U		
Total VOCs ²		ND		ND		ND		ND		162	JB	157	JB	203	J	6	J	70.7	J	5	J	98.5	J	ND		ND		1.2	J	5	J	5	J	0.77	J	ND		4	J	14.04	J	ND		ND					
Field Parameter Results																																																	
DO (mg/L)	NA	NA		NA		NA		NA		1.15		NA		NA		NA		NA		NA		NA		NA		5.31																							

Table 2
Groundwater Analytical Results

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

August 2007 to March 2017

Well ID		VEW-1										VEW-2										VEW-3										VEW-4																											
	AWQS or GV	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/13/15	3/16/17		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	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/14/15	3/16/17	8/14/07	11/25/08	3/25/10	1/10/12	6/25/13	10/14/15	3/16/17																												
Volatile Organic Compounds (µg/L)																																																											
1,2,4-Trimethylbenzene	5	230	D	410	D	220		NA		10	U	240		51		22		9.8		5	U	NA		10	U	170		1	U	1	U	130		130		2	J	NA		37	JN	NA		1	U	12		170		3.1	J	NA		28	JN	NA		1	U
1,2-Dichlorobenzene	3	23		34		19		24		17		19		3.9		1	J	1.2	J	5	U	1.0	U	10	U	18		1	U	1	U	30		25		5	U	3.1		5	J	NA		1	U	2	J	16		5	U	3.9		1	J	NA		1	U
1,3,5-Trimethylbenzene	5	230	D	410	D	200		NA		240	JN	270		62		1	J	5	U	5	U	NA		10	U	57		1	U	1	U	110		110		1.8	J	NA		28	JN	NA		1	U	6		100		2.1	J	NA		20	JN	NA		1	U
1,1-Dichloroethane	5	5	U	5	U	13	U	1.0		10	U	NA		2	U	5	U	5	U	5	U	1.0		10	U	NA		1	U	1	U	5	U	5	U	5	U	1.0		10	U	NA		1	U	5	U	5	U	1.0		10	U	NA		1	U		
1,4-Dichlorobenzene	3	1	J	2.3	J	13	U	1.0	U	10	U	2	U	2	U	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	1.0	J	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	1	J	5	U	1.0	U	10	U	NA		1	U
2-Butanone (MEK)	50 (GV)	13		17		13	U	2.5	J	10	U	15	J	2	U	5	U	5	U	5	U	1.0	U	10	U	10	U	10	U	10	U	9		11		5	U	3.2	J	10	U	NA		1	U	5	U	8.1		5	U	3.0	J	10	U	NA		1	U
4-Isopropyltoluene	5	36		5	U	59		1.0	U	10	U	45		10		5	U	5	U	5	U	1.0	U	10	U	3.8		1	U	1	U	12		12		5	U	1.0	U	10	U	NA		1	U	5	U	5	U	1.0	U	10	U	NA		1	U		
Acetone	50 (GV)	10		34		13	U	6.2	J	10	U	37		6.5	J	5	U	5	U	5	U	1.0	U	10	U	11		3	J	10	U	5	U	5	U	5	U	1.0	U	10	U	NA		3.2	J	70		8.8		5	U	5.2	J	10	U	NA		3	J
Carbon Disulfide	60	1	J	5	U	13	U	1.0	U	10	U	2	U	2	U	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	1.0	U	10	U	NA		1	U		
Chloroform	7	5	U	5	U	13	U	1.0	U	10	U	2	U	2	U	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	1.0	U	10	U	NA		1	U		
Chloroethane	5	5	U	5	U	4.7	J	1.0	U	10	U	2	U	2	U	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	1.0	U	10	U	NA		1	U		
Chloromethane	NS	5	U	5	U	6.7	J	1.0	U	10	U	2	U	2	U	5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	1.0	U	10	U	NA		1	U		
cis-1,2-Dichloroethene	5	130		84		39		22		5	J	19		2	U	39		4.6	J	5	U	1.0	U	10	U	9.9		1	U	1	U	4	J	2.6	J	5	U	1.0	U	10	U	NA		1	U	2	J	3.5	J	5	U	2.0		10	U	NA		1	U
Cyclohexane	NS	NA		NA		0.47	J	10	U	2	U	2	U	2	U	NA		NA		NA		1.0	U	10	U	1.3		1	U	1	U	NA		NA		NA		1.0	U	10	U	NA		1	U	NA		1.0	U	10	U	NA		1	U				
Ethylbenzene	5	29		54		28		25		24		28		3.6		5		1.6	J	5	U	1.0	U	10	U	45		1	U	1	U	32		38		5	U	6.6		10		NA		1	U	5	U	17		5	U	4.3		10	U	NA		1	U
Isopropylbenzene	5	11		23		12	J	13		11		12		2.1		5	U	5	U	5	U	1.0	U	10	U	11		1	U	1	U	6		6.9		5	U	0.87	J	1	J	NA		1	U	5	U	4.5	J	5	U	2.0		10	U	NA		1	U
Methylcyclohexane	NS	NA		NA		NA		3.4		3	JZ	1.8	J	0.51	JF1F2	NA		NA		NA		1.0	U	10	U	0.83	J	1	U	1	U	NA		NA		NA		1.0	U	10	U	NA		1	U	NA		NA		0.81	J	10	U	NA		1	U		
m,p-Xylene	5	49		100		51		47		NA		58		7.7		5		1.8	J	5	U	2.0	U	NA		150		2	U	2	U	120		150		2.9	J	22		NA	U	NA		2	U	4	J	84		1.5	J	18		NA		NA		2	U
n-Butylbenzene	5	54		5	U	47		1.0	U	10	U	62		14		5	U	5	U	5	U	1.0	U	10	U	1	U	1	U	1	U	17		15		5	U	1.0	U	10	U	NA		1	U	5	U	14		5	U	1.0	U	10	U	NA		1	U
n-Propylbenzene	5	14		30		19		1.0	U	10	U	18		3.5		1	J	1.1	J	5	U	1.0	U	10	U	15		1	U	1	U	7		8.9		5	U	1.0	U	10	U	NA		1	U	5	U	3.3	J	5	U	1.0	U	10	U	NA		1	U
Methylene Chloride	5	5	U	5	U	13	U	1.0	U	10	U	NA		2	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	1	U	5	U	5	U	5	U	1.0	U	10	U	NA		1	U	5	U	5	U	1.0	U	10	U	NA		1	U		
Naphthalene	10 (GV)	110	B	5	U	78		1.0	U	10	U	110		17		6	B	4.4	J	5	U	1.0	U	10	U	45		1	U	1	U	70		45		1.8	J	1.0	U	10	U	NA		1	U	18		60		5	U	1.0	U	10	U	NA		1	U
o-Xylene	5	250	D	330	D	160		180	D	NA		200		33		17		4.5	J	5	U	1.0	U	NA		99		1	U	1	U	110		110		2.1	J	16		NA		NA		1	U	20		180		2.5	J	36		NA		NA		1	U
Styrene	5	5	U	5	U	13	U	1.0	U	10	U	2	U	2	U</																																												

Table 2
Groundwater Analytical Results

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

August 2007 to March 2017

Well ID		MW-17											MW-18						MW-19		MW-20		
	AWQS or GV	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	10/14/15	12/8/15	3/8/16	5/31/16	9/14/16	12/6/16	3/15/17	10/15/15	3/15/17	10/15/15	3/15/17
Volatile Organic Compounds (µg/L)																							
1,2,4-Trimethylbenzene	5	220		5	U	5	U	61		170		200		87		100		200		200		92	
1,2-Dichlorobenzene	3	28		15		14		10	U	14		20	U	11		12		15		7.3		26	
1,3,5-Trimethylbenzene	5	140		5	U	5	U	54		100		120		37		51		85		83		40	
1,1-Dichloroethane	5	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
1,4-Dichlorobenzene	3	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	4.4	J
2-Butanone (MEK)	50 (GV)	50	U	50	U	50	U	100	U	100	U	200	U	5	U	5	U	9.2	J	50	U	20	U
4-Isopropyltoluene	5	28		5	U	5	U	6.6	J	19		25		9.7		12		18		19		8.3	
Acetone	50 (GV)	50	U	25	J	24	J	100	U	100	U	200	U	50	U	50	U	50	U	15	J	50	U
Carbon Disulfide	60	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
Chloroform	7	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Chloroethane	5	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Chloromethane	NS	5	U	7		7		10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
cis-1,2-Dichloroethene	5	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Cyclohexane	NS	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Ethylbenzene	5	4	J	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	46	
Isopropylbenzene	5	9.1		5	U	5	U	10	U	10	U	20	U	5	U	5	U	4.4	J	2.5		21	
Methylcyclohexane	NS	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
m,p-Xylene	5	21		10	U	10	U	20	U	20	U	40	U	3.3	J	4	J	11		12		6.8	
n-Butylbenzene	5	36		5	U	5	U	10	U	22		27		12		10		7.5		23		9.4	
n-Propylbenzene	5	16		5	U	5	U	10	U	10	U	20	U	4.8	J	6.2		7.9		7.9		4.5	
Methylene Chloride	5	5	U	5	U	5	U	5.7	J	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Naphthalene	10 (GV)	32		5	U	5	U	6.9	J	26		27		11		12		26		24		11	
o-Xylene	5	32		8.2	J	7.8		11		23		25		5.6		5.6		21		23		11	
Styrene	5	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
sec-Butylbenzene	5	16		5	U	5	U	10	U	7.9	J	20	U	5.3		7.8		8.3		9.4		4.1	
tert- Butylbenzene	5			5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Tetrachloroethene (PCE)	5	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
Trichloroethene	5	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Toluene	5	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	2	U	5	U
Xylene (Total)	NS	53		8.2	J	7.8	J	11	J	23		25	J	8.9	J	9.6	J	32		35		18	
Total VOCs ²		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
Field Parameter Results																							
DO (mg/L)	NA	ne		0.54		0.2		0.1		0.38		0.43		0.48		ne		29		42		19	
ORP (MeV)	NA	ne		-99		-157		-165		-124.8		-133.2		-102.6		ne		199		147		166	
Sodium Persulfate (mg/L)	NA	nt		nt		4.2		2.1		0.7		1.4		0.7		nt		nt		70		10	
Semi-Volatile Organic																							
1,2-Dichlorobezene	3	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	
2,4,5-Trichlorophenol	NS	52	U	0.56	J	0.59	J	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
BIS (2-Ethylhexyl) phenol	50 (GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
2-Methylnaphthalene	NS	52	U	4.8	U	4.8	U	4.7	U	0.69	J	4.7	U	4.9	U	24	U	25	U	5	U	26	U
4-Methylphenol	NS	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
Acetophenone	NS	52	U	27		26		4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Benzaldehyde	NS	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Biphenyl	5	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
BIS (2-Ethylhexyl) phthalate	50 (GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Di-n-butylphthalate	50	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
Diethyl phthalate	50 (GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Di-n-octylphthalate	50 (GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Fluorene	50 (GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Naphthalene	10 (GV)	13	J	4.8	U	4.8	U	4.8		9.3		8.8		4.9	U	4.7	U	14	J	9.5	J	12	
Acenaphthene	20	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Dibenzofuran	NS	52	U	9.6	U	9.6	U	9.4	U	9.8	U	9.4	U	9.8	U	48	U	50	U	10	U	26	U
Fluoranthene	50(GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Phenanthrene	50(GV)	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Phenol	1	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	24	U	25	U	5	U	26	U
Organochlorine Pesticides (µg/L)																							
Aldrin	ND	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
alpha-BHC	0.01	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
alpha-Chlordane	NS	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
beta-BHC	0.04	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
delta-BHC	0.04	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
Dieldrin	0.004	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
Endosulfan II	NS	0.10	U	0.46	U	0.48	U	0.49	U														

Table 2
Groundwater Analytical Results

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

August 2007 to March 2017

Well ID		MW-21							MW-22							MW-23							MW-24																												
	AWQS or GV	10/15/15	3/8/16	5/31/16	9/14/16	12/6/16	3/17/17	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	10/14/15	12/8/15	3/8/16	5/31/16	9/14/16	12/6/16	3/16/17	10/15/15	3/17/17																											
Volatile Organic Compounds (µg/L)																																																			
1,2,4-Trimethylbenzene	5	140		0.91	J	1	U	130		1	U	1	U			21		26		19		13		5.9		5	U	5	U	1	U	110		160		770		570		570		45		250	E	1	U	1	U		
1,2-Dichlorobenzene	3	20	U	1.1		1	U	12		1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	18		8.6		47		34		30		2.3		25		1	U	1	U		
1,3,5-Trimethylbenzene	5	39		1	U	1	U	1	U	1	U	1	U	11		13		15		16		5.2		5	U	5	U	5	U	1	U	66		49		260		200		200		15		110	E	1	U	1	U		
1,1-Dichloroethane	5	20	U	1	U	1	U	0.9	J	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	10	U	10	U	10	U	1	U	1	U	1	U	1	U		
1,4-Dichlorobenzene	3	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	10	U	10	U	10	U	1	U	2.5		1	U	1	U		
2-Butanone (MEK)	50 (GV)	200	U	10	U	10	U	10	U	10	U	10	U	14	J	100	U	10	U	50	U	50	U	50	U	50	U	50	U	1	U	50	U	24	J	63	J	28	J	100	U	10	U	25		1	U	1	U		
4-Isopropyltoluene	5	12	J	1	U	1	U	1	U	1	U	1	U	6.3		8.2	J	5.8		5.1		3.1	J	1.7	J	5	U	1	U	1	U	16		9		38		35		26		3.4		15		1	U	1	U		
Acetone	50 (GV)	200	U	10	U	10	U	10	U	10	U	10	U	50	U	100	U	10	U	50	U	50	U	50	U	50	U	50	U	10	U	50	U	140		390		150		48	J	4	J	19		2.2	J	10	U		
Carbon Disulfide	60	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	10	U	2	J	2.2	J	1	U	2.2		1	U	1	U		
Chloroform	7	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	10	U	10	U	10	U	1	U	1	U	1	U	1	U		
Chloroethane	5	20	U	1	U	1	U	0.72	J	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	27		8.1	J	6.3	J	0.58	J	2.8		10	U	10	U		
Chloromethane	NS	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	23		120		50		35		1.2		0.85	J	1	U	1	U		
cis-1,2-Dichloroethene	5	20	U	2.5		1.8		14		1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5.3		10		9.2	J	10	U	14		2.2		4.7		1	U	1	U		
Cyclohexane	NS	20	U	1	U	1	U	1.7		1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	7.9	J	10	U	3.6	J	1	U	3.2		1	U	1	U		
Ethylbenzene	5	43		1	U	1	U	1	U	70		1	U	5.5		10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	24		40		190		120		110		15		79		1	U	1	U		
Isopropylbenzene	5	20	U	1	U	1	U	19		1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	7.7		10		49		41		33		3.2		25		1	U	1	U		
Methylcyclohexane	NS	20	U	1	U	1	U	4.2		0.22	J	1	U	3.1	J	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	6.1		2.1	J	19		20		12		1.3		7.9		1	U	1	U		
m,p-Xylene	5	54		2	U	2	U	1.2	J	2	U	2	U	22		20	U	10	U	10	U	10	U	10	U	10	U	10	U	2	U	100		160		890		540		580		54		240	E	1	U	1	U		
n-Butylbenzene	5	30		1	U	1	U	18		1	U	1	U	8		9.8	J	3.3	J	3.5	J	5	U	5	U	5	U	5	U	1	U	22		15		34		53		15		4.6		20		1	U	1	U		
n-Propylbenzene	5	15	J	1	U	1	U	28		1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	12		17		79		68		53		5		38		2	U	2	U		
Methylene Chloride	5	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	3.7	J	5	U	3.6	J	5	U	5	U	1	U	5	U	5	U	8.8	J	10	U	9.3	J	1	U	1	U	1	U	1	U		
Naphthalene	10 (GV)	20	U	1	U	1	U	1	U	1	U	1	U	5	U	4.3	J	2.8	J	5	U	5	U	5	U	5	U	5	U	1	U	21		25		120		85		82		6.9		72		1	U	1	U		
o-Xylene	5	120		1	U	1	U	42		1	U	1	U	14		10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	99		84		440		260		300		34		170	E	1	U	1	U		
Styrene	5	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	5	U	13		10	U	1.1		5.5		1	U	1	U		
sec-Butylbenzene	5	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	8		7.2		10	U	27		10	U	2.9		11		1	U	1	U		
tert- Butylbenzene	5	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	10	U	10	U	10	U	1	U	1.8		1	U	1	U		
Tetrachloroethene (PCE)	5	20	U	1	U	1	U	0.52	J	1	U	1	U	3.4	J	10	U	5	U	5	U	5	U	2.4	J	5	U	0.66	J	5	U	5	U	5	U	5	U	10	U	10	U	10	U	1	U	0.74	J	1	U	1	U
Trichloroethene	5	20	U	1	U	1	U	0.63	J	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	5	U	5	U	10	U	10	U	10	U	1	U	1.9		1	U	1	U		
Toluene	5	20	U	1	U	1	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U	5	U	5	U	5	U	1	U	6.8		4.7	J	12		9.4	J	10	U	1	U	1.6		1	U	1	U		
Xylene (Total)	NS	170		1	U	1	U	43		2	U	2	U	36		20	U	10	U	10	U	10	U	10	U	10	U	10	U	2	U	200		240		1300		800		880		88		410	E	2	U	2	U		
Total VOCs ²		453	J	4.51	J	1.8		342.87	J	0.22	J	ND		108.3	J	61.3	J	45.9	J	41.3	J	14.2	J	7.7	J	--	0.66																								

Table 3

Summary of PFOA/PFOS and 1,4-Dioxane Groundwater Analytical Results
Korkay, Inc.
Broadalbin, New York (Site #518014)

March 2017

Well ID		MW-8D		MW-8S		MW-15D		MW-15S		ASW		MW-16D		K-2		K-3		VEW-1		VEW-2		VEW-2 ¹	
	Health Advisory Limits	3/17/17		3/17/17		3/15/17		3/15/17		3/16/17		3/17/17		3/16/17		3/16/17		3/16/17		3/16/17		3/16/17	
PFAS - Perfluorinated Alkyl Substances (ng/L)																							
Perfluorobutanesulfonic acid (PFBS)	NS	2	U	6.9		2	U	1.8	J	2	U	2	U	1.8	J	4.6		2		1.6	J	1.7	J
Perfluorohexanesulfonic acid (PFHxS)	NS	2	U	2.4		2	U	2.9		5.4		2	U	15		37		14		16		16	
Perfluoroheptanoic acid (PFHpA)	NS	2	U	1.7	J	2	U	4.6		11		2	U	12		2.7		20		11		11	
Perfluorononanoic acid (PFNA)	NS	2	U	2	U	2	U	0.75	J	5		2	U	5		0.8	J	2.5		3.3		3.3	
Perfluorooctanoic acid (PFOA)	70	1.3	J	5.2		1.6	J	11		21		3.8		150		20		110		81		80	
Perfluorooctanesulfonic acid (PFOS)		2	U	17		2	U	140		310		2	U	1500		240		1400		1100		1100	
Total PFOA/PFOS	70	1.3	J	22.2		1.6	J	151		331		3.8		1650		260		1510		1181		1180	
1,4 - Dioxane (ug/L)																							
1,4 - Dioxane	NS	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U

PFAS results compared to the USEPA Health Advisory Limits of 70 parts per trillion (ng/L) for PFOA and PFOS, individually and combined.

NS - No standard or GV.

BOLD font indicates compound concentrations detected above method detection limits

Shaded cells indicate exceedance of Health Advisory Limits

U - Compound analyzed for but not detected

J - Estimated concentration for compound detected below the reporting limit

¹ - Duplicate Sample

Table 3

Summary of PFOA/PFOS and 1,4-Dioxane Groundwater Analytical Results
Korkay, Inc.
Broadalbin, New York (Site #518014)

March 2017

Well ID		VEW-3		VEW-4		MW-17		MW-18		MW-19		MW-20		MW-21		MW-22		MW-23		MW-24	
	Health Advisory Limits	3/16/17		3/16/17		3/15/17		3/15/17		3/15/17		3/15/17		3/17/17		3/15/17		3/16/17		3/17/17	
PFAS - Perfluorinated Alkyl Substances (ng/L)																					
Perfluorobutanesulfonic acid (PFBS)	NS	2		1.1	J	2	U	2	U	3.2		1.2	J	1.1	J	1.4	J	2	U	2	
Perfluorohexanesulfonic acid (PFHxS)	NS	21		12		1.7	J	2		1.9	J	2	U	1.5	J	4.1		2.6		1.2	J
Perfluoroheptanoic acid (PFHpA)	NS	11		9.4		12		3.2		4.9		1.7	J	2	U	1.6	J	3.7		3.1	
Perfluorononanoic acid (PFNA)	NS	4.3		5.5		2.4		0.89	J	0.9	J	2	U	1.4	J	7		1.7	J	2	U
Perfluorooctanoic acid (PFOA)	70	130		75		27		14		11		5.5		16		13		16		11	
Perfluorooctanesulfonic acid (PFOS)		960		1300		170		48		28		4.9		350		200		89		14	
Total PFOA/PFOS	70	1090		1375		197		62		39		10.4		366		213		105		25	
1,4 - Dioxane (ug/L)																					
1,4 - Dioxane	NS	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U

PFAS results compared to the USEPA Health Advisory Limits
NS - No standard or GV.
BOLD font indicates compound concentrations detected above
Shaded cells indicate exceedance of Health Advisory Limits
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the
¹ - Duplicate Sample

Charts

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

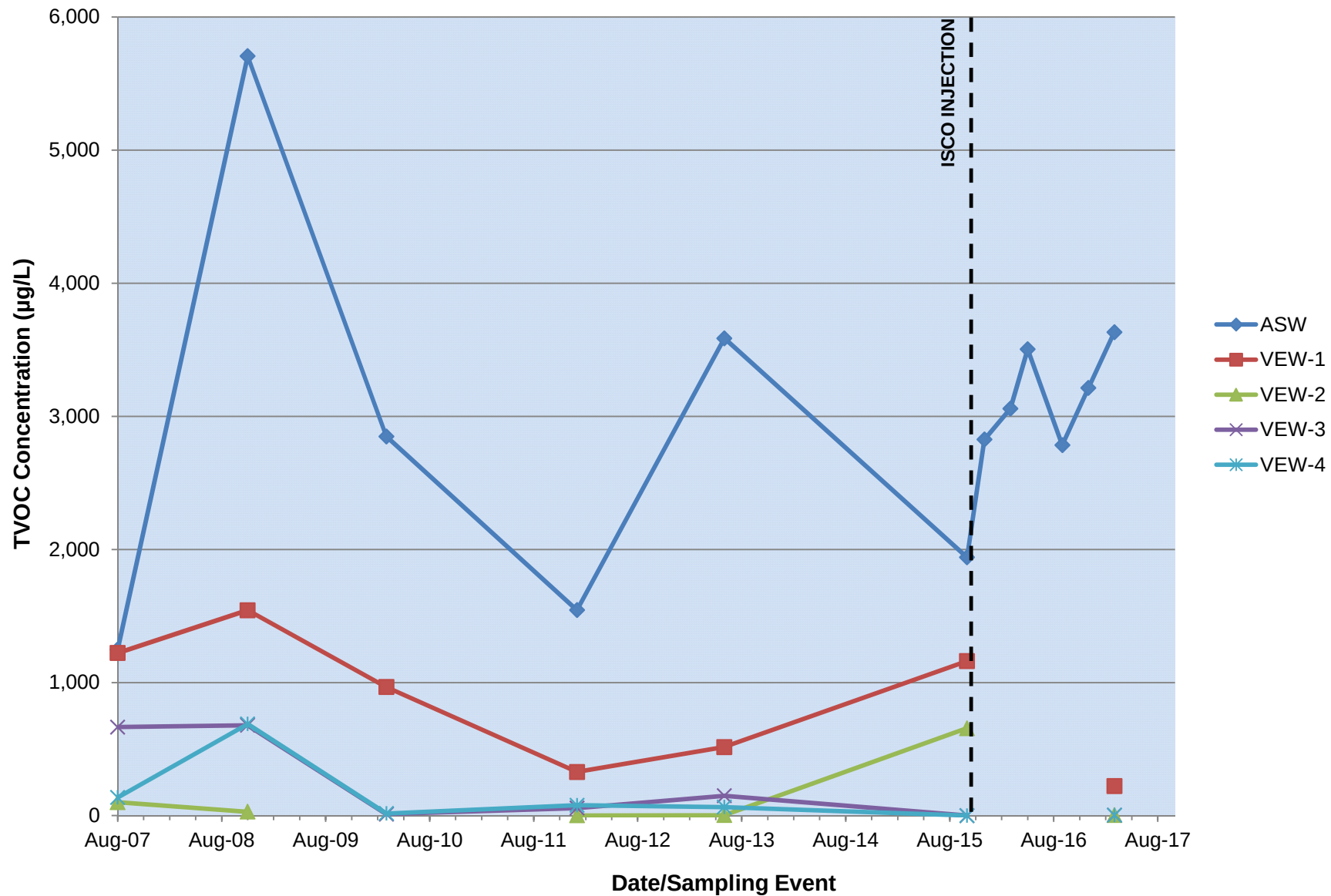


Chart 2
Post-ISCO Injection Groundwater VOC Concentration Trends
Korkay Inc.

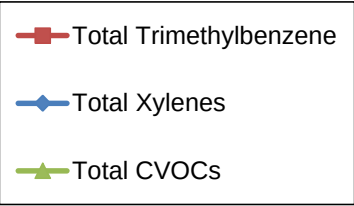
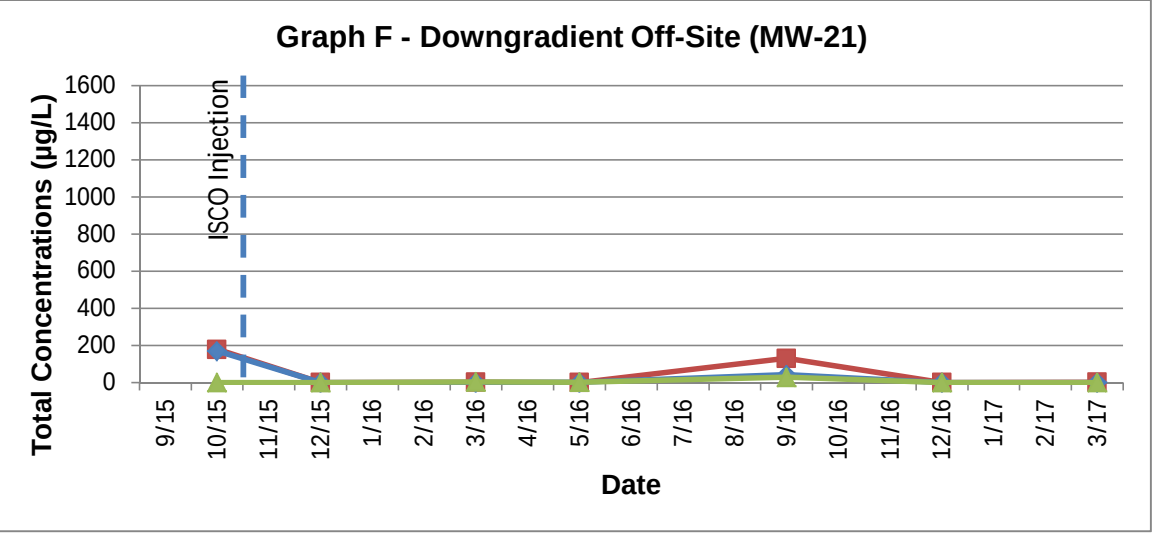
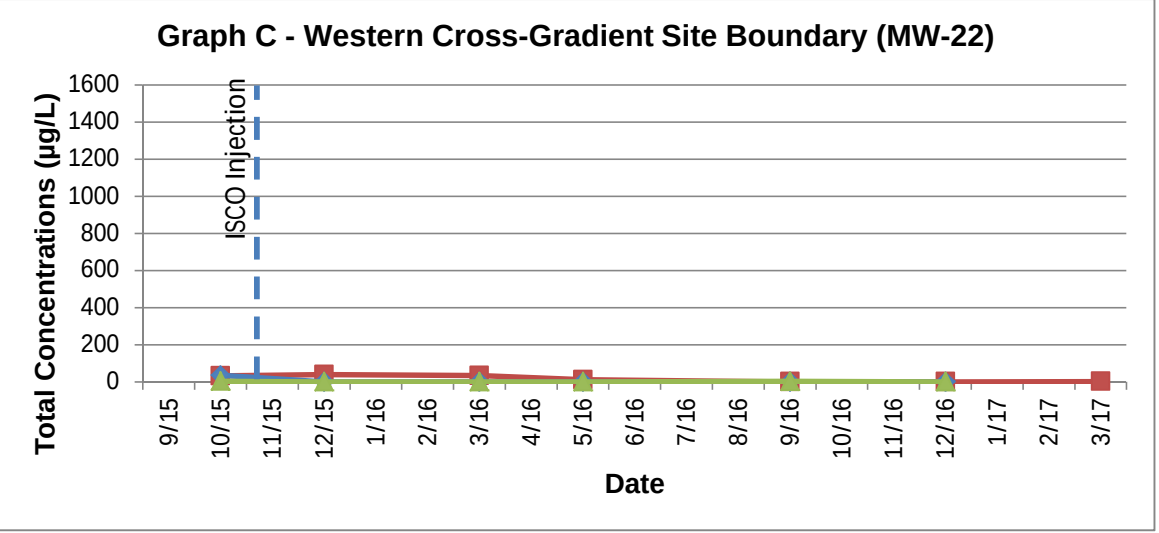
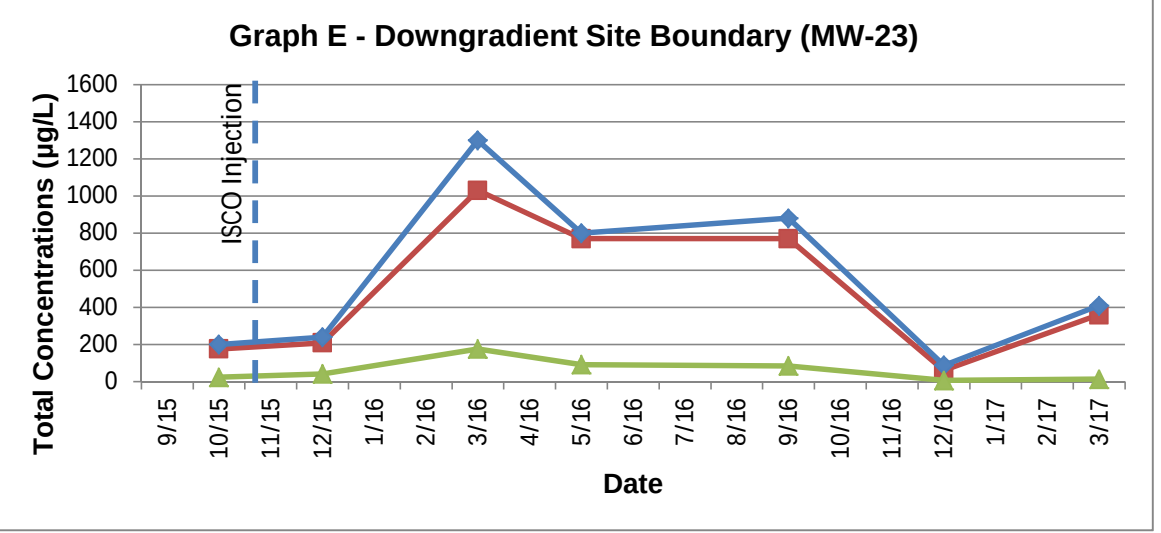
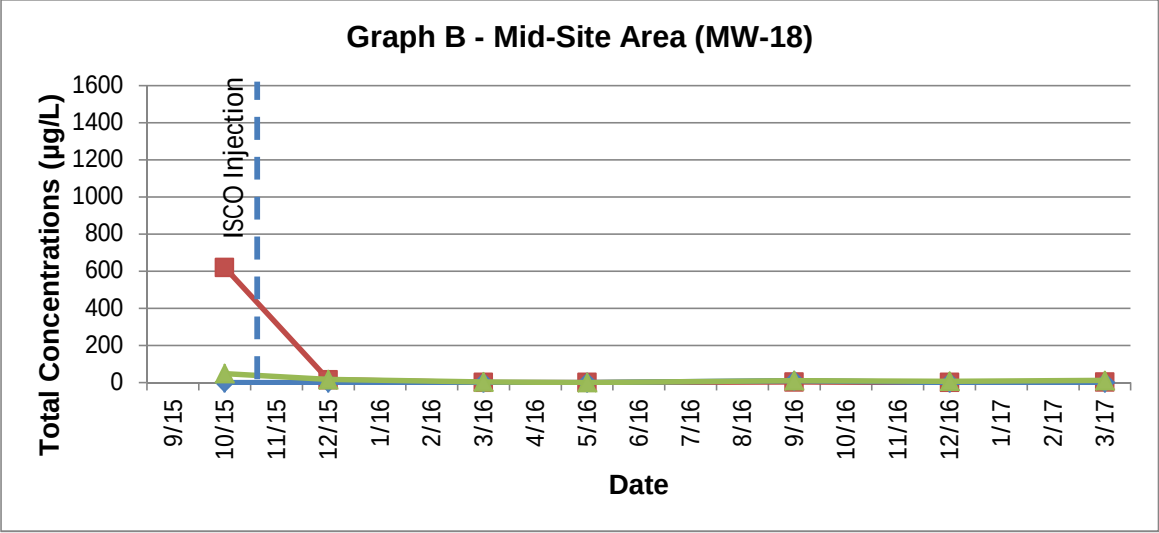
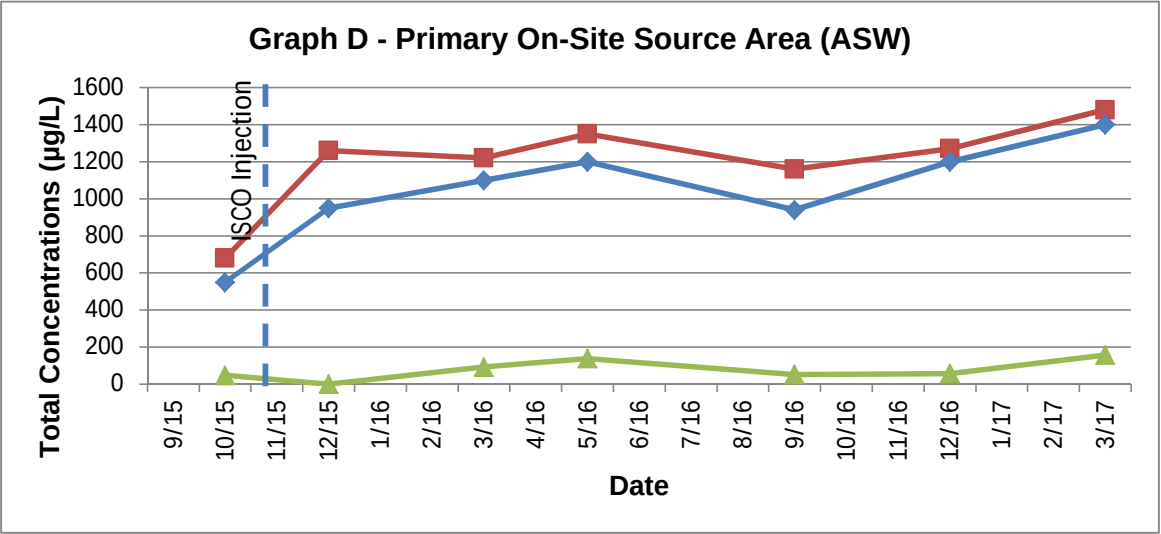
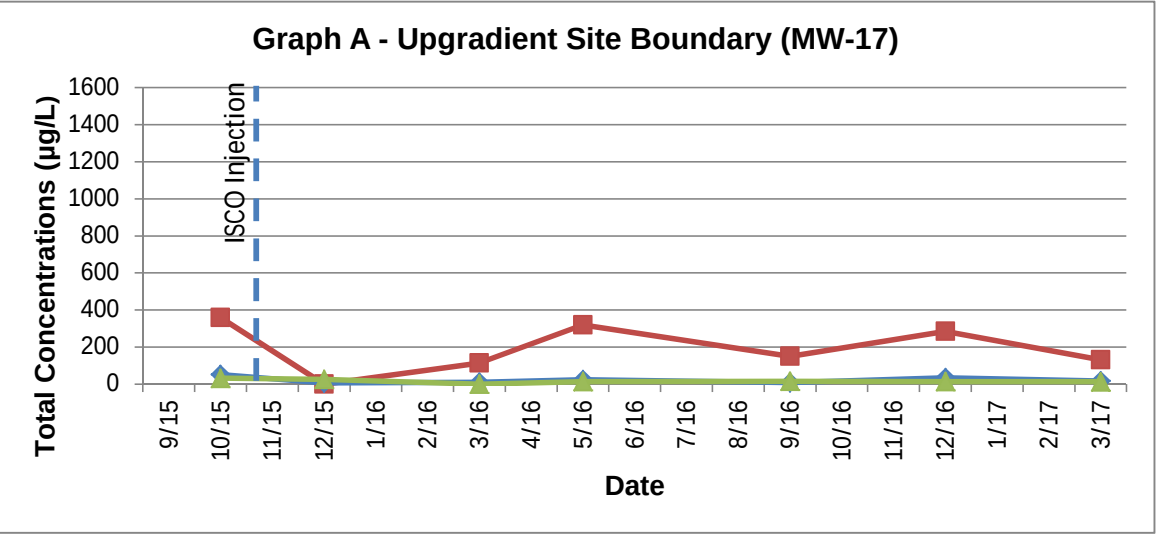
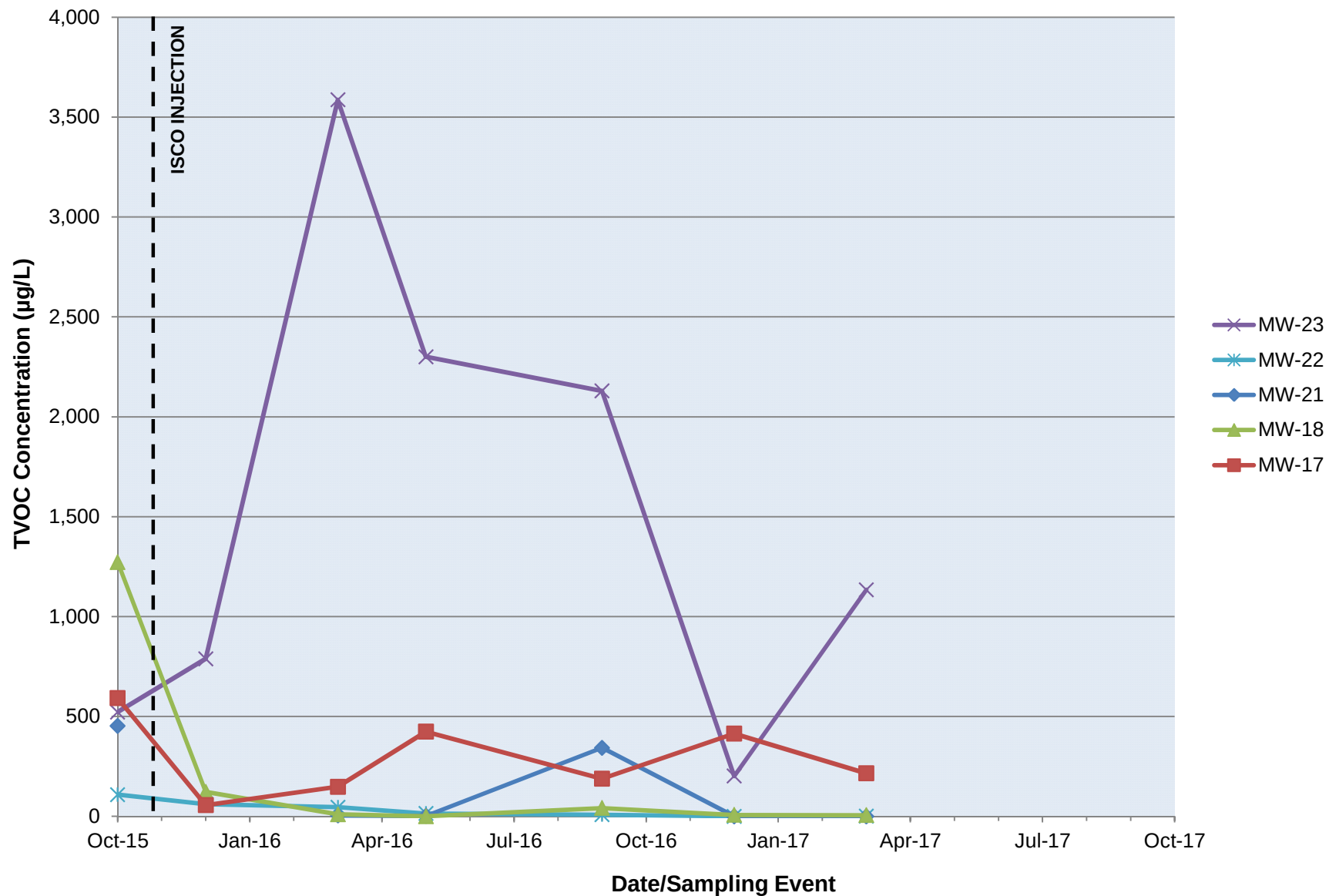


Chart 3
Post ISCO Injection Groundwater TVOC Concentration Trends - ISCO Monitoring Wells
Korkay Inc.



Appendix A

Monitoring Well Field Inspection Logs

SITE NAME: Korkay

SITE ID.: 518014

INSPECTOR: RM

DATE/TIME: 9/12/16 945

WELL ID.: ASW

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

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):

N/A
N/A

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?

Y	N
☐	☒
☐	☒
☐	☒
☒	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

11.80
7.96
2
PVC
Good
N/A
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.

In Field, no obstructions near

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: RM

DATE/TIME: 7/13/16 1030

WELL ID.: REVIEW-1

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

NEW VEN-1

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)

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

8.32
7.50
2
PVC
Good
N/A
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.

In Field, No obstructions

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: RM

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 9/13/16 1010

WELL ID.: VEW-2

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

VEW-2

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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?

Y	N
☐	☒
☐	☒
☐	☒
☒	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

8.54
7.60
2
PVC
Good
N/A
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.

In Field, No obstructions

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: EM

DATE/TIME: 9/17/16 1045

WELL ID.: VIEW-3

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)

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

VIEW-3

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

8.55
8.08
2"
PVC
Good
N/A
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.

In Field, No obstructions

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: RM

DATE/TIME: 9/13/16 940

WELL ID.: K2

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

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)

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)

PROTECTIVE CASING MATERIAL TYPE:

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

N/A	N/A
-----	-----

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?

Y	N
☐	☒
☐	☒
☐	☒
☒	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

14.22
7.30
2
PVC
Good
N/A
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.

In Field, No obstructions

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

None

REMARKS:

Sketch

SITE NAME: KorkaySITE ID.: 518014INSPECTOR: RmDATE/TIME: 9/13/16 1100WELL ID.: K3

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)

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

ASW K3

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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:

N/A
N/A

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

1052
7.93
2"
PVC
Good
N/A
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.

In Driveway near open 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

MONITORING WELL FIELD INSPECTION LOG

INSPECTOR: RMDATE/TIME: 9/13/16 1120WELL ID.: MW-85

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☒

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~RM~~ MW-85

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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?

Y	N
☐	☒
☐	☒
☐	☒
☒	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

10.63
7.55
2"
PVC
Good
N/A
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 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 pavement driveway, no obstructions

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

None

REMARKS:

No plug on well, would not fit with road cover on

Sketch

SITE NAME: Korkay

SITE ID.:

518014

INSPECTOR:

RM

DATE/TIME:

9/13/16 1115

WELL ID.:

MW-80

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☐	☒
☒	☐

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):

N/A
N/A

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?

Y	N
☐	☒
☐	☒
☐	☒
☐	☒
☐	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

55.48
28.42
2"
PVC
Good
N/A
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.

In Driveway, 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 Driveway (Paved)

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

None

REMARKS:

No plug on well, would not fit with road cover on

Sketch

SITE NAME: Korkay

SITE ID.: 518014

INSPECTOR: PM

DATE/TIME: 7/13/16 9:17

WELL ID.: MW-155

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

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).....

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)

PROTECTIVE CASING MATERIAL TYPE:

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

<u>N/A</u>
<u>N/A</u>

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

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.

Near fence, but still 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.

* Could not open well, cover sealed shut

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

No Nearby hazards

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014

INSPECTOR: EMDATE/TIME: 9/13/16 900WELL ID.: MW-150

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____
GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~AS~~ MW-150

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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):

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):

39.98

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

26.05

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.

Near Chain-link fence, but 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.

open 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: BM
 DATE/TIME: 9/13/16 1100
 WELL ID.: MW-16D

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satelites: _____
 GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~BM~~ MW-16D

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	N/A
N/A	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):

Y	N
	☒
	☒
	☒
	☒
☒	☐

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

54.50
29.50
2"
PVC
Good
N/A
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.

In Driveway Near Empty field, 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 Driveway, lots of space around

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: RM
DATE/TIME: 9/13 8:00
WELL ID.: MW-17

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satelites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

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)

PROTECTIVE CASING MATERIAL TYPE:

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

N/A
N/A

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

14.40
6.15
2"
PVC
Good
N/A
No

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, in open 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 open 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: EM

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 9/13 @ 3:30WELL ID.: MW-18

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~ASW~~ MW-18

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)

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

14.32
7.24
2"
PVC
Good
N/A
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.

In open 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: RN

DATE/TIME: 9/13/16 1150

WELL ID.: MW-19

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

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).....

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

~~ASH~~ MW-19

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):

N/A
N/A

☒	☒
☐	☒
☐	☒
☐	☒
☒	☒

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

9.59
5.03
2"
PVC
Good
N/A
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.

In between two driveways in cement, near road, would have to block traffic to drill

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 the middle of two driveways (pavement)

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: Em

DATE/TIME: 9/13/16 1145

WELL ID.: MW-20

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~10~~ MW-20

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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
N/A

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?

Y	N
☐	☒
☐	☒
☐	☒
☒	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

13.17
6.40
2
PVC
Good
N/A
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.

In shoulder of road, would have to block 1 lane of traffic for drilling, etc

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 pavement shoulder of road, no over-head utilities near

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: EMDATE/TIME: 9/13/16 1130WELL ID.: MW-21

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

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)

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)

PROTECTIVE CASING MATERIAL TYPE:

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

N/A
N/A

☒	☒
☐	☒
☐	☒
☐	☒
☒	☒

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

11.12
7.85
2"
Pvc
Good
N/A
overhead ~30' up

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 Front lawn, near Street, may have to block
section of 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.

In ~~the~~ lawn near sidewalk and street

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

MONITORING WELL FIELD INSPECTION LOG

INSPECTOR: DM

DATE/TIME: 9/13/16 930

WELL ID.: MW-22

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~MW-22~~ MW-22

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

9.28
5.93
2
PVC
Good
N/A
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, Near fence but still 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.

In 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: EM

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 9/13/16 1000

WELL ID.: MW-23

	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

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)

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):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

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, power lines ~ 20' away towards road,
 would not obstruct

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.):

None

REMARKS:

Sketch

SITE NAME: Korkay

SITE ID.: 518014

INSPECTOR: RM

DATE/TIME: 9/13/16 1200

WELL ID.: MW-24

MONITORING WELL FIELD INSPECTION LOG

WELL VISIBLE? (If not, provide directions below)

YES	NO
☒	☐

WELL COORDINATES? NYTM X _____ NYTM Y _____

PDOP Reading from Trimble Pathfinder: _____ Satellites: _____

GPS Method (circle) Trimble And/Or Magellan

WELL I.D. VISIBLE?

YES	NO
☒	☐

WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back).....

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

~~WELL~~ MW-24

SURFACE SEAL PRESENT?

YES	NO
☒	☐
☒	☐
☒	☐

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):

N/A
N/A

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?

Y	N
☐	☒
☐	☒
☐	☒
☒	☒

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):

MEASURE WELL DIAMETER (Inches):

WELL CASING MATERIAL:

PHYSICAL CONDITION OF VISIBLE WELL CASING:

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

11.20
8.08
2"
PVC
Good
N/A
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.

In side yard, easy access, some trees

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 side yard of house in grass

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT

(e.g. Gas station, salt pile, etc.):

None

REMARKS:

Sketch

Appendix B

Groundwater Sampling Records

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-85 Date: 3/17/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-85 031717 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

$\begin{array}{r} 5.35 \text{ feet} \\ 0.17 \text{ feet} \\ \hline 10.62 \text{ feet} \\ 5.27 \text{ feet} \\ \hline 0.89 \text{ gal} \\ 2.69 \text{ gal} \end{array}$

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Pump inlet set at 8'

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	0905	0910	0915	0920	0925	0930	0935	
Water Level (0.33)	feet	5.47	5.50	5.51	5.51	5.51	5.51	5.51	
Volume Purged	gal	0	0.15	0.4	0.65	0.85	1.0	1.2	
Flow Rate	mL/min	115	115	120	140	135	100	130	
Turbidity (+/- 10%)	NTU	4.2	6.57	4.71	3.73	3.51	3.40	3.27	
Dissolved Oxygen (+/- 10%)	%	87.5	71.8	73.0	77.8	76.6	78.4	75.4	
Dissolved Oxygen (+/- 10%)	mg/L	11.53	9.53	9.82	10.33	10.04	10.42	10.00	
Eh / ORP (+/- 10)	MeV	141.8	158.7	164.2	164.1	162.8	159.7	156.2	
Specific Conductance (+/- 3%)	mS/cm°	2.13	1.96	1.90	1.95	1.94	1.94	1.94	
Conductivity (+/- 3%)	mS/cm	1.24	1.14	1.10	1.14	1.14	1.13	1.13	
pH (+/- 0.1)	pH unit	7.25	6.64	6.48	6.39	6.38	6.32	6.34	
Temp (+/- 0.5)	C°	3.3	3.2	3.0	3.2	3.3	3.3	3.0	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	none	none	none	none	none	none	none	

Comments:

Purge start time: 0903

Sample collection time: 0935

Perfluoride Conc. = 0.0 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-8D Date: 3/17/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-8D 031717 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 55.20 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 26.50 feet
4. C = Column of Water in Well: 28.7 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 4.8 gal
6. 3(V) = Target Purge Volume 14.6 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings						
Time	24 hr	<u>900</u>	<u>903</u>	<u>906</u>	<u>910</u>			
Water Level (0.33)	feet	<u>26.50</u>	<u>-</u>	<u>-</u>	<u>-</u>			
Volume Purged	gal	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>			
Flow Rate	mL/min	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>			
Turbidity (+/- 10%)	NTU	<u>32.6</u>	<u>84</u>	<u>760</u>	<u>67</u>			
Dissolved Oxygen (+/- 10%)	%	<u>41.3</u>	<u>33.0</u>	<u>24.1</u>	<u>26.6</u>			
Dissolved Oxygen (+/- 10%)	mg/L	<u>4.62</u>	<u>3.70</u>	<u>32.76</u>	<u>3.27</u>			
Eh / ORP (+/- 10)	MeV	<u>211.0</u>	<u>194.9</u>	<u>193.1</u>	<u>175.6</u>			
Specific Conductance (+/- 3%)	mS/cm°	<u>0.327</u>	<u>0.289</u>	<u>0.332</u>	<u>0.378</u>			
Conductivity (+/- 3%)	mS/cm	<u>0.238</u>	<u>0.209</u>	<u>0.233</u>	<u>0.271</u>			
pH (+/- 0.1)	pH unit	<u>10.11</u>	<u>10.71</u>	<u>9.67</u>	<u>9.60</u>			
Temp (+/- 0.5)	C°	<u>10.6</u>	<u>10.5</u>	<u>9.5</u>	<u>10.2</u>			
Color	Visual	<u>clear</u>	<u>"</u>	<u>"</u>	<u>"</u>			
Odor	Olfactory	<u>No</u>	<u>"</u>	<u>"</u>	<u>"</u>			

Comments:

Purge start time: 900

Sample collection time:

percolate: 3 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW 155 Date: 3/15/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-155 03/15/17 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 9.85 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 3.08 feet
4. C = Column of Water in Well: 6.77 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 1.15 gal
6. 3(V) = Target Purge Volume 3.45 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1317	1322	1326	1332	1337	1342	1347	
Water Level (0.33)	feet	3.29	3.29	3.29	3.29	3.29	3.29	3.29	
Volume Purged	gal	0	0.03	0.12	0.20	0.30	0.40	0.50	
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	25.4	22.3	17.1	12.3	11.5	10.9	10.0	
Dissolved Oxygen (+/- 10%)	%	3.6	3.1	2.9	2.9	2.9	3.0	3.0	
Dissolved Oxygen (+/- 10%)	mg/L	0.51	0.41	0.36	0.36	0.41	0.41	0.41	
Eh / ORP (+/- 10)	MeV	265.5	232.8	223.1	208.8	198.3	191.2	187.4	
Specific Conductance (+/- 3%)	mS/cm ^c	0.397	0.390	0.387	0.392	0.377	0.371	0.369	
Conductivity (+/- 3%)	mS/cm	0.236	0.232	0.231	0.227	0.225	0.223	0.223	
pH (+/- 0.1)	pH unit	6.20	6.08	6.05	6.02	6.02	6.04	6.03	
Temp (+/- 0.5)	C ^o	4.0	3.9	3.9	3.8	4.0	4.0	4.1	
Color	Visual	clear	clear	"	"	"	"	"	
Odor	Olfactory	sulfur	sulfur	"	"	"	"	"	

Comments:

Purge start time: 1317

Sample collection time: 1347

per-sulfate: 3.0 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-15D Date: 3/15/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-15D 031517 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 40.02 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 23.72 feet
4. C = Column of Water in Well: 16.30 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 2.77 gal
6. 3(V) = Target Purge Volume 8.31 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings						
Time	24 hr	1420	1425	1430	1435	1440	1445	
Water Level (0.33)	feet	24.20	24.70	24.97	24.95	24.97	24.98	
Volume Purged	gal	0	0.1	0.2	0.25	0.30	0.35	
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	3.31	1.78	1.66	1.43	1.60	1.55	
Dissolved Oxygen (+/- 10%)	%	37.1	43.1	51.2	52.1	51.2	51.6	
Dissolved Oxygen (+/- 10%)	mg/L	4.44	8.26	6.26	6.42	6.39	6.28	
Eh / ORP (+/- 10)	MeV	167.0	151.3	150.7	151.2	151.5	151.6	
Specific Conductance (+/- 3%)	mS/cm ^c	0.153	0.149	0.145	0.152	0.152	0.152	
Conductivity (+/- 3%)	mS/cm	0.100	0.097	0.096	0.097	0.097	0.096	
pH (+/- 0.1)	pH unit	10.32	10.70	10.72	10.73	10.71	10.71	
Temp (+/- 0.5)	C ^o	6.8	6.7	6.7	6.6	6.5	6.4	
Color	Visual	Clear	Clear	Clear	"	"	"	
Odor	Olfactory	No	No	No	"	"	"	

Comments:

Purge start time: 1420

Sample collection time: 1445

pss = 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-16 Date: 3/17/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-16 031717 QA/QC Collected? N

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 54.90 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 27.70 feet
4. C = Column of Water in Well: 27.20 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 4.6 gal
6. 3(V) = Target Purge Volume 14 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	<u>953</u>	<u>1003</u>	<u>1008</u>	<u>1013</u>		
Water Level (0.33)	feet	<u>27.70</u>	<u>-</u>	<u>-</u>	<u>-</u>		
Volume Purged	gal	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>		
Flow Rate	mL/min	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>		
Turbidity (+/- 10%)	NTU	<u>37</u>	<u>10.69</u>	<u>6.49</u>	<u>6.32</u>		
Dissolved Oxygen (+/- 10%)	%	<u>20.3</u>	<u>19.2</u>	<u>13.0</u>	<u>10.0</u>		
Dissolved Oxygen (+/- 10%)	mg/L	<u>2.36</u>	<u>2.21</u>	<u>1.50</u>	<u>1.15</u>		
Eh / ORP (+/- 10)	MeV	<u>185.2</u>	<u>169.6</u>	<u>167.7</u>	<u>166.0</u>		
Specific Conductance (+/- 3%)	mS/cm°	<u>0.90</u>	<u>0.510</u>	<u>0.92</u>	<u>0.91</u>		
Conductivity (+/- 3%)	mS/cm	<u>0.62</u>	<u>0.358</u>	<u>6.63</u>	<u>0.64</u>		
pH (+/- 0.1)	pH unit	<u>11.83</u>	<u>11.91</u>	<u>11.87</u>	<u>11.87</u>		
Temp (+/- 0.5)	C°	<u>8.8</u>	<u>9.4</u>	<u>9.1</u>	<u>9.4</u>		
Color	Visual	<u>None</u>	<u>clear</u>	<u>"</u>	<u>"</u>		
Odor	Olfactory	<u>clear</u>	<u>None</u>	<u>"</u>	<u>"</u>		

Comments:

Purge start time: 953
Sample collection time: 1013

persulfate : 1.4 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number:

Korkay

60273289.00

Monitoring Well Number:

MW-17

Date:

3/15/17

Samplers:

Ross McCredy / Chris French

Sample Number:

MW-17 031517

QA/QC Collected?

No

Purging / Sampling Method:

Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:

14.40 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

3.45 feet

4. C = Column of Water in Well:

10.95 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

1.86 gal

6. 3(V) = Target Purge Volume

5.58 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using

YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	1332	1337	1342	1347	1352	1357
Water Level (0.33)	feet	4.81	3.88	3.85	3.85	3.85	3.84
Volume Purged	gal	0	0.3	0.6	0.75	1.00	1.25
Flow Rate	mL/min	150	155	155	150	150	160
Turbidity (+/- 10%)	NTU	10.08	9.62	11.14	8.21	8.31	8.54
Dissolved Oxygen (+/- 10%)	%	23.4	3.3	3.4	3.4	3.5	3.6
Dissolved Oxygen (+/- 10%)	mg/L	2.83	0.42	0.44	0.43	0.46	0.48
Eh / ORP (+/- 10)	MeV	-92.3	-105.2	-108.4	-107.2	-103.5	-102.6
Specific Conductance (+/- 3%)	mS/cm ^c	0.517	0.496	0.488	0.477	0.472	0.470
Conductivity (+/- 3%)	mS/cm	0.317	0.305	0.300	0.293	0.286	0.285
pH (+/- 0.1)	pH unit	6.77	6.61	6.59	6.58	6.58	6.58
Temp (+/- 0.5)	C ^o	4.7	4.8	4.8	4.8	4.4	4.5
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	B.H./R.G.	B.H./P.C.T.	B.H./P.C.T.	B.H./P.C.T.	B.H./P.C.T.	B.H./P.C.T.

Comments:

Purge start time: 1327

Sample collection time: 1357

PerSulfate Conc. = 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-18 Date: 3/15/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-18 031517 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

14.30 feet
0.17 feet
4.75 feet
9.88 feet
1.62 gal
4.87 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1450	1455	1500	1505	1510	1515	1520	
Water Level (0.33)	feet	4.78	4.88	4.92	4.95	4.95	4.95	4.95	
Volume Purged	gal	0	0.15	0.25	0.45	0.6	0.75	0.95	
Flow Rate	mL/min	27-285	100	100	110	105	110	100	
Turbidity (+/- 10%)	NTU	27.2	11.4	14.8	14.2	13.5	13.9	12.0	
Dissolved Oxygen (+/- 10%)	%	124.3	123.2	124.5	125.2	123.3	120.1	122.6	
Dissolved Oxygen (+/- 10%)	mg/L	16.72	17.20	17.32	17.60	18.06	18.38	18.02	
EH / ORP (+/- 10)	MeV	73.6	116.8	123.0	148.1	157.1	161.8	165.4	
Specific Conductance (+/- 3%)	mS/cm°	0.473	0.475	0.478	0.478	0.478	0.479	0.476	
Conductivity (+/- 3%)	mS/cm	0.280	0.287	0.290	0.288	0.288	0.289	0.289	
pH (+/- 0.1)	pH unit	6.83	6.63	6.62	6.63	6.62	6.61	6.61	
Temp (+/- 0.5)	C°	3.5	4.4	4.5	4.1	4.2	4.3	4.5	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	none	none	none	none	none	none	none	

Comments:

Purge start time: 1448
 Sample collection time: 1520

PerSulfate conc. = 5.6 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-12 Date: 3/15/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-12 031517 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing / 3 well Low flow

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

9.56 feet
0.17 feet
3.42 feet
6.14 feet
1.04 gal
3.13 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Pump inlet @ 7'

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1046	1051	1056	1101	1106	1111	1116	
Water Level (0.33)	feet	4.07	4.13	4.05	4.05	4.06	4.05	4.05	
Volume Purged	gal	0	0.25	0.55	0.80	0.95	1.2	1.4	
Flow Rate	mL/min	180	180	140	140	130	130	125	
Turbidity (+/- 10%)	NTU	6.6	6.16	6.08	3.94	4.60	3.60	4.12	
Dissolved Oxygen (+/- 10%)	%	45.1	7.4	6.7	6.3	6.3	6.2	6.2	
Dissolved Oxygen (+/- 10%)	mg/L	5.5	0.99	0.90	0.84	0.84	0.83	0.82	
Eh / ORP (+/- 10)	MeV	265.0	252.9	247.9	240.4	237.5	232.8	228.4	
Specific Conductance (+/- 3%)	mS/cm ^c	0.762	0.819	0.838	0.86	0.88	0.88	0.88	
Conductivity (+/- 3%)	mS/cm	0.472	0.480	0.495	0.50	0.52	0.51	0.52	
pH (+/- 0.1)	pH unit	6.87	6.88	6.91	6.92	6.93	6.94	6.93	
Temp (+/- 0.5)	C ^o	3.8	3.4	3.5	3.4	3.4	3.4	3.3	
Color	Visual	clear/black	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	none	none	none	none	none	none	none	

Comments:

Purge start time: 1045
Sample collection time: 1116

Per sulfate = 14 ppm

*2P
PFOA, 1-4 Dic, VOCs, pesticides*

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-20 Date: 3-15-17

Samplers: Ross McCredy / Chris French

Sample Number: MW-20 31517 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

15.14 feet
0.17 feet
5.20 feet
7.94 feet
1.35 gal
4.04 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	1145	1150	1155	1200	1205	
Water Level (0.33)	feet	5.38	5.40	5.45	5.45	5.45	
Volume Purged	gal	0	0.1	0.2	0.3	0.46	
Flow Rate	mL/min	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	8.77	7.34	8.51	8.16	8.02	
Dissolved Oxygen (+/- 10%)	%	70.9	72.1	69.1	69.6	69.4	
Dissolved Oxygen (+/- 10%)	mg/L	8.11	8.72	8.52	8.46	8.51	
Eh / ORP (+/- 10)	MeV	286.01	243.2	282.1	285.6	284.5	
Specific Conductance (+/- 3%)	mS/cm°	0.67	0.67	0.67	0.67	0.67	
Conductivity (+/- 3%)	mS/cm	1.05	1.05	1.04	1.04	1.05	
pH (+/- 0.1)	pH unit	7.40	7.30	7.26	7.26	7.25	
Temp (+/- 0.5)	C°	6.7	6.9	6.6	6.6	6.5	
Color	Visual	clear	clear	clear	"	"	
Odor	Olfactory	None	None	None	"	"	

Comments:

Purge start time: 1145

Sample collection time: 1205

peristaltic: 0.7

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-21 Date: 3/17/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-21 031717 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 11.14 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.84 feet
4. C = Column of Water in Well: 5.30 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 0.90 gal
6. 3(V) = Target Purge Volume 2.70 gal

Pump inlet Set at 8.5'

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	1032	1037	1042	1047	1052	
Water Level (0.33)	feet	5.99	6.01	6.01	6.01	6.01	
Volume Purged	gal	0	0.1	0.2	0.35	0.5	
Flow Rate	mL/min	85	85	80	80	90	
Turbidity (+/- 10%)	NTU	11.3	7.95	8.50	8.85	8.26	
Dissolved Oxygen (+/- 10%)	%	59.3	50.7	48.2	46.8	48.4	
Dissolved Oxygen (+/- 10%)	mg/L	7.63	6.47	6.16	6.01	6.17	
Eh / ORP (+/- 10)	MeV	166.0	162.2	158.9	156.4	155.3	
Specific Conductance (+/- 3%)	mS/cm ^c	2.74	2.78	2.81	2.86	2.85	
Conductivity (+/- 3%)	mS/cm	1.66	1.69	1.72	1.74	1.74	
pH (+/- 0.1)	pH unit	7.02	7.04	7.11	7.11	7.08	
Temp (+/- 0.5)	C ^o	4.2	4.4	4.7	4.3	4.7	
Color	Visual	clear	clear	clear	clear	clear	
Odor	Olfactory	none	none	none	none	none	

Comments:

Purge start time: 1030

Sample collection time: 1052

Perforated conc. = 1.4 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-22 Date: 3/15/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-22 031517 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

9.27 feet
0.17 feet
3.26 feet
6.02 feet
1.02 gal
3.07 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings				
Time	24 hr	1530	1535	1540	1545	1550
Water Level (0.33)	feet	3.50	3.48	3.48	3.48	3.48
Volume Purged	gal	0	0.1	0.2	0.3	0.40
Flow Rate	mL/min	<100	<100	<100	<100	<100
Turbidity (+/- 10%)	NTU	7.61	7.61	7.97	7.90	7.80
Dissolved Oxygen (+/- 10%)	%	73.6	66.2	64.3	63.2	64.7
Dissolved Oxygen (+/- 10%)	mg/L	16.26	8.99	8.76	8.51	8.61
Eh / ORP (+/- 10)	MeV	142.4	149.8	203.8	208.1	210.0
Specific Conductance (+/- 3%)	mS/cm ^c	0.258	0.338	0.362	0.372	0.375
Conductivity (+/- 3%)	mS/cm	0.160	0.194	0.207	0.215	0.217
pH (+/- 0.1)	pH unit	8.55	7.16	7.04	7.01	7.00
Temp (+/- 0.5)	C°	1.8	2.6	2.6	2.7	2.8
Color	Visual	Clear	Clear	"	"	"
Odor	Olfactory	None	None	"	"	"

Comments:

Purge start time: 1530

Sample collection time: 1556

purs - 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-23 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-23 031617 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 14.26 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.81 feet
4. C = Column of Water in Well: 8.45 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 1.43 gal
6. 3(V) = Target Purge Volume 4.31 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1401	1406	1411	1416	1421	1426	1431	
Water Level (0.33)	feet	5.91	5.91	5.91	5.91	5.91	5.91	5.91	
Volume Purged	gal	0	0.15	0.4	0.6	0.7	0.85	1.0	
Flow Rate	mL/min	130	100	110	115	100	90	85	
Turbidity (+/- 10%)	NTU	5.43	7.02	11.7	14.1	13.7	12.9	13.1	
Dissolved Oxygen (+/- 10%)	%	20.1	3.7	3.6	6.4	11.0	18.3	24.9	
Dissolved Oxygen (+/- 10%)	mg/L	2.45	0.46	0.44	0.80	1.37	2.26	3.09	
Eh / ORP (+/- 10)	MeV	-72.0	-84.7	-81.3	-76.7	-72.3	-67.9	-62.1	
Specific Conductance (+/- 3%)	mS/cm ^c	0.572	0.601	0.581	0.567	0.559	0.547	0.526	
Conductivity (+/- 3%)	mS/cm	0.368	0.385	0.375	0.367	0.361	0.352	0.335	
pH (+/- 0.1)	pH unit	6.07	6.11	6.12	6.12	6.11	6.11	6.23	
Temp (+/- 0.5)	C ^o	6.3	6.2	6.2	6.4	6.4	6.2	6.2	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	Bitter/pest	Bitter/pest	Bitter/pest	Bitter/pest	Bitter/pest	Bitter/pest	Bitter	

Comments:

Purge start time: 1400

Sample collection time: 1441

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-23 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-23 031617 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 14.26 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.81 feet
4. C = Column of Water in Well: 8.45 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 1.43 gal
6. 3(V) = Target Purge Volume 4.31 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings						
Time	24 hr	<u>1436</u>	<u>1441</u>					
Water Level (0.33)	feet	<u>5.91</u>	<u>5.91</u>					
Volume Purged	gal	<u>1.1</u>	<u>1.25</u>					
Flow Rate	mL/min	<u>85</u>	<u>90</u>					
Turbidity (+/- 10%)	NTU	<u>13.2</u>	<u>13.3</u>					
Dissolved Oxygen (+/- 10%)	%	<u>26.0</u>	<u>25.8</u>					
Dissolved Oxygen (+/- 10%)	mg/L	<u>3.28</u>	<u>3.24</u>					
Eh / ORP (+/- 10)	MeV	<u>-60.5</u>	<u>-59.1</u>					
Specific Conductance (+/- 3%)	mS/cm ^c	<u>0.520</u>	<u>0.517</u>					
Conductivity (+/- 3%)	mS/cm	<u>0.330</u>	<u>0.328</u>					
pH (+/- 0.1)	pH unit	<u>6.22</u>	<u>6.23</u>					
Temp (+/- 0.5)	C°	<u>6.0</u>	<u>6.1</u>					
Color	Visual	<u>Clear</u>	<u>Clear</u>					
Odor	Olfactory	<u>0.42/pcf</u>	<u>0.42/pcf</u>					

Comments:

Purge start time: 1400

Sample collection time: 1441

Per Sulfate Conc. = 1.4 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-24 Date: 3/17/17

Samplers: Ross McCredy / Chris French

Sample Number: MW-24 031717 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 11.20 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 6.03 feet
4. C = Column of Water in Well: 5.17 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 0.88 gal
6. 3(V) = Target Purge Volume 2.64 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1035	1040	1045	1050	1055	1100	1105	
Water Level (0.33)	feet	6.20	6.20	6.20	6.20	6.20	6.20	6.20	
Volume Purged	gal	0	0.10	0.20	0.30	0.40	0.50	0.65	
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	4.11	3.80	2.40	2.20	1.77	1.80	1.70	
Dissolved Oxygen (+/- 10%)	%	77.5	77.1	77.2	75.3	76.9	76.3	76.4	
Dissolved Oxygen (+/- 10%)	mg/L	9.81	9.53	9.70	9.54	9.66	9.59	9.63	
Eh / ORP (+/- 10)	MeV	168.7	173.9	172.5	174.4	176.5	182.4	183.7	
Specific Conductance (+/- 3%)	mS/cm ^c	0.461	0.479	0.492	0.500	0.502	0.518	0.521	
Conductivity (+/- 3%)	mS/cm	0.289	0.300	0.308	0.315	0.316	0.320	0.326	
pH (+/- 0.1)	pH unit	8.83	8.17	7.30	7.13	7.02	6.97	6.89	
Temp (+/- 0.5)	C°	5.4	5.5	5.5	5.6	5.6	5.6	5.6	
Color	Visual	None	Clear	"	"	"	"	"	
Odor	Olfactory	Clear	None	"	"	"	"	"	

Comments:

Purge start time: 1030
Sample collection time: 1105

Monitoring Well Purging / Sampling Form

Project Name and Number:

Korkay

60273289.00

Monitoring Well Number:

K-2

Date:

03/16/17

Samplers:

Ross McCredy / Chris French

Sample Number:

K-2 031617

QA/QC Collected?

No

Purging / Sampling Method:

Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:

14.20 feet

2. D = Riser Diameter (I.D.):

0.17 feet

3. W = Depth to Water:

4.87 feet

4. C = Column of Water in Well:

9.33 feet

5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$

1.58 gal

6. 3(V) = Target Purge Volume

4.76 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using

YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings						
Time	24 hr	923	928	933	938	943	948	
Water Level (0.33)	feet	5.10	5.10	5.10	5.10	5.10	5.10	
Volume Purged	gal	0	0.1	0.25	0.35	0.40	0.56	
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	52.2	35.5	28.1	26.4	28.1	27.8	
Dissolved Oxygen (+/- 10%)	%	90.9	50.2	42.7	41.9	40.9	43.1	
Dissolved Oxygen (+/- 10%)	mg/L	11.48	6.40	5.40	5.27	5.20	5.31	
Eh / ORP (+/- 10)	MeV	240.8	241.5	239.0	238.2	237.0	237.7	
Specific Conductance (+/- 3%)	mS/cm ^c	0.408	0.406	0.393	0.380	0.385	0.388	
Conductivity (+/- 3%)	mS/cm	0.287	0.256	0.247	0.245	0.242	0.239	
pH (+/- 0.1)	pH unit	6.72	6.67	6.67	6.67	6.67	6.70	
Temp (+/- 0.5)	C°	6.1	5.6	5.5	5.6	5.6	5.5	
Color	Visual	clear	"	"	"	"	"	
Odor	Olfactory	No	"	"	"	"	"	

Comments:

Purge start time:

926

Sample collection time:

948

peristaltic: 5 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: K-3 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: K-3 031617 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 10.55 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.16 feet
4. C = Column of Water in Well: 5.39 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 0.91 gal
6. 3(V) = Target Purge Volume 2.75 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings						
Time	24 hr	0745	0753	0758	1000	1008	1013	
Water Level (0.33)	feet	5.27	5.27	5.27	5.27	5.27	5.27	
Volume Purged	gal	0	0.15	0.45	0.7	0.9	1.15	
Flow Rate	mL/min	140	140	0.45	145	150	150	
Turbidity (+/- 10%)	NTU	8.00	1.62	1.64	1.90	1.43	1.39	
Dissolved Oxygen (+/- 10%)	%	82.6	77.6	77.8	72.5	77.6	77.7	
Dissolved Oxygen (+/- 10%)	mg/L	10.85	10.47	10.57	10.49	10.42	10.59	
Eh / ORP (+/- 10)	MeV	172.7	172.6	177.9	174.0	171.7	187.3	
Specific Conductance (+/- 3%)	mS/cm°	0.285	0.222	0.218	0.216	0.217	0.212	
Conductivity (+/- 3%)	mS/cm	0.167	0.132	0.130	0.128	0.129	0.125	
pH (+/- 0.1)	pH unit	6.35	6.30	6.34	6.35	6.40	6.43	
Temp (+/- 0.5)	C°	3.4	3.6	3.7	3.7	3.8	3.5	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	Metalllic	metalllic	sl. G.Hr	Sl. G.Hr	Sl. G.Hr	Sl. G.Hr	

Comments:

Purge start time: 0745
Sample collection time: 1013

Persulfate Conc. = 0.0 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: VEW-1 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: VEW-1 031617 QA/QC Collected? MS/MSD

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

8.30 feet
0.17 feet
5.10 feet
3.20 feet
0.54 gal
1.63 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	<u>1034</u>	<u>1039</u>	<u>1044</u>	<u>1049</u>	<u>1054</u>	
Water Level (0.33)	feet	<u>5.20</u>	<u>5.20</u>	<u>5.20</u>	<u>5.20</u>	<u>5.20</u>	
Volume Purged	gal	<u>6</u>	<u>0.1</u>	<u>0.25</u>	<u>0.35</u>	<u>0.45</u>	
Flow Rate	mL/min	<u><100</u>	<u><100</u>	<u><100</u>	<u><100</u>	<u><100</u>	
Turbidity (+/- 10%)	NTU	<u>11.60</u>	<u>7.20</u>	<u>3.64</u>	<u>3.02</u>	<u>3.11</u>	
Dissolved Oxygen (+/- 10%)	%	<u>60.1</u>	<u>55.3</u>	<u>38.6</u>	<u>37.4</u>	<u>37.0</u>	
Dissolved Oxygen (+/- 10%)	mg/L	<u>7.83</u>	<u>7.10</u>	<u>4.90</u>	<u>4.81</u>	<u>4.75</u>	
Eh / ORP (+/- 10)	MeV	<u>249.4</u>	<u>245.5</u>	<u>231.3</u>	<u>222.1</u>	<u>217.1</u>	
Specific Conductance (+/- 3%)	mS/cm°	<u>0.450</u>	<u>0.466</u>	<u>0.474</u>	<u>0.477</u>	<u>0.476</u>	
Conductivity (+/- 3%)	mS/cm	<u>0.260</u>	<u>0.283</u>	<u>0.292</u>	<u>0.293</u>	<u>0.294</u>	
pH (+/- 0.1)	pH unit	<u>6.71</u>	<u>6.60</u>	<u>6.55</u>	<u>6.54</u>	<u>6.53</u>	
Temp (+/- 0.5)	C°	<u>3.9</u>	<u>4.5</u>	<u>4.6</u>	<u>4.7</u>	<u>4.6</u>	
Color	Visual	<u>Clear</u>	<u>Clear</u>	<u>"</u>	<u>"</u>	<u>"</u>	
Odor	Olfactory	<u>No</u>	<u>Sulfur</u>	<u>"</u>	<u>"</u>	<u>"</u>	

Comments:

Purge start time: 1030

Sample collection time: 1054

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: VEW-2 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: VEW-2 031617 QA/QC Collected? DP-1 031617

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:
2. D = Riser Diameter (I.D.):
3. W = Depth to Water:
4. C = Column of Water in Well:
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$
6. 3(V) = Target Purge Volume

8.52 feet
0.17 feet
5.20 feet
3.32 feet
0.56 gal
1.69 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	1322	1327	1332	1337	1342	1347
Water Level (0.33)	feet	5.32	5.34	5.34	5.34	5.34	5.34
Volume Purged	gal	0	0.1	0.35	0.55	0.75	1.0
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100
Turbidity (+/- 10%)	NTU	14.1	9.21	3.09	2.00	0.91	0.87
Dissolved Oxygen (+/- 10%)	%	62.0	61.6	65.0	64.3	65.4	63.7
Dissolved Oxygen (+/- 10%)	mg/L	7.96	7.85	8.31	8.15	8.27	8.21
Eh / ORP (+/- 10)	MeV	145.2	162.0	168.5	178.5	183.3	197.3
Specific Conductance (+/- 3%)	mS/cm ^c	0.459	0.476	0.478	0.478	0.475	0.475
Conductivity (+/- 3%)	mS/cm	0.282	0.292	0.294	0.295	0.293	0.291
pH (+/- 0.1)	pH unit	6.72	6.67	6.61	6.69	6.70	6.70
Temp (+/- 0.5)	C°	4.9	4.8	4.5	4.4	4.9	4.8
Color	Visual	<10	"	"	"	"	"
Odor	Olfactory	Sulfur	"	"	"	"	"

Comments:

Purge start time: 1320

Sample collection time: 1347

per. check: 3 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: VEW-3 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: VEW-3 031617 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 8.54 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.78 feet
4. C = Column of Water in Well: 2.76 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 0.470 gal
6. 3(V) = Target Purge Volume 1.41 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1255	1300	1305	1310	1315	1320		
Water Level (0.33)	feet	5.90	5.90	5.90	5.90	5.90	5.90		
Volume Purged	gal	0	0.2	0.35	0.55	0.70	0.85		
Flow Rate	mL/min	150	100	105	115	100	105		
Turbidity (+/- 10%)	NTU	6.23	5.01	2.20	0.91	1.00	1.11		
Dissolved Oxygen (+/- 10%)	%	89.4	76.5	73.8	70.8	67.5	68.7		
Dissolved Oxygen (+/- 10%)	mg/L	11.93	9.83	9.51	8.919	7.04	8.95		
Eh / ORP (+/- 10)	MeV	156.0	152.6	146.0	140.4	139.3	133.4		
Specific Conductance (+/- 3%)	mS/cm ^c	0.209	0.206	0.205	0.205	0.209	0.207		
Conductivity (+/- 3%)	mS/cm	0.129	0.126	0.126	0.124	0.126	0.125		
pH (+/- 0.1)	pH unit	6.97	6.73	6.62	6.58	6.52	6.50		
Temp (+/- 0.5)	C ^o	4.9	4.7	4.6	4.5	4.4	4.3		
Color	Visual	clear	clear	clear	clear	clear	clear		
Odor	Olfactory	None	None	none	none	none	none		

Comments:

Purge start time: 1252

Sample collection time: 1320

Perforate conc. = 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: VEW-4 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: VEW-4 031617 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 8.21 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.46 feet
4. C = Column of Water in Well: 2.75 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 0.47 gal
6. 3(V) = Target Purge Volume 1.402 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings							
Time	24 hr	1110	1115	1120	1125	1130	1135	1140	
Water Level (0.33)	feet	5.63	5.65	5.64	5.64	5.64	5.64	5.64	
Volume Purged	gal	0	0.25	0.5	0.65	0.85	1.0	1.2	
Flow Rate	mL/min	125	150	150	105	120	120	120	
Turbidity (+/- 10%)	NTU	6.01	2.47	3.25	2.90	1.09	1.31	1.48	
Dissolved Oxygen (+/- 10%)	%	45.0	40.4	39.4	36.7	39.3	39.0	39.6	
Dissolved Oxygen (+/- 10%)	mg/L	5.74	5.36	5.27	4.91	5.17	5.35	5.24	
Eh / ORP (+/- 10)	MeV	190.8	180.3	172.5	164.7	160.6	158.9	153.8	
Specific Conductance (+/- 3%)	mS/cm ^c	0.402	0.377	0.383	0.383	0.304	0.363	0.364	
Conductivity (+/- 3%)	mS/cm	0.234	0.223	0.225	0.226	0.238	0.212	0.216	
pH (+/- 0.1)	pH unit	6.33	6.35	6.38	6.38	6.39	6.39	6.38	
Temp (+/- 0.5)	C°	3.6	3.6	3.3	3.5	3.7	3.4	3.6	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	none	none	none	none	none	none	none	

Comments:

Purge start time: 1105

Sample collection time: 1150

Persulfate conc. = 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: VEW-4 Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: VEW-4 031617 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 8.21 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.46 feet
4. C = Column of Water in Well: 2.75 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 0.47 gal
6. 3(V) = Target Purge Volume 1.402 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings					
Time	24 hr	<u>1145</u>	<u>1150</u>				
Water Level (0.33)	feet	<u>5.46</u>	<u>5.46</u>				
Volume Purged	gal	<u>1.35</u>	<u>1.55</u>				
Flow Rate	mL/min	<u>145</u>	<u>130</u>				
Turbidity (+/- 10%)	NTU	<u>1.55</u>	<u>1.43</u>				
Dissolved Oxygen (+/- 10%)	%	<u>39.6</u>	<u>39.9</u>				
Dissolved Oxygen (+/- 10%)	mg/L	<u>5.23</u>	<u>5.27</u>				
Eh / ORP (+/- 10)	MeV	<u>148.3</u>	<u>145.6</u>				
Specific Conductance (+/- 3%)	mS/cm ^c	<u>0.366</u>	<u>0.366</u>				
Conductivity (+/- 3%)	mS/cm	<u>0.218</u>	<u>0.219</u>				
pH (+/- 0.1)	pH unit	<u>6.38</u>	<u>6.38</u>				
Temp (+/- 0.5)	C°	<u>3.7</u>	<u>3.7</u>				
Color	Visual	<u>clear</u>	<u>clear</u>				
Odor	Olfactory	<u>none</u>	<u>none</u>				

Comments:

Purge start time: 1105
Sample collection time: 1150

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: ASW Date: 3/16/17

Samplers: Ross McCredy / Chris French

Sample Number: ASW 031617 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth: 11.74 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 5.55 feet
4. C = Column of Water in Well: 6.19 feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$ 1.05 gal
6. 3(V) = Target Purge Volume 3.15 gal

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.50
1.5-inch	0.125

Conversion factors to determine V given C

D (inches)	1-inch	2-inch	3-inch	4-inch	6-inch	1.5-inch
V (gal / ft)	0.041	0.163	0.37	0.65	1.5	0.088

Water Quality Readings Collected Using YSI 556 and Lamotte 2020 turbidity meter/ODO Meter

Parameter	Units	Readings						
Time	24 hr	1235	1240	1245	1250	1255	1300	
Water Level (0.33)	feet	5.72	5.72	5.72	5.72	5.72	5.72	
Volume Purged	gal	0	0.1	0.25	0.35	0.50	0.65	
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	3.28	1.87	1.32	1.32	1.22	1.09	
Dissolved Oxygen (+/- 10%)	%	3.7	1.9	1.6	2.1	1.8	1.7	
Dissolved Oxygen (+/- 10%)	mg/L	0.49	0.22	0.19	0.27	0.24	0.21	
Eh / ORP (+/- 10)	MeV	207.5	159.9	135.5	110.6	100.6	93.6	
Specific Conductance (+/- 3%)	mS/cm°	0.632	0.642	0.643	0.629	0.619	0.613	
Conductivity (+/- 3%)	mS/cm	0.400	0.413	0.411	0.408	0.405	0.398	
pH (+/- 0.1)	pH unit	6.48	6.45	6.43	6.42	6.42	6.41	
Temp (+/- 0.5)	C°	5.8	6.3	6.6	6.7	6.8	6.9	
Color	Visual	clear	"	"	"	"	"	
Odor	Olfactory	546r	"	"	"	"	"	

Comments:

Purge start time: 1230

Sample collection time: 1300

persulfate: 3.0 ppm

Appendix C

Laboratory Analytical Report

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-114768-1

Client Project/Site: Korkay, Inc. #518014

For:

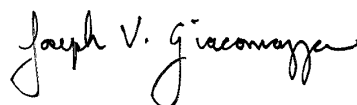
New York State D.E.C.

625 Broadway

4th Floor

Albany, New York 12233

Attn: Mr. Payson Long



Authorized for release by:

3/30/2017 12:12:54 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

judy.stone@testamericainc.com

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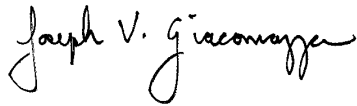
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
3/30/2017 12:12:54 PM



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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	ISTD response or retention time outside acceptable limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
E	Result exceeded calibration range.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
*	RPD of the LCS and LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
F2	MS/MSD RPD exceeds control limits

LCMS

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Job ID: 480-114768-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-114768-1

Receipt

The samples were received on 3/18/2017 12:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 7 coolers at receipt time were 0.1° C, 0.2° C, 0.5° C, 0.6° C, 0.8° C, 0.9° C and 0.9° C.

GC/MS VOA

Method(s) 8260C SIM: Surrogate recovery for the following samples was outside the upper control limit: ASW 031617 (480-114768-1), MW-23 031617 (480-114768-6), MW-15S 031517 (480-114768-14), MW-17 031517 (480-114768-15) and VEW-1 031617 (480-114768-21). These samples did not contain any target analytes; therefore, re-analysis was not performed.

Method(s) 8260C SIM: Surrogate recovery for the following matrix spike/matrix spike duplicate (MS/MSD) was outside control limits: VEW-1 031617 (480-114768-21[MS]) and VEW-1 031617 (480-114768-21[MSD]). Confirmed by similar recovery in the parent sample.

Method(s) 8260C SIM: Internal standard (ISTD) response for Fluorobenzene for the following sample was outside acceptance criteria: VEW-1 031617 (480-114768-21). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: ASW 031617 (480-114768-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-23 031617 (480-114768-6) and MW-17 031517 (480-114768-15). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: VEW-1 031617 (480-114768-21), VEW-1 031617 (480-114768-21[MS]) and VEW-1 031617 (480-114768-21[MSD]). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-348620 was outside the method criteria for the following analyte: 2,4,6-Tribromophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. VEW-4 031617 (480-114768-22).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-348620 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported. VEW-4 031617 (480-114768-22).

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-348620 recovered above the upper control limit for 2,4,5-Trichlorophenol, Carbazole and Hexachlorocyclopentadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: VEW-4 031617 (480-114768-22).

Method(s) 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-348388 recovered outside control limits for numerous analytes. VEW-4 031617 (480-114768-22).

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) recovered within acceptable limits for these analytes and have been qualified with an "E" flag. (LCS 480-348388/2-A) and (LCSD 480-348388/3-A)

Case Narrative

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Job ID: 480-114768-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-348851 recovered above the upper control limit for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol and Hexachlorocyclopentadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: ASW 031617 (480-114768-1), VEW-3 031617 (480-114768-2), VEW-2 031617 (480-114768-3), DUP-01 031617 (480-114768-4), MW-23 031617 (480-114768-6), MW-8D 031717 (480-114768-7), MW-8S 031717 (480-114768-8), MW-16D 031717 (480-114768-9), MW-21 031717 (480-114768-10), MW-24 031717 (480-114768-11), MW-20 031517 (480-114768-12), MW-19 031517 (480-114768-13), MW-15S 031517 (480-114768-14), MW-17 031517 (480-114768-15), MW-15D 031517 (480-114768-16), MW-18 031517 (480-114768-17), MW-22 031517 (480-114768-18), K-2 031617 (480-114768-19) and VEW-1 031617 (480-114768-21).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-348191 and analytical batch 480-348851 recovered outside control limits for the following analytes: 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4-Nitroaniline and Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. ASW 031617 (480-114768-1), VEW-3 031617 (480-114768-2), VEW-2 031617 (480-114768-3), DUP-01 031617 (480-114768-4), MW-23 031617 (480-114768-6), MW-8D 031717 (480-114768-7), MW-8S 031717 (480-114768-8), MW-16D 031717 (480-114768-9), MW-21 031717 (480-114768-10), MW-24 031717 (480-114768-11), MW-20 031517 (480-114768-12), MW-19 031517 (480-114768-13), MW-15S 031517 (480-114768-14), MW-17 031517 (480-114768-15), MW-15D 031517 (480-114768-16), MW-18 031517 (480-114768-17), MW-22 031517 (480-114768-18), K-2 031617 (480-114768-19) and VEW-1 031617 (480-114768-21).

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: ASW 031617 (480-114768-1) and MW-23 031617 (480-114768-6). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: ASW 031617 (480-114768-1), MW-23 031617 (480-114768-6), MW-15S 031517 (480-114768-14), MW-17 031517 (480-114768-15), MW-18 031517 (480-114768-17), VEW-1 031617 (480-114768-21), VEW-1 031617 (480-114768-21[MS]) and VEW-1 031617 (480-114768-21[MSD]). These results have been reported and qualified.

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) recovered within acceptable limits for these analytes and have been qualified with an "E" flag. (LCS 480-348191/2-A)

Method(s) 8270D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-348191 and analytical batch 480-348851 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-349172 recovered above the upper control limit for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol and Hexachlorocyclopentadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: K-3 031617 (480-114768-20).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-348191 and analytical batch 480-349172 recovered outside control limits for the following analytes: 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4-Nitroaniline and Atrazine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. K-3 031617 (480-114768-20).

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

GC Semi VOA

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: ASW 031617 (480-114768-1). As such, surrogate recoveries are below the calibration range and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: MW-23 031617 (480-114768-6), VEW-1 031617 (480-114768-21), VEW-1 031617 (480-114768-21[MS]) and VEW-1 031617 (480-114768-21[MSD]). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Case Narrative

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Job ID: 480-114768-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-348196 and analytical batch 480-348375 was outside control limits. The individual spike recoveries were within acceptance limits. The data has been qualified and reported.

Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: MW-17 031517 (480-114768-15). As such, surrogate recoveries are below the calibration range, estimated, and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-22 031517 (480-114768-18). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following sample was diluted due to an abundance of target analytes: K-2 031617 (480-114768-19). As such, surrogate recoveries are below the calibration range, estimated, and not representative. Elevated reporting limits (RLs) are provided.

Method(s) 8081B: All primary data for analytical batch 348375 is reported from the RTX-CLPI column, while all primary data for analytical batch 348558 is reported from the RTX-CLPII column.

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

LCMS

Method(s) PFAS: Due to the high concentration of Perfluorooctanesulfonic acid (PFOS), the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 320-155642 and analytical batch 320-156017 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method(s) PFAS: The following samples were analyzed by the direct injection method following TestAmerica Sacramento's Standard Operating Procedure (SOP), WS-LC-0025 Rev. 2.2 "Per- and Polyfluorinated Substances (PFAS) in Water, Soils, Sediments and Tissue": VEW-1 031617 (480-114768-21), VEW-1 031617 (480-114768-21[MS]), VEW-1 031617 (480-114768-21[MSD]), VEW-4 031617 (480-114768-22), (CCV 320-155852/1), (CCV 320-155852/12), (CCV 320-155852/18), (LCS 320-155642/2-A) and (MB 320-155642/1-A)

Method(s) PFAS: The following samples were analyzed by the direct injection method following TestAmerica Sacramento's Standard Operating Procedure (SOP), WS-LC-0025 Rev. 2.2 "Per- and Polyfluorinated Substances (PFAS) in Water, Soils, Sediments and Tissue": ASW 031617 (480-114768-1), VEW-3 031617 (480-114768-2), VEW-2 031617 (480-114768-3), DUP-01 031617 (480-114768-4), AMBIENT BLANK 031617 (480-114768-5), MW-23 031617 (480-114768-6), MW-8D 031717 (480-114768-7), MW-8S 031717 (480-114768-8), MW-16D 031717 (480-114768-9), MW-21 031717 (480-114768-10), MW-24 031717 (480-114768-11), MW-20 031517 (480-114768-12), MW-19 031517 (480-114768-13), MW-15S 031517 (480-114768-14), MW-17 031517 (480-114768-15), MW-15D 031517 (480-114768-16), MW-18 031517 (480-114768-17), MW-22 031517 (480-114768-18), K-2 031617 (480-114768-19), K-3 031617 (480-114768-20), (CCV 320-155853/1), (CCV 320-155853/12), (CCV 320-155853/23), (CCV 320-155853/27), (LCS 320-155643/2-A), (LCSD 320-155643/3-A) and (MB 320-155643/1-A)

Method(s) PFAS: The following samples were analyzed by the direct injection method following TestAmerica Sacramento's Standard Operating Procedure (SOP), WS-LC-0025 Rev. 2.2 "Per- and Polyfluorinated Substances (PFAS) in Water, Soils, Sediments and Tissue": ASW 031617 (480-114768-1), VEW-3 031617 (480-114768-2), VEW-2 031617 (480-114768-3), DUP-01 031617 (480-114768-4), MW-21 031717 (480-114768-10), K-2 031617 (480-114768-19), VEW-1 031617 (480-114768-21), VEW-1 031617 (480-114768-21[MS]), VEW-1 031617 (480-114768-21[MSD]), VEW-4 031617 (480-114768-22), (CCV 320-156017/1) and (CCV 320-156017/13)

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

Organic Prep

Method(s) PFAS Prep: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-155643.

Method(s) PFAS Prep: Sediment and orange color ASW 031617 (480-114768-1), MW-23 031617 (480-114768-6), MW-15S 031517 (480-114768-14) and MW-17 031517 (480-114768-15)

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate

Case Narrative

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Job ID: 480-114768-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

(MS/MSD/DUP) associated with preparation batch 480-348388.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate
(MS/MSD/DUP) associated with preparation batch 480-348385.

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

VOA Prep

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

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: ASW 031617

Lab Sample ID: 480-114768-1

Date Collected: 03/16/17 13:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 05:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 144					03/26/17 05:19	1
4-Bromofluorobenzene	397	X	72 - 133					03/26/17 05:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			03/20/17 12:10	20
1,1,1-Trichloroethane	ND		20	16	ug/L			03/20/17 12:10	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			03/20/17 12:10	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			03/20/17 12:10	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/20/17 12:10	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/20/17 12:10	20
1,1-Dichloroethene	ND		20	5.8	ug/L			03/20/17 12:10	20
1,1-Dichloropropene	ND		20	14	ug/L			03/20/17 12:10	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			03/20/17 12:10	20
1,2,3-Trichloropropane	ND		20	18	ug/L			03/20/17 12:10	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/20/17 12:10	20
1,2,4-Trimethylbenzene	1100		20	15	ug/L			03/20/17 12:10	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/20/17 12:10	20
1,2-Dibromoethane	ND		20	15	ug/L			03/20/17 12:10	20
1,2-Dichlorobenzene	34		20	16	ug/L			03/20/17 12:10	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/20/17 12:10	20
1,2-Dichloropropane	ND		20	14	ug/L			03/20/17 12:10	20
1,3,5-Trimethylbenzene	380		20	15	ug/L			03/20/17 12:10	20
1,3-Dichlorobenzene	ND		20	16	ug/L			03/20/17 12:10	20
1,3-Dichloropropane	ND		20	15	ug/L			03/20/17 12:10	20
1,4-Dichlorobenzene	ND		20	17	ug/L			03/20/17 12:10	20
2,2-Dichloropropane	ND		20	8.0	ug/L			03/20/17 12:10	20
2-Butanone (MEK)	ND		200	26	ug/L			03/20/17 12:10	20
2-Chlorotoluene	ND		20	17	ug/L			03/20/17 12:10	20
2-Hexanone	ND		100	25	ug/L			03/20/17 12:10	20
4-Chlorotoluene	ND		20	17	ug/L			03/20/17 12:10	20
4-Isopropyltoluene	54		20	6.2	ug/L			03/20/17 12:10	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			03/20/17 12:10	20
Acetone	ND		200	60	ug/L			03/20/17 12:10	20
Benzene	ND		20	8.2	ug/L			03/20/17 12:10	20
Bromobenzene	ND		20	16	ug/L			03/20/17 12:10	20
Bromodichloromethane	ND		20	7.8	ug/L			03/20/17 12:10	20
Bromoform	ND		20	5.2	ug/L			03/20/17 12:10	20
Bromomethane	ND		20	14	ug/L			03/20/17 12:10	20
Carbon disulfide	11 J		20	3.8	ug/L			03/20/17 12:10	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/20/17 12:10	20
Chlorobenzene	ND		20	15	ug/L			03/20/17 12:10	20
Chlorobromomethane	ND		20	17	ug/L			03/20/17 12:10	20
Chloroethane	ND		20	6.4	ug/L			03/20/17 12:10	20
Chloroform	ND		20	6.8	ug/L			03/20/17 12:10	20
Chloromethane	ND		20	7.0	ug/L			03/20/17 12:10	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			03/20/17 12:10	20

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: ASW 031617

Lab Sample ID: 480-114768-1

Date Collected: 03/16/17 13:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/20/17 12:10	20
Cyclohexane	ND		20	3.6	ug/L			03/20/17 12:10	20
Dibromochloromethane	ND		20	6.4	ug/L			03/20/17 12:10	20
Dibromomethane	ND		20	8.2	ug/L			03/20/17 12:10	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/20/17 12:10	20
Ethylbenzene	160		20	15	ug/L			03/20/17 12:10	20
Hexachlorobutadiene	ND		20	5.6	ug/L			03/20/17 12:10	20
Iodomethane	ND		20	6.0	ug/L			03/20/17 12:10	20
Isopropylbenzene	57		20	16	ug/L			03/20/17 12:10	20
m,p-Xylene	860		40	13	ug/L			03/20/17 12:10	20
Methyl acetate	ND		50	26	ug/L			03/20/17 12:10	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			03/20/17 12:10	20
Methylcyclohexane	33		20	3.2	ug/L			03/20/17 12:10	20
Methylene Chloride	ND		20	8.8	ug/L			03/20/17 12:10	20
Naphthalene	120		20	8.6	ug/L			03/20/17 12:10	20
n-Butylbenzene	95		20	13	ug/L			03/20/17 12:10	20
N-Propylbenzene	100		20	14	ug/L			03/20/17 12:10	20
o-Xylene	530		20	15	ug/L			03/20/17 12:10	20
sec-Butylbenzene	46		20	15	ug/L			03/20/17 12:10	20
Styrene	16 J		20	15	ug/L			03/20/17 12:10	20
tert-Butylbenzene	ND		20	16	ug/L			03/20/17 12:10	20
Tetrachloroethene	37		20	7.2	ug/L			03/20/17 12:10	20
Toluene	ND		20	10	ug/L			03/20/17 12:10	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/20/17 12:10	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/20/17 12:10	20
Trichloroethene	ND		20	9.2	ug/L			03/20/17 12:10	20
Trichlorofluoromethane	ND		20	18	ug/L			03/20/17 12:10	20
Vinyl acetate	ND		100	17	ug/L			03/20/17 12:10	20
Vinyl chloride	ND		20	18	ug/L			03/20/17 12:10	20
Xylenes, Total	1400		40	13	ug/L			03/20/17 12:10	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/20/17 12:10	20
4-Bromofluorobenzene (Surr)	101		73 - 120		03/20/17 12:10	20
Dibromofluoromethane (Surr)	103		75 - 123		03/20/17 12:10	20
Toluene-d8 (Surr)	99		80 - 120		03/20/17 12:10	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,4,6-Trichlorophenol	ND *		25	3.1	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,4-Dichlorophenol	ND		25	2.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,4-Dimethylphenol	5.6 J		25	2.5	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,4-Dinitrophenol	ND		50	11	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,4-Dinitrotoluene	ND *		25	2.2	ug/L		03/21/17 07:27	03/25/17 19:32	5
2,6-Dinitrotoluene	ND *		25	2.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
2-Chloronaphthalene	ND		25	2.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
2-Chlorophenol	ND		25	2.7	ug/L		03/21/17 07:27	03/25/17 19:32	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: ASW 031617

Lab Sample ID: 480-114768-1

Date Collected: 03/16/17 13:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		25	2.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
2-Methylnaphthalene	36		25	3.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
2-Nitroaniline	ND		50	2.1	ug/L		03/21/17 07:27	03/25/17 19:32	5
2-Nitrophenol	ND		25	2.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
3-Nitroaniline	ND		50	2.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Bromophenyl phenyl ether	ND		25	2.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Chloro-3-methylphenol	ND		25	2.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Chloroaniline	ND		25	3.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Chlorophenyl phenyl ether	ND		25	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Methylphenol	18 J		50	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Nitroaniline	ND *		50	1.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
4-Nitrophenol	ND		50	7.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
Acenaphthene	ND		25	2.1	ug/L		03/21/17 07:27	03/25/17 19:32	5
Acenaphthylene	ND		25	1.9	ug/L		03/21/17 07:27	03/25/17 19:32	5
Acetophenone	ND		25	2.7	ug/L		03/21/17 07:27	03/25/17 19:32	5
Anthracene	ND		25	1.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
Atrazine	ND *		25	2.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
Benzaldehyde	ND		25	1.3	ug/L		03/21/17 07:27	03/25/17 19:32	5
Benzo(a)anthracene	ND		25	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
Benzo(a)pyrene	ND		25	2.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		03/21/17 07:27	03/25/17 19:32	5
Benzo(g,h,i)perylene	ND		25	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
Benzo(k)fluoranthene	ND		25	3.7	ug/L		03/21/17 07:27	03/25/17 19:32	5
Bis(2-chloroethoxy)methane	ND		25	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		03/21/17 07:27	03/25/17 19:32	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
Caprolactam	ND		25	11	ug/L		03/21/17 07:27	03/25/17 19:32	5
Carbazole	ND		25	1.5	ug/L		03/21/17 07:27	03/25/17 19:32	5
Chrysene	ND		25	1.7	ug/L		03/21/17 07:27	03/25/17 19:32	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		03/21/17 07:27	03/25/17 19:32	5
Di-n-butyl phthalate	3.0 J		25	1.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
Di-n-octyl phthalate	ND		25	2.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
Dibenzofuran	ND		50	2.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
Diethyl phthalate	ND		25	1.1	ug/L		03/21/17 07:27	03/25/17 19:32	5
Dimethyl phthalate	ND		25	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
Fluoranthene	ND		25	2.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
Fluorene	ND		25	1.8	ug/L		03/21/17 07:27	03/25/17 19:32	5
Hexachlorobenzene	ND		25	2.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
Hexachlorobutadiene	ND		25	3.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
Hexachlorocyclopentadiene	ND		25	3.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
Hexachloroethane	ND		25	3.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
Indeno(1,2,3-cd)pyrene	ND		25	2.4	ug/L		03/21/17 07:27	03/25/17 19:32	5
Isophorone	ND		25	2.2	ug/L		03/21/17 07:27	03/25/17 19:32	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		03/21/17 07:27	03/25/17 19:32	5
N-Nitrosodiphenylamine	ND		25	2.6	ug/L		03/21/17 07:27	03/25/17 19:32	5
Naphthalene	89		25	3.8	ug/L		03/21/17 07:27	03/25/17 19:32	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: ASW 031617

Lab Sample ID: 480-114768-1

Date Collected: 03/16/17 13:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		25	1.5	ug/L		03/21/17 07:27	03/25/17 19:32	5
Pentachlorophenol	ND		50	11	ug/L		03/21/17 07:27	03/25/17 19:32	5
Phenanthrene	ND		25	2.2	ug/L		03/21/17 07:27	03/25/17 19:32	5
Phenol	ND		25	2.0	ug/L		03/21/17 07:27	03/25/17 19:32	5
Pyrene	ND		25	1.7	ug/L		03/21/17 07:27	03/25/17 19:32	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	104		46 - 120	03/21/17 07:27	03/25/17 19:32	5
Phenol-d5	63		22 - 120	03/21/17 07:27	03/25/17 19:32	5
p-Terphenyl-d14	60		59 - 136	03/21/17 07:27	03/25/17 19:32	5
2,4,6-Tribromophenol	126	X	41 - 120	03/21/17 07:27	03/25/17 19:32	5
2-Fluorobiphenyl	95		48 - 120	03/21/17 07:27	03/25/17 19:32	5
2-Fluorophenol	74		35 - 120	03/21/17 07:27	03/25/17 19:32	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.50	0.092	ug/L		03/21/17 07:45	03/22/17 12:49	10
4,4'-DDE	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 12:49	10
4,4'-DDT	ND		0.50	0.11	ug/L		03/21/17 07:45	03/22/17 12:49	10
Aldrin	ND		0.50	0.081	ug/L		03/21/17 07:45	03/22/17 12:49	10
alpha-BHC	0.14	J	0.50	0.077	ug/L		03/21/17 07:45	03/22/17 12:49	10
alpha-Chlordane	ND		0.50	0.15	ug/L		03/21/17 07:45	03/22/17 12:49	10
beta-BHC	ND		0.50	0.25	ug/L		03/21/17 07:45	03/22/17 12:49	10
delta-BHC	ND		0.50	0.10	ug/L		03/21/17 07:45	03/22/17 12:49	10
Dieldrin	ND		0.50	0.098	ug/L		03/21/17 07:45	03/22/17 12:49	10
Endosulfan I	ND		0.50	0.11	ug/L		03/21/17 07:45	03/22/17 12:49	10
Endosulfan II	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 12:49	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		03/21/17 07:45	03/22/17 12:49	10
Endrin	ND		0.50	0.14	ug/L		03/21/17 07:45	03/22/17 12:49	10
Endrin aldehyde	ND		0.50	0.16	ug/L		03/21/17 07:45	03/22/17 12:49	10
Endrin ketone	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 12:49	10
gamma-BHC (Lindane)	ND		0.50	0.080	ug/L		03/21/17 07:45	03/22/17 12:49	10
gamma-Chlordane	ND		0.50	0.11	ug/L		03/21/17 07:45	03/22/17 12:49	10
Heptachlor	ND		0.50	0.085	ug/L		03/21/17 07:45	03/22/17 12:49	10
Heptachlor epoxide	ND		0.50	0.074	ug/L		03/21/17 07:45	03/22/17 12:49	10
Methoxychlor	ND		0.50	0.14	ug/L		03/21/17 07:45	03/22/17 12:49	10
Toxaphene	ND		5.0	1.2	ug/L		03/21/17 07:45	03/22/17 12:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	03/21/17 07:45	03/22/17 12:49	10
DCB Decachlorobiphenyl	0	X	20 - 120	03/21/17 07:45	03/22/17 12:49	10
Tetrachloro-m-xylene	144	X	44 - 120	03/21/17 07:45	03/22/17 12:49	10
Tetrachloro-m-xylene	128	X	44 - 120	03/21/17 07:45	03/22/17 12:49	10

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 03:51	1
Perfluorohexanesulfonic acid (PFHxS)	5.4		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 03:51	1
Perfluoroheptanoic acid (PFHpA)	11		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 03:51	1
Perfluorooctanoic acid (PFOA)	21		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 03:51	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: ASW 031617

Lab Sample ID: 480-114768-1

Date Collected: 03/16/17 13:00

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	5.0		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 03:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	89		25 - 150				03/20/17 08:49	03/21/17 03:51	1
13C4-PFHpA	81		25 - 150				03/20/17 08:49	03/21/17 03:51	1
13C4 PFOA	88		25 - 150				03/20/17 08:49	03/21/17 03:51	1
13C5 PFNA	88		25 - 150				03/20/17 08:49	03/21/17 03:51	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	310		10	6.4	ng/L		03/20/17 08:49	03/21/17 22:02	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	105		25 - 150				03/20/17 08:49	03/21/17 22:02	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-3 031617

Lab Sample ID: 480-114768-2

Date Collected: 03/16/17 13:20

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/25/17 22:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		71 - 144					03/25/17 22:09	1
4-Bromofluorobenzene	100		72 - 133					03/25/17 22:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/20/17 12:33	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/17 12:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/17 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/20/17 12:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/17 12:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/17 12:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/17 12:33	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/20/17 12:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 12:33	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/20/17 12:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 12:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/20/17 12:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/17 12:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/20/17 12:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/17 12:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/17 12:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/17 12:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/20/17 12:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/17 12:33	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/20/17 12:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/17 12:33	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/20/17 12:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/17 12:33	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/20/17 12:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/17 12:33	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/20/17 12:33	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/20/17 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/17 12:33	1
Acetone	3.2 J		10	3.0	ug/L			03/20/17 12:33	1
Benzene	ND		1.0	0.41	ug/L			03/20/17 12:33	1
Bromobenzene	ND		1.0	0.80	ug/L			03/20/17 12:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/17 12:33	1
Bromoform	ND		1.0	0.26	ug/L			03/20/17 12:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/17 12:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/17 12:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/17 12:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/17 12:33	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/20/17 12:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/17 12:33	1
Chloroform	ND		1.0	0.34	ug/L			03/20/17 12:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/17 12:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/17 12:33	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-3 031617

Lab Sample ID: 480-114768-2

Date Collected: 03/16/17 13:20

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/17 12:33	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/17 12:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/20/17 12:33	1
Dibromomethane	ND		1.0	0.41	ug/L			03/20/17 12:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/17 12:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/17 12:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/20/17 12:33	1
Iodomethane	ND		1.0	0.30	ug/L			03/20/17 12:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/17 12:33	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/20/17 12:33	1
Methyl acetate	ND		2.5	1.3	ug/L			03/20/17 12:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/17 12:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/17 12:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/17 12:33	1
Naphthalene	ND		1.0	0.43	ug/L			03/20/17 12:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/20/17 12:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/20/17 12:33	1
o-Xylene	ND		1.0	0.76	ug/L			03/20/17 12:33	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/20/17 12:33	1
Styrene	ND		1.0	0.73	ug/L			03/20/17 12:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/20/17 12:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/17 12:33	1
Toluene	ND		1.0	0.51	ug/L			03/20/17 12:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/17 12:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/17 12:33	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/17 12:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/17 12:33	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/20/17 12:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/17 12:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/17 12:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/20/17 12:33	1
4-Bromofluorobenzene (Surr)	110		73 - 120		03/20/17 12:33	1
Dibromofluoromethane (Surr)	104		75 - 123		03/20/17 12:33	1
Toluene-d8 (Surr)	103		80 - 120		03/20/17 12:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 20:01	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:01	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:01	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 20:01	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 20:01	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-3 031617

Lab Sample ID: 480-114768-2

Date Collected: 03/16/17 13:20

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:01	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 20:01	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 20:01	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 20:01	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:01	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 20:01	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 20:01	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 20:01	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 20:01	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 20:01	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 20:01	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 20:01	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 20:01	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 20:01	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:01	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:01	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 20:01	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:01	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 20:01	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:01	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:01	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 20:01	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 20:01	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 20:01	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 20:01	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 20:01	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 20:01	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 20:01	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:01	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 20:01	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 20:01	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:01	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:01	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:01	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:01	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 20:01	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:01	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:01	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:01	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 20:01	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 20:01	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:01	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 20:01	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-3 031617

Lab Sample ID: 480-114768-2

Date Collected: 03/16/17 13:20

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 20:01	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:01	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 20:01	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 20:01	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 120	03/21/17 07:27	03/25/17 20:01	1
Phenol-d5	52		22 - 120	03/21/17 07:27	03/25/17 20:01	1
p-Terphenyl-d14	106		59 - 136	03/21/17 07:27	03/25/17 20:01	1
2,4,6-Tribromophenol	108		41 - 120	03/21/17 07:27	03/25/17 20:01	1
2-Fluorobiphenyl	99		48 - 120	03/21/17 07:27	03/25/17 20:01	1
2-Fluorophenol	70		35 - 120	03/21/17 07:27	03/25/17 20:01	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 13:08	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:08	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:08	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 13:08	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 13:08	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 13:08	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 13:08	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 13:08	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 13:08	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:08	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:08	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 13:08	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 13:08	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 13:08	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:08	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 13:08	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:08	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 13:08	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 13:08	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 13:08	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		20 - 120	03/21/17 07:45	03/22/17 13:08	1
DCB Decachlorobiphenyl	65		20 - 120	03/21/17 07:45	03/22/17 13:08	1
Tetrachloro-m-xylene	88		44 - 120	03/21/17 07:45	03/22/17 13:08	1
Tetrachloro-m-xylene	89		44 - 120	03/21/17 07:45	03/22/17 13:08	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	2.0		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 04:09	1
Perfluorohexanesulfonic acid (PFHxS)	21		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 04:09	1
Perfluoroheptanoic acid (PFHpA)	11		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 04:09	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-3 031617

Lab Sample ID: 480-114768-2

Date Collected: 03/16/17 13:20

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	130		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 04:09	1
Perfluorononanoic acid (PFNA)	4.3		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 04:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	99		25 - 150				03/20/17 08:49	03/21/17 04:09	1
13C4-PFHpA	112		25 - 150				03/20/17 08:49	03/21/17 04:09	1
13C4 PFOA	103		25 - 150				03/20/17 08:49	03/21/17 04:09	1
13C5 PFNA	106		25 - 150				03/20/17 08:49	03/21/17 04:09	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	960		20	13	ng/L		03/20/17 08:49	03/21/17 19:35	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	92		25 - 150				03/20/17 08:49	03/21/17 19:35	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-2 031617

Lab Sample ID: 480-114768-3

Date Collected: 03/16/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/25/17 22:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 144					03/25/17 22:32	1
4-Bromofluorobenzene	105		72 - 133					03/25/17 22:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 01:18	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 01:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 01:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 01:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 01:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 01:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 01:18	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 01:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 01:18	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 01:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 01:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 01:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 01:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 01:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 01:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 01:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 01:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 01:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 01:18	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 01:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 01:18	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 01:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 01:18	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 01:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 01:18	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 01:18	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 01:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 01:18	1
Acetone	3.0 J		10	3.0	ug/L			03/21/17 01:18	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 01:18	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 01:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 01:18	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 01:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 01:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 01:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 01:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 01:18	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 01:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 01:18	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 01:18	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 01:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 01:18	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-2 031617

Lab Sample ID: 480-114768-3

Date Collected: 03/16/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 01:18	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 01:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 01:18	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 01:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 01:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 01:18	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 01:18	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 01:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 01:18	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 01:18	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 01:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 01:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 01:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 01:18	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 01:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 01:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 01:18	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 01:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 01:18	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 01:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 01:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 01:18	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 01:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 01:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 01:18	1
Trichloroethene	1.1		1.0	0.46	ug/L			03/21/17 01:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 01:18	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 01:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 01:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/21/17 01:18	1
4-Bromofluorobenzene (Surr)	102		73 - 120		03/21/17 01:18	1
Dibromofluoromethane (Surr)	103		75 - 123		03/21/17 01:18	1
Toluene-d8 (Surr)	101		80 - 120		03/21/17 01:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 20:29	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:29	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:29	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 20:29	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 20:29	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-2 031617

Lab Sample ID: 480-114768-3

Date Collected: 03/16/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:29	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 20:29	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 20:29	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 20:29	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:29	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 20:29	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 20:29	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 20:29	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 20:29	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 20:29	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 20:29	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 20:29	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 20:29	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 20:29	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:29	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:29	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 20:29	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:29	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 20:29	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:29	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:29	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 20:29	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 20:29	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 20:29	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 20:29	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 20:29	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 20:29	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 20:29	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:29	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 20:29	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 20:29	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:29	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:29	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:29	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:29	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 20:29	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:29	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:29	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:29	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 20:29	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 20:29	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:29	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 20:29	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-2 031617

Lab Sample ID: 480-114768-3

Date Collected: 03/16/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 20:29	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:29	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 20:29	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 20:29	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 20:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	88		46 - 120	03/21/17 07:27	03/25/17 20:29	1
Phenol-d5	50		22 - 120	03/21/17 07:27	03/25/17 20:29	1
p-Terphenyl-d14	101		59 - 136	03/21/17 07:27	03/25/17 20:29	1
2,4,6-Tribromophenol	109		41 - 120	03/21/17 07:27	03/25/17 20:29	1
2-Fluorobiphenyl	94		48 - 120	03/21/17 07:27	03/25/17 20:29	1
2-Fluorophenol	66		35 - 120	03/21/17 07:27	03/25/17 20:29	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 13:28	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:28	1
4,4'-DDT	0.012	J	0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:28	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 13:28	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 13:28	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 13:28	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 13:28	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 13:28	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 13:28	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:28	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:28	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 13:28	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 13:28	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 13:28	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:28	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 13:28	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:28	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 13:28	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 13:28	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 13:28	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 13:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	72		20 - 120	03/21/17 07:45	03/22/17 13:28	1
DCB Decachlorobiphenyl	78		20 - 120	03/21/17 07:45	03/22/17 13:28	1
Tetrachloro-m-xylene	75		44 - 120	03/21/17 07:45	03/22/17 13:28	1
Tetrachloro-m-xylene	80		44 - 120	03/21/17 07:45	03/22/17 13:28	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.6	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 04:27	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 04:27	1
Perfluoroheptanoic acid (PFHpA)	11		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 04:27	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-2 031617

Lab Sample ID: 480-114768-3

Date Collected: 03/16/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	81		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 04:27	1
Perfluorononanoic acid (PFNA)	3.3		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 04:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	99		25 - 150				03/20/17 08:49	03/21/17 04:27	1
13C4-PFHpA	107		25 - 150				03/20/17 08:49	03/21/17 04:27	1
13C4 PFOA	102		25 - 150				03/20/17 08:49	03/21/17 04:27	1
13C5 PFNA	100		25 - 150				03/20/17 08:49	03/21/17 04:27	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1100		20	13	ng/L		03/20/17 08:49	03/21/17 19:54	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	109		25 - 150				03/20/17 08:49	03/21/17 19:54	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: DUP-01 031617

Lab Sample ID: 480-114768-4

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/25/17 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		71 - 144					03/25/17 22:54	1
4-Bromofluorobenzene	105		72 - 133					03/25/17 22:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 01:41	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 01:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 01:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 01:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 01:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 01:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 01:41	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 01:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 01:41	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 01:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 01:41	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 01:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 01:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 01:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 01:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 01:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 01:41	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 01:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 01:41	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 01:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 01:41	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 01:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 01:41	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 01:41	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 01:41	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 01:41	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 01:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 01:41	1
Acetone	ND		10	3.0	ug/L			03/21/17 01:41	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 01:41	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 01:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 01:41	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 01:41	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 01:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 01:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 01:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 01:41	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 01:41	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 01:41	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 01:41	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 01:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 01:41	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: DUP-01 031617

Lab Sample ID: 480-114768-4

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 01:41	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 01:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 01:41	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 01:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 01:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 01:41	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 01:41	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 01:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 01:41	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 01:41	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 01:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 01:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 01:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 01:41	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 01:41	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 01:41	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 01:41	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 01:41	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 01:41	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 01:41	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 01:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 01:41	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 01:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 01:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 01:41	1
Trichloroethene	0.90	J	1.0	0.46	ug/L			03/21/17 01:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 01:41	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 01:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 01:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		03/21/17 01:41	1
4-Bromofluorobenzene (Surr)	103		73 - 120		03/21/17 01:41	1
Dibromofluoromethane (Surr)	107		75 - 123		03/21/17 01:41	1
Toluene-d8 (Surr)	101		80 - 120		03/21/17 01:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 20:58	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:58	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:58	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 20:58	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 20:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: DUP-01 031617

Lab Sample ID: 480-114768-4

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:58	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 20:58	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 20:58	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 20:58	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:58	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 20:58	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 20:58	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 20:58	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 20:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 20:58	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 20:58	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 20:58	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 20:58	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 20:58	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:58	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:58	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 20:58	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:58	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 20:58	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 20:58	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:58	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 20:58	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 20:58	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 20:58	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 20:58	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 20:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 20:58	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 20:58	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:58	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 20:58	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 20:58	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:58	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 20:58	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 20:58	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:58	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 20:58	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:58	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 20:58	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 20:58	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 20:58	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 20:58	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 20:58	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 20:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: DUP-01 031617

Lab Sample ID: 480-114768-4

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 20:58	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 20:58	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 20:58	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 20:58	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	78		46 - 120	03/21/17 07:27	03/25/17 20:58	1
Phenol-d5	39		22 - 120	03/21/17 07:27	03/25/17 20:58	1
p-Terphenyl-d14	85		59 - 136	03/21/17 07:27	03/25/17 20:58	1
2,4,6-Tribromophenol	91		41 - 120	03/21/17 07:27	03/25/17 20:58	1
2-Fluorobiphenyl	82		48 - 120	03/21/17 07:27	03/25/17 20:58	1
2-Fluorophenol	53		35 - 120	03/21/17 07:27	03/25/17 20:58	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 13:48	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:48	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:48	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 13:48	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 13:48	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 13:48	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 13:48	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 13:48	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 13:48	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:48	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:48	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 13:48	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 13:48	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 13:48	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 13:48	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 13:48	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 13:48	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 13:48	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 13:48	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 13:48	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		20 - 120	03/21/17 07:45	03/22/17 13:48	1
DCB Decachlorobiphenyl	70		20 - 120	03/21/17 07:45	03/22/17 13:48	1
Tetrachloro-m-xylene	73		44 - 120	03/21/17 07:45	03/22/17 13:48	1
Tetrachloro-m-xylene	72		44 - 120	03/21/17 07:45	03/22/17 13:48	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.7	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 04:46	1
Perfluorohexanesulfonic acid (PFHxS)	16		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 04:46	1
Perfluoroheptanoic acid (PFHpA)	11		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 04:46	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: DUP-01 031617

Lab Sample ID: 480-114768-4

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	80		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 04:46	1
Perfluorononanoic acid (PFNA)	3.3		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 04:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	98		25 - 150				03/20/17 08:49	03/21/17 04:46	1
13C4-PFHpA	107		25 - 150				03/20/17 08:49	03/21/17 04:46	1
13C4 PFOA	103		25 - 150				03/20/17 08:49	03/21/17 04:46	1
13C5 PFNA	102		25 - 150				03/20/17 08:49	03/21/17 04:46	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1100		20	13	ng/L		03/20/17 08:49	03/21/17 20:12	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	110		25 - 150				03/20/17 08:49	03/21/17 20:12	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: AMBIENT BLANK 031617

Lab Sample ID: 480-114768-5

Date Collected: 03/16/17 14:30

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 05:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 05:04	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 05:04	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 05:04	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 05:04	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 05:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	101		25 - 150				03/20/17 08:49	03/21/17 05:04	1
13C4-PFHxS	118		25 - 150				03/20/17 08:49	03/21/17 05:04	1
13C4 PFOA	108		25 - 150				03/20/17 08:49	03/21/17 05:04	1
13C4 PFOS	104		25 - 150				03/20/17 08:49	03/21/17 05:04	1
13C5 PFNA	111		25 - 150				03/20/17 08:49	03/21/17 05:04	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 04:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		71 - 144					03/26/17 04:56	1
4-Bromofluorobenzene	214	X	72 - 133					03/26/17 04:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/20/17 13:42	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/17 13:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/17 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/20/17 13:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/17 13:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/17 13:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/17 13:42	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/20/17 13:42	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 13:42	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/20/17 13:42	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 13:42	1
1,2,4-Trimethylbenzene	250	E	1.0	0.75	ug/L			03/20/17 13:42	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/17 13:42	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/20/17 13:42	1
1,2-Dichlorobenzene	25		1.0	0.79	ug/L			03/20/17 13:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/17 13:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/17 13:42	1
1,3,5-Trimethylbenzene	110	E	1.0	0.77	ug/L			03/20/17 13:42	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/17 13:42	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/20/17 13:42	1
1,4-Dichlorobenzene	2.5		1.0	0.84	ug/L			03/20/17 13:42	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/20/17 13:42	1
2-Butanone (MEK)	25		10	1.3	ug/L			03/20/17 13:42	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/20/17 13:42	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/17 13:42	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/20/17 13:42	1
4-Isopropyltoluene	15		1.0	0.31	ug/L			03/20/17 13:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/17 13:42	1
Acetone	19		10	3.0	ug/L			03/20/17 13:42	1
Benzene	ND		1.0	0.41	ug/L			03/20/17 13:42	1
Bromobenzene	ND		1.0	0.80	ug/L			03/20/17 13:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/17 13:42	1
Bromoform	ND		1.0	0.26	ug/L			03/20/17 13:42	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/17 13:42	1
Carbon disulfide	2.2		1.0	0.19	ug/L			03/20/17 13:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/17 13:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/17 13:42	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/20/17 13:42	1
Chloroethane	2.8		1.0	0.32	ug/L			03/20/17 13:42	1
Chloroform	ND		1.0	0.34	ug/L			03/20/17 13:42	1
Chloromethane	0.85	J	1.0	0.35	ug/L			03/20/17 13:42	1
cis-1,2-Dichloroethene	4.7		1.0	0.81	ug/L			03/20/17 13:42	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/17 13:42	1
Cyclohexane	3.2		1.0	0.18	ug/L			03/20/17 13:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/20/17 13:42	1
Dibromomethane	ND		1.0	0.41	ug/L			03/20/17 13:42	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/17 13:42	1
Ethylbenzene	79		1.0	0.74	ug/L			03/20/17 13:42	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/20/17 13:42	1
Iodomethane	ND		1.0	0.30	ug/L			03/20/17 13:42	1
Isopropylbenzene	25		1.0	0.79	ug/L			03/20/17 13:42	1
m,p-Xylene	240	E	2.0	0.66	ug/L			03/20/17 13:42	1
Methyl acetate	ND		2.5	1.3	ug/L			03/20/17 13:42	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/17 13:42	1
Methylcyclohexane	7.9		1.0	0.16	ug/L			03/20/17 13:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/17 13:42	1
Naphthalene	72		1.0	0.43	ug/L			03/20/17 13:42	1
n-Butylbenzene	20		1.0	0.64	ug/L			03/20/17 13:42	1
N-Propylbenzene	38		1.0	0.69	ug/L			03/20/17 13:42	1
o-Xylene	170	E	1.0	0.76	ug/L			03/20/17 13:42	1
sec-Butylbenzene	11		1.0	0.75	ug/L			03/20/17 13:42	1
Styrene	5.5		1.0	0.73	ug/L			03/20/17 13:42	1
tert-Butylbenzene	1.8		1.0	0.81	ug/L			03/20/17 13:42	1
Tetrachloroethene	0.74	J	1.0	0.36	ug/L			03/20/17 13:42	1
Toluene	1.6		1.0	0.51	ug/L			03/20/17 13:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/17 13:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/17 13:42	1
Trichloroethene	1.9		1.0	0.46	ug/L			03/20/17 13:42	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/17 13:42	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/20/17 13:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/17 13:42	1
Xylenes, Total	410	E	2.0	0.66	ug/L			03/20/17 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/20/17 13:42	1
4-Bromofluorobenzene (Surr)	94		73 - 120		03/20/17 13:42	1
Dibromofluoromethane (Surr)	104		75 - 123		03/20/17 13:42	1
Toluene-d8 (Surr)	93		80 - 120		03/20/17 13:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.8	ug/L			03/21/17 02:04	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			03/21/17 02:04	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/21/17 02:04	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			03/21/17 02:04	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/21/17 02:04	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			03/21/17 02:04	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/21/17 02:04	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			03/21/17 02:04	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			03/21/17 02:04	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			03/21/17 02:04	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			03/21/17 02:04	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	350		5.0	3.8	ug/L			03/21/17 02:04	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			03/21/17 02:04	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			03/21/17 02:04	5
1,2-Dichlorobenzene	24		5.0	4.0	ug/L			03/21/17 02:04	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/21/17 02:04	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/21/17 02:04	5
1,3,5-Trimethylbenzene	110		5.0	3.9	ug/L			03/21/17 02:04	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			03/21/17 02:04	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			03/21/17 02:04	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			03/21/17 02:04	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			03/21/17 02:04	5
2-Butanone (MEK)	21 J		50	6.6	ug/L			03/21/17 02:04	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			03/21/17 02:04	5
2-Hexanone	ND		25	6.2	ug/L			03/21/17 02:04	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			03/21/17 02:04	5
4-Isopropyltoluene	14		5.0	1.6	ug/L			03/21/17 02:04	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/21/17 02:04	5
Acetone	22 J		50	15	ug/L			03/21/17 02:04	5
Benzene	ND		5.0	2.1	ug/L			03/21/17 02:04	5
Bromobenzene	ND		5.0	4.0	ug/L			03/21/17 02:04	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/21/17 02:04	5
Bromoform	ND		5.0	1.3	ug/L			03/21/17 02:04	5
Bromomethane	ND		5.0	3.5	ug/L			03/21/17 02:04	5
Carbon disulfide	1.8 J		5.0	0.95	ug/L			03/21/17 02:04	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/21/17 02:04	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/21/17 02:04	5
Chlorobromomethane	ND		5.0	4.4	ug/L			03/21/17 02:04	5
Chloroethane	2.2 J		5.0	1.6	ug/L			03/21/17 02:04	5
Chloroform	ND		5.0	1.7	ug/L			03/21/17 02:04	5
Chloromethane	ND		5.0	1.8	ug/L			03/21/17 02:04	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			03/21/17 02:04	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/21/17 02:04	5
Cyclohexane	ND		5.0	0.90	ug/L			03/21/17 02:04	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/21/17 02:04	5
Dibromomethane	ND		5.0	2.1	ug/L			03/21/17 02:04	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			03/21/17 02:04	5
Ethylbenzene	73		5.0	3.7	ug/L			03/21/17 02:04	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			03/21/17 02:04	5
Iodomethane	ND		5.0	1.5	ug/L			03/21/17 02:04	5
Isopropylbenzene	21		5.0	4.0	ug/L			03/21/17 02:04	5
m,p-Xylene	240		10	3.3	ug/L			03/21/17 02:04	5
Methyl acetate	ND		13	6.5	ug/L			03/21/17 02:04	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			03/21/17 02:04	5
Methylcyclohexane	3.7 J		5.0	0.80	ug/L			03/21/17 02:04	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/21/17 02:04	5
Naphthalene	65		5.0	2.2	ug/L			03/21/17 02:04	5
n-Butylbenzene	19		5.0	3.2	ug/L			03/21/17 02:04	5
N-Propylbenzene	32		5.0	3.5	ug/L			03/21/17 02:04	5
o-Xylene	180		5.0	3.8	ug/L			03/21/17 02:04	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	9.9		5.0	3.8	ug/L			03/21/17 02:04	5
Styrene	ND		5.0	3.7	ug/L			03/21/17 02:04	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			03/21/17 02:04	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/21/17 02:04	5
Toluene	ND		5.0	2.6	ug/L			03/21/17 02:04	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/21/17 02:04	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/21/17 02:04	5
Trichloroethene	ND		5.0	2.3	ug/L			03/21/17 02:04	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			03/21/17 02:04	5
Vinyl acetate	ND		25	4.3	ug/L			03/21/17 02:04	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/21/17 02:04	5
Xylenes, Total	420		10	3.3	ug/L			03/21/17 02:04	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		03/21/17 02:04	5
4-Bromofluorobenzene (Surr)	103		73 - 120		03/21/17 02:04	5
Dibromofluoromethane (Surr)	104		75 - 123		03/21/17 02:04	5
Toluene-d8 (Surr)	100		80 - 120		03/21/17 02:04	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		50	6.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
bis (2-chloroisopropyl) ether	ND		50	5.2	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,4,5-Trichlorophenol	ND		50	4.8	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,4,6-Trichlorophenol	ND *		50	6.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,4-Dichlorophenol	ND		50	5.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,4-Dimethylphenol	6.4	J	50	5.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,4-Dinitrophenol	ND		100	22	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,4-Dinitrotoluene	ND *		50	4.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
2,6-Dinitrotoluene	ND *		50	4.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
2-Chloronaphthalene	ND		50	4.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
2-Chlorophenol	ND		50	5.3	ug/L		03/21/17 07:27	03/25/17 21:26	10
2-Methylphenol	ND		50	4.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
2-Methylnaphthalene	13	J	50	6.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
2-Nitroaniline	ND		100	4.2	ug/L		03/21/17 07:27	03/25/17 21:26	10
2-Nitrophenol	ND		50	4.8	ug/L		03/21/17 07:27	03/25/17 21:26	10
3,3'-Dichlorobenzidine	ND		50	4.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
3-Nitroaniline	ND		100	4.8	ug/L		03/21/17 07:27	03/25/17 21:26	10
4,6-Dinitro-2-methylphenol	ND		100	22	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Bromophenyl phenyl ether	ND		50	4.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Chloro-3-methylphenol	ND		50	4.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Chloroaniline	ND		50	5.9	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Chlorophenyl phenyl ether	ND		50	3.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Methylphenol	ND		100	3.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Nitroaniline	ND *		100	2.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
4-Nitrophenol	ND		100	15	ug/L		03/21/17 07:27	03/25/17 21:26	10
Acenaphthene	ND		50	4.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
Acenaphthylene	ND		50	3.8	ug/L		03/21/17 07:27	03/25/17 21:26	10
Acetophenone	ND		50	5.4	ug/L		03/21/17 07:27	03/25/17 21:26	10
Anthracene	ND		50	2.8	ug/L		03/21/17 07:27	03/25/17 21:26	10

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	ND	*	50	4.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
Benzaldehyde	ND		50	2.7	ug/L		03/21/17 07:27	03/25/17 21:26	10
Benzo(a)anthracene	ND		50	3.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
Benzo(a)pyrene	ND		50	4.7	ug/L		03/21/17 07:27	03/25/17 21:26	10
Benzo(b)fluoranthene	ND		50	3.4	ug/L		03/21/17 07:27	03/25/17 21:26	10
Benzo(g,h,i)perylene	ND		50	3.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
Benzo(k)fluoranthene	ND		50	7.3	ug/L		03/21/17 07:27	03/25/17 21:26	10
Bis(2-chloroethoxy)methane	ND		50	3.5	ug/L		03/21/17 07:27	03/25/17 21:26	10
Bis(2-chloroethyl)ether	ND		50	4.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
Bis(2-ethylhexyl) phthalate	ND		50	22	ug/L		03/21/17 07:27	03/25/17 21:26	10
Butyl benzyl phthalate	ND		50	10	ug/L		03/21/17 07:27	03/25/17 21:26	10
Caprolactam	ND		50	22	ug/L		03/21/17 07:27	03/25/17 21:26	10
Carbazole	ND		50	3.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
Chrysene	ND		50	3.3	ug/L		03/21/17 07:27	03/25/17 21:26	10
Dibenz(a,h)anthracene	ND		50	4.2	ug/L		03/21/17 07:27	03/25/17 21:26	10
Di-n-butyl phthalate	ND		50	3.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
Di-n-octyl phthalate	ND		50	4.7	ug/L		03/21/17 07:27	03/25/17 21:26	10
Dibenzofuran	ND		100	5.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
Diethyl phthalate	ND		50	2.2	ug/L		03/21/17 07:27	03/25/17 21:26	10
Dimethyl phthalate	ND		50	3.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
Fluoranthene	ND		50	4.0	ug/L		03/21/17 07:27	03/25/17 21:26	10
Fluorene	ND		50	3.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
Hexachlorobenzene	ND		50	5.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
Hexachlorobutadiene	ND		50	6.8	ug/L		03/21/17 07:27	03/25/17 21:26	10
Hexachlorocyclopentadiene	ND		50	5.9	ug/L		03/21/17 07:27	03/25/17 21:26	10
Hexachloroethane	ND		50	5.9	ug/L		03/21/17 07:27	03/25/17 21:26	10
Indeno(1,2,3-cd)pyrene	ND		50	4.7	ug/L		03/21/17 07:27	03/25/17 21:26	10
Isophorone	ND		50	4.3	ug/L		03/21/17 07:27	03/25/17 21:26	10
N-Nitrosodi-n-propylamine	ND		50	5.4	ug/L		03/21/17 07:27	03/25/17 21:26	10
N-Nitrosodiphenylamine	ND		50	5.1	ug/L		03/21/17 07:27	03/25/17 21:26	10
Naphthalene	57		50	7.6	ug/L		03/21/17 07:27	03/25/17 21:26	10
Nitrobenzene	ND		50	2.9	ug/L		03/21/17 07:27	03/25/17 21:26	10
Pentachlorophenol	ND		100	22	ug/L		03/21/17 07:27	03/25/17 21:26	10
Phenanthrene	ND		50	4.4	ug/L		03/21/17 07:27	03/25/17 21:26	10
Phenol	ND		50	3.9	ug/L		03/21/17 07:27	03/25/17 21:26	10
Pyrene	ND		50	3.4	ug/L		03/21/17 07:27	03/25/17 21:26	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	106		46 - 120	03/21/17 07:27	03/25/17 21:26	10
Phenol-d5	56		22 - 120	03/21/17 07:27	03/25/17 21:26	10
p-Terphenyl-d14	91		59 - 136	03/21/17 07:27	03/25/17 21:26	10
2,4,6-Tribromophenol	122	X	41 - 120	03/21/17 07:27	03/25/17 21:26	10
2-Fluorobiphenyl	115		48 - 120	03/21/17 07:27	03/25/17 21:26	10
2-Fluorophenol	81		35 - 120	03/21/17 07:27	03/25/17 21:26	10

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.25	0.046	ug/L		03/21/17 07:45	03/22/17 14:07	5
4,4'-DDE	ND		0.25	0.058	ug/L		03/21/17 07:45	03/22/17 14:07	5
4,4'-DDT	ND		0.25	0.055	ug/L		03/21/17 07:45	03/22/17 14:07	5

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.25	0.041	ug/L		03/21/17 07:45	03/22/17 14:07	5
alpha-BHC	0.090	J	0.25	0.039	ug/L		03/21/17 07:45	03/22/17 14:07	5
alpha-Chlordane	ND		0.25	0.074	ug/L		03/21/17 07:45	03/22/17 14:07	5
beta-BHC	ND		0.25	0.12	ug/L		03/21/17 07:45	03/22/17 14:07	5
delta-BHC	ND		0.25	0.050	ug/L		03/21/17 07:45	03/22/17 14:07	5
Dieldrin	ND		0.25	0.049	ug/L		03/21/17 07:45	03/22/17 14:07	5
Endosulfan I	ND		0.25	0.055	ug/L		03/21/17 07:45	03/22/17 14:07	5
Endosulfan II	ND		0.25	0.060	ug/L		03/21/17 07:45	03/22/17 14:07	5
Endosulfan sulfate	ND		0.25	0.079	ug/L		03/21/17 07:45	03/22/17 14:07	5
Endrin	ND		0.25	0.069	ug/L		03/21/17 07:45	03/22/17 14:07	5
Endrin aldehyde	ND		0.25	0.082	ug/L		03/21/17 07:45	03/22/17 14:07	5
Endrin ketone	ND		0.25	0.060	ug/L		03/21/17 07:45	03/22/17 14:07	5
gamma-BHC (Lindane)	ND		0.25	0.040	ug/L		03/21/17 07:45	03/22/17 14:07	5
gamma-Chlordane	ND		0.25	0.055	ug/L		03/21/17 07:45	03/22/17 14:07	5
Heptachlor	ND		0.25	0.043	ug/L		03/21/17 07:45	03/22/17 14:07	5
Heptachlor epoxide	ND		0.25	0.037	ug/L		03/21/17 07:45	03/22/17 14:07	5
Methoxychlor	ND		0.25	0.071	ug/L		03/21/17 07:45	03/22/17 14:07	5
Toxaphene	ND		2.5	0.60	ug/L		03/21/17 07:45	03/22/17 14:07	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		20 - 120	03/21/17 07:45	03/22/17 14:07	5
DCB Decachlorobiphenyl	62		20 - 120	03/21/17 07:45	03/22/17 14:07	5
Tetrachloro-m-xylene	161	X	44 - 120	03/21/17 07:45	03/22/17 14:07	5
Tetrachloro-m-xylene	87		44 - 120	03/21/17 07:45	03/22/17 14:07	5

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 05:23	1
Perfluorohexanesulfonic acid (PFHxS)	2.6		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 05:23	1
Perfluoroheptanoic acid (PFHpA)	3.7		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 05:23	1
Perfluorooctanoic acid (PFOA)	16		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 05:23	1
Perfluorooctanesulfonic acid (PFOS)	89		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 05:23	1
Perfluorononanoic acid (PFNA)	1.7	J	2.0	0.65	ng/L		03/20/17 08:49	03/21/17 05:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	90		25 - 150	03/20/17 08:49	03/21/17 05:23	1
13C4-PFHxS	95		25 - 150	03/20/17 08:49	03/21/17 05:23	1
13C4 PFOA	97		25 - 150	03/20/17 08:49	03/21/17 05:23	1
13C4 PFOS	88		25 - 150	03/20/17 08:49	03/21/17 05:23	1
13C5 PFNA	101		25 - 150	03/20/17 08:49	03/21/17 05:23	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/25/17 23:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 144					03/25/17 23:17	1
4-Bromofluorobenzene	106		72 - 133					03/25/17 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 23:35	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 23:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 23:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 23:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 23:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 23:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 23:35	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 23:35	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 23:35	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 23:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 23:35	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 23:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 23:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 23:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 23:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 23:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 23:35	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 23:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 23:35	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 23:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 23:35	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 23:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 23:35	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 23:35	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 23:35	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 23:35	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 23:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 23:35	1
Acetone	3.0 J		10	3.0	ug/L			03/21/17 23:35	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 23:35	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 23:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 23:35	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 23:35	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 23:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 23:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 23:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 23:35	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 23:35	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 23:35	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 23:35	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 23:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 23:35	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 23:35	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 23:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 23:35	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 23:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 23:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 23:35	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 23:35	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 23:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 23:35	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 23:35	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 23:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 23:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 23:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 23:35	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 23:35	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 23:35	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 23:35	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 23:35	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 23:35	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 23:35	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 23:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 23:35	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 23:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 23:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 23:35	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 23:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 23:35	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 23:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 23:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/21/17 23:35	1
4-Bromofluorobenzene (Surr)	108		73 - 120		03/21/17 23:35	1
Dibromofluoromethane (Surr)	107		75 - 123		03/21/17 23:35	1
Toluene-d8 (Surr)	104		80 - 120		03/21/17 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 21:54	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 21:54	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 21:54	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 21:54	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 21:54	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 21:54	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 21:54	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 21:54	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 21:54	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 21:54	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 21:54	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 21:54	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 21:54	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 21:54	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 21:54	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 21:54	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 21:54	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 21:54	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 21:54	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 21:54	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 21:54	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 21:54	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 21:54	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 21:54	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 21:54	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 21:54	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 21:54	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 21:54	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 21:54	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 21:54	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 21:54	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 21:54	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 21:54	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 21:54	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 21:54	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 21:54	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 21:54	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 21:54	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 21:54	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 21:54	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 21:54	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 21:54	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 21:54	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 21:54	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 21:54	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 21:54	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 21:54	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 21:54	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 21:54	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 21:54	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 21:54	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 21:54	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	106		46 - 120	03/21/17 07:27	03/25/17 21:54	1
Phenol-d5	53		22 - 120	03/21/17 07:27	03/25/17 21:54	1
p-Terphenyl-d14	107		59 - 136	03/21/17 07:27	03/25/17 21:54	1
2,4,6-Tribromophenol	105		41 - 120	03/21/17 07:27	03/25/17 21:54	1
2-Fluorobiphenyl	106		48 - 120	03/21/17 07:27	03/25/17 21:54	1
2-Fluorophenol	74		35 - 120	03/21/17 07:27	03/25/17 21:54	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 14:27	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 14:27	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 14:27	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 14:27	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 14:27	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 14:27	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 14:27	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 14:27	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 14:27	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 14:27	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 14:27	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 14:27	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 14:27	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 14:27	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 14:27	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 14:27	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 14:27	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 14:27	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 14:27	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 14:27	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 14:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		20 - 120	03/21/17 07:45	03/22/17 14:27	1
DCB Decachlorobiphenyl	57		20 - 120	03/21/17 07:45	03/22/17 14:27	1
Tetrachloro-m-xylene	70		44 - 120	03/21/17 07:45	03/22/17 14:27	1
Tetrachloro-m-xylene	87		44 - 120	03/21/17 07:45	03/22/17 14:27	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 05:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 05:41	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 05:41	1
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.75	ng/L		03/20/17 08:49	03/21/17 05:41	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 05:41	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 05:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	101		25 - 150				03/20/17 08:49	03/21/17 05:41	1
13C4-PFHpA	119		25 - 150				03/20/17 08:49	03/21/17 05:41	1
13C4 PFOA	113		25 - 150				03/20/17 08:49	03/21/17 05:41	1
13C4 PFOS	100		25 - 150				03/20/17 08:49	03/21/17 05:41	1
13C5 PFNA	114		25 - 150				03/20/17 08:49	03/21/17 05:41	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8S 031717

Lab Sample ID: 480-114768-8

Date Collected: 03/17/17 09:35

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/25/17 23:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		71 - 144					03/25/17 23:40	1
4-Bromofluorobenzene	106		72 - 133					03/25/17 23:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 23:58	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 23:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 23:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 23:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 23:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 23:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 23:58	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 23:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 23:58	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 23:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 23:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 23:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 23:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 23:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 23:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 23:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 23:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 23:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 23:58	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 23:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 23:58	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 23:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 23:58	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 23:58	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 23:58	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 23:58	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 23:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 23:58	1
Acetone	ND		10	3.0	ug/L			03/21/17 23:58	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 23:58	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 23:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 23:58	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 23:58	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 23:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 23:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 23:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 23:58	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 23:58	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 23:58	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 23:58	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 23:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 23:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8S 031717

Lab Sample ID: 480-114768-8

Date Collected: 03/17/17 09:35

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 23:58	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 23:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 23:58	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 23:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 23:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 23:58	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 23:58	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 23:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 23:58	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 23:58	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 23:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 23:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 23:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 23:58	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 23:58	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 23:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 23:58	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 23:58	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 23:58	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 23:58	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 23:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 23:58	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 23:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 23:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 23:58	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 23:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 23:58	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 23:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 23:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 23:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		03/21/17 23:58	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/21/17 23:58	1
Dibromofluoromethane (Surr)	99		75 - 123		03/21/17 23:58	1
Toluene-d8 (Surr)	101		80 - 120		03/21/17 23:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 22:23	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 22:23	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:23	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 22:23	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 22:23	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8S 031717

Lab Sample ID: 480-114768-8

Date Collected: 03/17/17 09:35

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:23	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 22:23	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 22:23	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 22:23	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:23	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 22:23	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 22:23	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 22:23	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 22:23	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 22:23	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 22:23	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 22:23	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 22:23	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 22:23	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 22:23	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 22:23	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 22:23	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 22:23	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 22:23	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 22:23	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:23	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 22:23	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 22:23	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 22:23	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 22:23	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 22:23	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 22:23	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 22:23	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 22:23	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 22:23	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 22:23	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 22:23	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:23	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 22:23	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 22:23	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 22:23	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 22:23	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 22:23	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 22:23	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 22:23	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 22:23	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 22:23	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 22:23	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8S 031717

Lab Sample ID: 480-114768-8

Date Collected: 03/17/17 09:35

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 22:23	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 22:23	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 22:23	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 22:23	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	98		46 - 120	03/21/17 07:27	03/25/17 22:23	1
Phenol-d5	54		22 - 120	03/21/17 07:27	03/25/17 22:23	1
p-Terphenyl-d14	103		59 - 136	03/21/17 07:27	03/25/17 22:23	1
2,4,6-Tribromophenol	110		41 - 120	03/21/17 07:27	03/25/17 22:23	1
2-Fluorobiphenyl	100		48 - 120	03/21/17 07:27	03/25/17 22:23	1
2-Fluorophenol	72		35 - 120	03/21/17 07:27	03/25/17 22:23	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 14:47	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 14:47	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 14:47	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 14:47	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 14:47	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 14:47	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 14:47	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 14:47	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 14:47	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 14:47	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 14:47	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 14:47	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 14:47	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 14:47	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 14:47	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 14:47	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 14:47	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 14:47	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 14:47	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 14:47	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		20 - 120	03/21/17 07:45	03/22/17 14:47	1
DCB Decachlorobiphenyl	84		20 - 120	03/21/17 07:45	03/22/17 14:47	1
Tetrachloro-m-xylene	76		44 - 120	03/21/17 07:45	03/22/17 14:47	1
Tetrachloro-m-xylene	95		44 - 120	03/21/17 07:45	03/22/17 14:47	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	6.9		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 06:18	1
Perfluorohexanesulfonic acid (PFHxS)	2.4		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 06:18	1
Perfluoroheptanoic acid (PFHpA)	1.7 J		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 06:18	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8S 031717

Lab Sample ID: 480-114768-8

Date Collected: 03/17/17 09:35

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	5.2		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 06:18	1
Perfluorooctanesulfonic acid (PFOS)	17		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 06:18	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 06:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	101		25 - 150				03/20/17 08:49	03/21/17 06:18	1
13C4-PFHpA	114		25 - 150				03/20/17 08:49	03/21/17 06:18	1
13C4 PFOA	111		25 - 150				03/20/17 08:49	03/21/17 06:18	1
13C4 PFOS	102		25 - 150				03/20/17 08:49	03/21/17 06:18	1
13C5 PFNA	111		25 - 150				03/20/17 08:49	03/21/17 06:18	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-16D 031717

Lab Sample ID: 480-114768-9

Date Collected: 03/17/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 00:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 144					03/26/17 00:02	1
4-Bromofluorobenzene	106		72 - 133					03/26/17 00:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/22/17 00:21	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/17 00:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/17 00:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/17 00:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/17 00:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/17 00:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/17 00:21	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/17 00:21	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 00:21	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/17 00:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 00:21	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/17 00:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/17 00:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/17 00:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/17 00:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/17 00:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/17 00:21	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/17 00:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/17 00:21	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/17 00:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/17 00:21	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/17 00:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/17 00:21	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/17 00:21	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/17 00:21	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/17 00:21	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/22/17 00:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/17 00:21	1
Acetone	ND		10	3.0	ug/L			03/22/17 00:21	1
Benzene	ND		1.0	0.41	ug/L			03/22/17 00:21	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/17 00:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/17 00:21	1
Bromoform	ND		1.0	0.26	ug/L			03/22/17 00:21	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/17 00:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/17 00:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/17 00:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/17 00:21	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/22/17 00:21	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/17 00:21	1
Chloroform	ND		1.0	0.34	ug/L			03/22/17 00:21	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/17 00:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/17 00:21	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-16D 031717

Lab Sample ID: 480-114768-9

Date Collected: 03/17/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/17 00:21	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/17 00:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/17 00:21	1
Dibromomethane	ND		1.0	0.41	ug/L			03/22/17 00:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/17 00:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/17 00:21	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/22/17 00:21	1
Iodomethane	ND		1.0	0.30	ug/L			03/22/17 00:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/17 00:21	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/22/17 00:21	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/17 00:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/17 00:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/17 00:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/17 00:21	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/17 00:21	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/17 00:21	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/17 00:21	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/17 00:21	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/17 00:21	1
Styrene	ND		1.0	0.73	ug/L			03/22/17 00:21	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/17 00:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/17 00:21	1
Toluene	ND		1.0	0.51	ug/L			03/22/17 00:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/17 00:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/17 00:21	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/17 00:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/17 00:21	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/17 00:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/17 00:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/17 00:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		03/22/17 00:21	1
4-Bromofluorobenzene (Surr)	103		73 - 120		03/22/17 00:21	1
Dibromofluoromethane (Surr)	105		75 - 123		03/22/17 00:21	1
Toluene-d8 (Surr)	100		80 - 120		03/22/17 00:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 22:51	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 22:51	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:51	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 22:51	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 22:51	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-16D 031717

Lab Sample ID: 480-114768-9

Date Collected: 03/17/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:51	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 22:51	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 22:51	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 22:51	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:51	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 22:51	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 22:51	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 22:51	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 22:51	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 22:51	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 22:51	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 22:51	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 22:51	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 22:51	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 22:51	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 22:51	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 22:51	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 22:51	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 22:51	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 22:51	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:51	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 22:51	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 22:51	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 22:51	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 22:51	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 22:51	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 22:51	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 22:51	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 22:51	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 22:51	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 22:51	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 22:51	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 22:51	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 22:51	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 22:51	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 22:51	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 22:51	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 22:51	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 22:51	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 22:51	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 22:51	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 22:51	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 22:51	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-16D 031717

Lab Sample ID: 480-114768-9

Date Collected: 03/17/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 22:51	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 22:51	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 22:51	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 22:51	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 22:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	101		46 - 120	03/21/17 07:27	03/25/17 22:51	1
Phenol-d5	53		22 - 120	03/21/17 07:27	03/25/17 22:51	1
p-Terphenyl-d14	106		59 - 136	03/21/17 07:27	03/25/17 22:51	1
2,4,6-Tribromophenol	104		41 - 120	03/21/17 07:27	03/25/17 22:51	1
2-Fluorobiphenyl	104		48 - 120	03/21/17 07:27	03/25/17 22:51	1
2-Fluorophenol	72		35 - 120	03/21/17 07:27	03/25/17 22:51	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 15:06	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 15:06	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 15:06	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 15:06	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 15:06	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 15:06	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 15:06	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 15:06	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 15:06	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 15:06	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 15:06	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 15:06	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 15:06	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 15:06	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 15:06	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 15:06	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 15:06	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 15:06	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 15:06	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 15:06	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		20 - 120	03/21/17 07:45	03/22/17 15:06	1
DCB Decachlorobiphenyl	56		20 - 120	03/21/17 07:45	03/22/17 15:06	1
Tetrachloro-m-xylene	87		44 - 120	03/21/17 07:45	03/22/17 15:06	1
Tetrachloro-m-xylene	85		44 - 120	03/21/17 07:45	03/22/17 15:06	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 06:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 06:36	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 06:36	1
Perfluorooctanoic acid (PFOA)	3.8		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 06:36	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-16D 031717

Lab Sample ID: 480-114768-9

Date Collected: 03/17/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 06:36	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 06:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	99		25 - 150				03/20/17 08:49	03/21/17 06:36	1
13C4-PFH _p A	112		25 - 150				03/20/17 08:49	03/21/17 06:36	1
13C4 PFOA	102		25 - 150				03/20/17 08:49	03/21/17 06:36	1
13C4 PFOS	100		25 - 150				03/20/17 08:49	03/21/17 06:36	1
13C5 PFNA	103		25 - 150				03/20/17 08:49	03/21/17 06:36	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 00:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 144					03/26/17 00:25	1
4-Bromofluorobenzene	102		72 - 133					03/26/17 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/22/17 00:44	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/17 00:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/17 00:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/17 00:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/17 00:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/17 00:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/17 00:44	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/17 00:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 00:44	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/17 00:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 00:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/17 00:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/17 00:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/17 00:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/17 00:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/17 00:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/17 00:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/17 00:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/17 00:44	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/17 00:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/17 00:44	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/17 00:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/17 00:44	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/17 00:44	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/17 00:44	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/17 00:44	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/22/17 00:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/17 00:44	1
Acetone	ND		10	3.0	ug/L			03/22/17 00:44	1
Benzene	ND		1.0	0.41	ug/L			03/22/17 00:44	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/17 00:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/17 00:44	1
Bromoform	ND		1.0	0.26	ug/L			03/22/17 00:44	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/17 00:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/17 00:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/17 00:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/17 00:44	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/22/17 00:44	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/17 00:44	1
Chloroform	ND		1.0	0.34	ug/L			03/22/17 00:44	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/17 00:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/17 00:44	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/17 00:44	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/17 00:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/17 00:44	1
Dibromomethane	ND		1.0	0.41	ug/L			03/22/17 00:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/17 00:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/17 00:44	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/22/17 00:44	1
Iodomethane	ND		1.0	0.30	ug/L			03/22/17 00:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/17 00:44	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/22/17 00:44	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/17 00:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/17 00:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/17 00:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/17 00:44	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/17 00:44	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/17 00:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/17 00:44	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/17 00:44	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/17 00:44	1
Styrene	ND		1.0	0.73	ug/L			03/22/17 00:44	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/17 00:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/17 00:44	1
Toluene	ND		1.0	0.51	ug/L			03/22/17 00:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/17 00:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/17 00:44	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/17 00:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/17 00:44	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/17 00:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/17 00:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/17 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		03/22/17 00:44	1
4-Bromofluorobenzene (Surr)	108		73 - 120		03/22/17 00:44	1
Dibromofluoromethane (Surr)	105		75 - 123		03/22/17 00:44	1
Toluene-d8 (Surr)	100		80 - 120		03/22/17 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 23:19	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 23:19	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:19	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 23:19	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 23:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:19	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 23:19	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 23:19	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 23:19	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:19	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 23:19	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 23:19	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 23:19	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 23:19	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 23:19	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 23:19	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 23:19	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 23:19	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 23:19	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 23:19	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 23:19	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 23:19	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 23:19	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 23:19	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 23:19	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:19	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 23:19	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 23:19	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 23:19	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 23:19	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 23:19	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 23:19	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 23:19	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 23:19	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 23:19	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 23:19	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 23:19	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:19	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 23:19	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 23:19	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 23:19	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 23:19	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 23:19	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 23:19	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 23:19	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 23:19	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 23:19	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 23:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 23:19	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 23:19	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 23:19	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 23:19	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 23:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	109		46 - 120	03/21/17 07:27	03/25/17 23:19	1
Phenol-d5	58		22 - 120	03/21/17 07:27	03/25/17 23:19	1
p-Terphenyl-d14	115		59 - 136	03/21/17 07:27	03/25/17 23:19	1
2,4,6-Tribromophenol	118		41 - 120	03/21/17 07:27	03/25/17 23:19	1
2-Fluorobiphenyl	113		48 - 120	03/21/17 07:27	03/25/17 23:19	1
2-Fluorophenol	80		35 - 120	03/21/17 07:27	03/25/17 23:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/22/17 15:26	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 15:26	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 15:26	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/22/17 15:26	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/22/17 15:26	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/22/17 15:26	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/22/17 15:26	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/22/17 15:26	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/22/17 15:26	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 15:26	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 15:26	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 15:26	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 15:26	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/22/17 15:26	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/22/17 15:26	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/22/17 15:26	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/22/17 15:26	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/22/17 15:26	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/22/17 15:26	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/22/17 15:26	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/22/17 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	68		20 - 120	03/21/17 07:45	03/22/17 15:26	1
DCB Decachlorobiphenyl	61		20 - 120	03/21/17 07:45	03/22/17 15:26	1
Tetrachloro-m-xylene	78		44 - 120	03/21/17 07:45	03/22/17 15:26	1
Tetrachloro-m-xylene	88		44 - 120	03/21/17 07:45	03/22/17 15:26	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 06:54	1
Perfluorohexanesulfonic acid (PFHxS)	1.5	J	2.0	0.87	ng/L		03/20/17 08:49	03/21/17 06:54	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 06:54	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	16		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 06:54	1
Perfluorononanoic acid (PFNA)	1.4	J	2.0	0.65	ng/L		03/20/17 08:49	03/21/17 06:54	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	99		25 - 150				03/20/17 08:49	03/21/17 06:54	1
13C4-PFHpA	111		25 - 150				03/20/17 08:49	03/21/17 06:54	1
13C4 PFOA	107		25 - 150				03/20/17 08:49	03/21/17 06:54	1
13C5 PFNA	102		25 - 150				03/20/17 08:49	03/21/17 06:54	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	350		10	6.4	ng/L		03/20/17 08:49	03/21/17 22:21	5
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	109		25 - 150				03/20/17 08:49	03/21/17 22:21	5

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-24 031717

Lab Sample ID: 480-114768-11

Date Collected: 03/17/17 11:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 144					03/26/17 00:48	1
4-Bromofluorobenzene	107		72 - 133					03/26/17 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/22/17 01:08	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/17 01:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/17 01:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/17 01:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/17 01:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/17 01:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/17 01:08	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/17 01:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 01:08	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/17 01:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 01:08	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/17 01:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/17 01:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/17 01:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/17 01:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/17 01:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/17 01:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/17 01:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/17 01:08	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/17 01:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/17 01:08	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/17 01:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/17 01:08	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/17 01:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/17 01:08	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/17 01:08	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/22/17 01:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/17 01:08	1
Acetone	ND		10	3.0	ug/L			03/22/17 01:08	1
Benzene	ND		1.0	0.41	ug/L			03/22/17 01:08	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/17 01:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/17 01:08	1
Bromoform	ND		1.0	0.26	ug/L			03/22/17 01:08	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/17 01:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/17 01:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/17 01:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/17 01:08	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/22/17 01:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/17 01:08	1
Chloroform	ND		1.0	0.34	ug/L			03/22/17 01:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/17 01:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/17 01:08	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-24 031717

Lab Sample ID: 480-114768-11

Date Collected: 03/17/17 11:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/17 01:08	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/17 01:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/17 01:08	1
Dibromomethane	ND		1.0	0.41	ug/L			03/22/17 01:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/17 01:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/17 01:08	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/22/17 01:08	1
Iodomethane	ND		1.0	0.30	ug/L			03/22/17 01:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/17 01:08	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/22/17 01:08	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/17 01:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/17 01:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/17 01:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/17 01:08	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/17 01:08	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/17 01:08	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/17 01:08	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/17 01:08	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/17 01:08	1
Styrene	ND		1.0	0.73	ug/L			03/22/17 01:08	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/17 01:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/17 01:08	1
Toluene	ND		1.0	0.51	ug/L			03/22/17 01:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/17 01:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/17 01:08	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/17 01:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/17 01:08	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/17 01:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/17 01:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/17 01:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/22/17 01:08	1
4-Bromofluorobenzene (Surr)	115		73 - 120		03/22/17 01:08	1
Dibromofluoromethane (Surr)	103		75 - 123		03/22/17 01:08	1
Toluene-d8 (Surr)	109		80 - 120		03/22/17 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 23:47	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 23:47	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:47	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 23:47	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 23:47	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-24 031717

Lab Sample ID: 480-114768-11

Date Collected: 03/17/17 11:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:47	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 23:47	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 23:47	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 23:47	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:47	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 23:47	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/25/17 23:47	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 23:47	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 23:47	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 23:47	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 23:47	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 23:47	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 23:47	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 23:47	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 23:47	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 23:47	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 23:47	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 23:47	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 23:47	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 23:47	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:47	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 23:47	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 23:47	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 23:47	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 23:47	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 23:47	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/25/17 23:47	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/25/17 23:47	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 23:47	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 23:47	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 23:47	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 23:47	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 23:47	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 23:47	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 23:47	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 23:47	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 23:47	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 23:47	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 23:47	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 23:47	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 23:47	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 23:47	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/25/17 23:47	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-24 031717

Lab Sample ID: 480-114768-11

Date Collected: 03/17/17 11:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/25/17 23:47	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 23:47	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 23:47	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 23:47	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	104		46 - 120	03/21/17 07:27	03/25/17 23:47	1
Phenol-d5	55		22 - 120	03/21/17 07:27	03/25/17 23:47	1
p-Terphenyl-d14	107		59 - 136	03/21/17 07:27	03/25/17 23:47	1
2,4,6-Tribromophenol	104		41 - 120	03/21/17 07:27	03/25/17 23:47	1
2-Fluorobiphenyl	102		48 - 120	03/21/17 07:27	03/25/17 23:47	1
2-Fluorophenol	75		35 - 120	03/21/17 07:27	03/25/17 23:47	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 09:23	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 09:23	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 09:23	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 09:23	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 09:23	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/23/17 09:23	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 09:23	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/23/17 09:23	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 09:23	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 09:23	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 09:23	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 09:23	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 09:23	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 09:23	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 09:23	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 09:23	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 09:23	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 09:23	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 09:23	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 09:23	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 09:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	66		20 - 120	03/21/17 07:45	03/23/17 09:23	1
DCB Decachlorobiphenyl	62		20 - 120	03/21/17 07:45	03/23/17 09:23	1
Tetrachloro-m-xylene	79		44 - 120	03/21/17 07:45	03/23/17 09:23	1
Tetrachloro-m-xylene	78		44 - 120	03/21/17 07:45	03/23/17 09:23	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	2.0		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 07:13	1
Perfluorohexanesulfonic acid (PFHxS)	1.2 J		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 07:13	1
Perfluoroheptanoic acid (PFHpA)	3.1		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 07:13	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-24 031717

Lab Sample ID: 480-114768-11

Date Collected: 03/17/17 11:05

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	11		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 07:13	1
Perfluorooctanesulfonic acid (PFOS)	14		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 07:13	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 07:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	98		25 - 150				03/20/17 08:49	03/21/17 07:13	1
13C4-PFHpA	108		25 - 150				03/20/17 08:49	03/21/17 07:13	1
13C4 PFOA	104		25 - 150				03/20/17 08:49	03/21/17 07:13	1
13C4 PFOS	98		25 - 150				03/20/17 08:49	03/21/17 07:13	1
13C5 PFNA	103		25 - 150				03/20/17 08:49	03/21/17 07:13	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-20 031517

Lab Sample ID: 480-114768-12

Date Collected: 03/15/17 12:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		71 - 144					03/26/17 01:10	1
4-Bromofluorobenzene	104		72 - 133					03/26/17 01:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 02:27	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 02:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 02:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 02:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 02:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 02:27	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 02:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 02:27	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 02:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 02:27	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 02:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 02:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 02:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 02:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 02:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 02:27	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 02:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 02:27	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 02:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 02:27	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 02:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 02:27	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 02:27	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 02:27	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 02:27	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 02:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 02:27	1
Acetone	3.0 J		10	3.0	ug/L			03/21/17 02:27	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 02:27	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 02:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 02:27	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 02:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 02:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 02:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 02:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 02:27	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 02:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 02:27	1
Chloroform	0.37 J		1.0	0.34	ug/L			03/21/17 02:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 02:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 02:27	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-20 031517

Lab Sample ID: 480-114768-12

Date Collected: 03/15/17 12:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 02:27	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 02:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 02:27	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 02:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 02:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 02:27	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 02:27	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 02:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 02:27	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 02:27	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 02:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 02:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 02:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 02:27	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 02:27	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 02:27	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 02:27	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 02:27	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 02:27	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 02:27	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 02:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 02:27	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 02:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 02:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 02:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 02:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 02:27	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 02:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 02:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 02:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/21/17 02:27	1
4-Bromofluorobenzene (Surr)	106		73 - 120		03/21/17 02:27	1
Dibromofluoromethane (Surr)	104		75 - 123		03/21/17 02:27	1
Toluene-d8 (Surr)	103		80 - 120		03/21/17 02:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 00:16	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 00:16	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:16	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 00:16	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 00:16	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-20 031517

Lab Sample ID: 480-114768-12

Date Collected: 03/15/17 12:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:16	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 00:16	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 00:16	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 00:16	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:16	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 00:16	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 00:16	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 00:16	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 00:16	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 00:16	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 00:16	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 00:16	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 00:16	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 00:16	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 00:16	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 00:16	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 00:16	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 00:16	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 00:16	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 00:16	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:16	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 00:16	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 00:16	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 00:16	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 00:16	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 00:16	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 00:16	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 00:16	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 00:16	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 00:16	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 00:16	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 00:16	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:16	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 00:16	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 00:16	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 00:16	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 00:16	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 00:16	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 00:16	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 00:16	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 00:16	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 00:16	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 00:16	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-20 031517

Lab Sample ID: 480-114768-12

Date Collected: 03/15/17 12:05

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 00:16	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 00:16	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 00:16	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 00:16	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	101		46 - 120	03/21/17 07:27	03/26/17 00:16	1
Phenol-d5	54		22 - 120	03/21/17 07:27	03/26/17 00:16	1
p-Terphenyl-d14	103		59 - 136	03/21/17 07:27	03/26/17 00:16	1
2,4,6-Tribromophenol	105		41 - 120	03/21/17 07:27	03/26/17 00:16	1
2-Fluorobiphenyl	105		48 - 120	03/21/17 07:27	03/26/17 00:16	1
2-Fluorophenol	74		35 - 120	03/21/17 07:27	03/26/17 00:16	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 09:42	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 09:42	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 09:42	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 09:42	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 09:42	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/23/17 09:42	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 09:42	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/23/17 09:42	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 09:42	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 09:42	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 09:42	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 09:42	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 09:42	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 09:42	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 09:42	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 09:42	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 09:42	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 09:42	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 09:42	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 09:42	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 09:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		20 - 120	03/21/17 07:45	03/23/17 09:42	1
DCB Decachlorobiphenyl	78		20 - 120	03/21/17 07:45	03/23/17 09:42	1
Tetrachloro-m-xylene	96		44 - 120	03/21/17 07:45	03/23/17 09:42	1
Tetrachloro-m-xylene	94		44 - 120	03/21/17 07:45	03/23/17 09:42	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.2	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 07:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 07:31	1
Perfluoroheptanoic acid (PFHpA)	1.7	J	2.0	0.80	ng/L		03/20/17 08:49	03/21/17 07:31	1
Perfluorooctanoic acid (PFOA)	5.5		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 07:31	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-20 031517

Lab Sample ID: 480-114768-12

Date Collected: 03/15/17 12:05

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	4.9		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 07:31	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 07:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		25 - 150				03/20/17 08:49	03/21/17 07:31	1
13C4-PFHpA	117		25 - 150				03/20/17 08:49	03/21/17 07:31	1
13C4 PFOA	110		25 - 150				03/20/17 08:49	03/21/17 07:31	1
13C4 PFOS	101		25 - 150				03/20/17 08:49	03/21/17 07:31	1
13C5 PFNA	109		25 - 150				03/20/17 08:49	03/21/17 07:31	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		71 - 144					03/26/17 01:33	1
4-Bromofluorobenzene	106		72 - 133					03/26/17 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/20/17 14:29	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/17 14:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/17 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/20/17 14:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/17 14:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/17 14:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/17 14:29	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/20/17 14:29	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 14:29	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/20/17 14:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 14:29	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/20/17 14:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/17 14:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/20/17 14:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/17 14:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/17 14:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/17 14:29	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/20/17 14:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/17 14:29	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/20/17 14:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/17 14:29	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/20/17 14:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/17 14:29	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/20/17 14:29	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/17 14:29	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/20/17 14:29	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/20/17 14:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/17 14:29	1
Acetone	ND		10	3.0	ug/L			03/20/17 14:29	1
Benzene	ND		1.0	0.41	ug/L			03/20/17 14:29	1
Bromobenzene	ND		1.0	0.80	ug/L			03/20/17 14:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/17 14:29	1
Bromoform	ND		1.0	0.26	ug/L			03/20/17 14:29	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/17 14:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/17 14:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/17 14:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/17 14:29	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/20/17 14:29	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/17 14:29	1
Chloroform	ND		1.0	0.34	ug/L			03/20/17 14:29	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/17 14:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/17 14:29	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/17 14:29	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/17 14:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/20/17 14:29	1
Dibromomethane	ND		1.0	0.41	ug/L			03/20/17 14:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/17 14:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/17 14:29	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/20/17 14:29	1
Iodomethane	ND		1.0	0.30	ug/L			03/20/17 14:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/17 14:29	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/20/17 14:29	1
Methyl acetate	ND		2.5	1.3	ug/L			03/20/17 14:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/17 14:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/17 14:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/17 14:29	1
Naphthalene	ND		1.0	0.43	ug/L			03/20/17 14:29	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/20/17 14:29	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/20/17 14:29	1
o-Xylene	ND		1.0	0.76	ug/L			03/20/17 14:29	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/20/17 14:29	1
Styrene	ND		1.0	0.73	ug/L			03/20/17 14:29	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/20/17 14:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/20/17 14:29	1
Toluene	ND		1.0	0.51	ug/L			03/20/17 14:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/17 14:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/17 14:29	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/17 14:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/17 14:29	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/20/17 14:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/17 14:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/17 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		03/20/17 14:29	1
4-Bromofluorobenzene (Surr)	113		73 - 120		03/20/17 14:29	1
Dibromofluoromethane (Surr)	110		75 - 123		03/20/17 14:29	1
Toluene-d8 (Surr)	107		80 - 120		03/20/17 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 00:44	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 00:44	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:44	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 00:44	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 00:44	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:44	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 00:44	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 00:44	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 00:44	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:44	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 00:44	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 00:44	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 00:44	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 00:44	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 00:44	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 00:44	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 00:44	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 00:44	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 00:44	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 00:44	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 00:44	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 00:44	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 00:44	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 00:44	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 00:44	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:44	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 00:44	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 00:44	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 00:44	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 00:44	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 00:44	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 00:44	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 00:44	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 00:44	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 00:44	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 00:44	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 00:44	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 00:44	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 00:44	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 00:44	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 00:44	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 00:44	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 00:44	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 00:44	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 00:44	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 00:44	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 00:44	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 00:44	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 00:44	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 00:44	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 00:44	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 00:44	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		46 - 120	03/21/17 07:27	03/26/17 00:44	1
Phenol-d5	43		22 - 120	03/21/17 07:27	03/26/17 00:44	1
p-Terphenyl-d14	107		59 - 136	03/21/17 07:27	03/26/17 00:44	1
2,4,6-Tribromophenol	112		41 - 120	03/21/17 07:27	03/26/17 00:44	1
2-Fluorobiphenyl	104		48 - 120	03/21/17 07:27	03/26/17 00:44	1
2-Fluorophenol	62		35 - 120	03/21/17 07:27	03/26/17 00:44	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 10:02	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 10:02	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 10:02	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 10:02	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 10:02	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/23/17 10:02	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 10:02	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/23/17 10:02	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 10:02	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 10:02	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 10:02	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 10:02	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 10:02	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 10:02	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 10:02	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 10:02	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 10:02	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 10:02	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 10:02	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 10:02	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 10:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		20 - 120	03/21/17 07:45	03/23/17 10:02	1
DCB Decachlorobiphenyl	73		20 - 120	03/21/17 07:45	03/23/17 10:02	1
Tetrachloro-m-xylene	100		44 - 120	03/21/17 07:45	03/23/17 10:02	1
Tetrachloro-m-xylene	94		44 - 120	03/21/17 07:45	03/23/17 10:02	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	3.2		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 07:50	1
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.0	0.87	ng/L		03/20/17 08:49	03/21/17 07:50	1
Perfluoroheptanoic acid (PFHpA)	4.9		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 07:50	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	11		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 07:50	1
Perfluorooctanesulfonic acid (PFOS)	28		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 07:50	1
Perfluorononanoic acid (PFNA)	0.90	J	2.0	0.65	ng/L		03/20/17 08:49	03/21/17 07:50	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	100		25 - 150				03/20/17 08:49	03/21/17 07:50	1
13C4-PFHpA	115		25 - 150				03/20/17 08:49	03/21/17 07:50	1
13C4 PFOA	110		25 - 150				03/20/17 08:49	03/21/17 07:50	1
13C4 PFOS	104		25 - 150				03/20/17 08:49	03/21/17 07:50	1
13C5 PFNA	112		25 - 150				03/20/17 08:49	03/21/17 07:50	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15S 031517

Lab Sample ID: 480-114768-14

Date Collected: 03/15/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 01:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 144					03/26/17 01:55	1
4-Bromofluorobenzene	228	X	72 - 133					03/26/17 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 02:50	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 02:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 02:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 02:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 02:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 02:50	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 02:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 02:50	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 02:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 02:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 02:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 02:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 02:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 02:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 02:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 02:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 02:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 02:50	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 02:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 02:50	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 02:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 02:50	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 02:50	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 02:50	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 02:50	1
4-Isopropyltoluene	0.51	J	1.0	0.31	ug/L			03/21/17 02:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 02:50	1
Acetone	4.5	J	10	3.0	ug/L			03/21/17 02:50	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 02:50	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 02:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 02:50	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 02:50	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 02:50	1
Carbon disulfide	0.20	J	1.0	0.19	ug/L			03/21/17 02:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 02:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 02:50	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 02:50	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 02:50	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 02:50	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 02:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 02:50	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15S 031517

Lab Sample ID: 480-114768-14

Date Collected: 03/15/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 02:50	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 02:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 02:50	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 02:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 02:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 02:50	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 02:50	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 02:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 02:50	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 02:50	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 02:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 02:50	1
Methylcyclohexane	0.47	J	1.0	0.16	ug/L			03/21/17 02:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 02:50	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 02:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 02:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 02:50	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 02:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 02:50	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 02:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 02:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 02:50	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 02:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 02:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 02:50	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 02:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 02:50	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 02:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 02:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		03/21/17 02:50	1
4-Bromofluorobenzene (Surr)	101		73 - 120		03/21/17 02:50	1
Dibromofluoromethane (Surr)	99		75 - 123		03/21/17 02:50	1
Toluene-d8 (Surr)	90		80 - 120		03/21/17 02:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 01:12	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 01:12	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:12	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 01:12	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 01:12	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15S 031517

Lab Sample ID: 480-114768-14

Date Collected: 03/15/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:12	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 01:12	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 01:12	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 01:12	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:12	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 01:12	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 01:12	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 01:12	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 01:12	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 01:12	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 01:12	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 01:12	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 01:12	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 01:12	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 01:12	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 01:12	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 01:12	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 01:12	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 01:12	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 01:12	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:12	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 01:12	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 01:12	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 01:12	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 01:12	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 01:12	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 01:12	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 01:12	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 01:12	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 01:12	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 01:12	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 01:12	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:12	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 01:12	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 01:12	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 01:12	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 01:12	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 01:12	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 01:12	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 01:12	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 01:12	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 01:12	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 01:12	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15S 031517

Lab Sample ID: 480-114768-14

Date Collected: 03/15/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 01:12	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 01:12	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 01:12	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 01:12	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	102		46 - 120				03/21/17 07:27	03/26/17 01:12	1
Phenol-d5	53		22 - 120				03/21/17 07:27	03/26/17 01:12	1
p-Terphenyl-d14	95		59 - 136				03/21/17 07:27	03/26/17 01:12	1
2,4,6-Tribromophenol	126	X	41 - 120				03/21/17 07:27	03/26/17 01:12	1
2-Fluorobiphenyl	108		48 - 120				03/21/17 07:27	03/26/17 01:12	1
2-Fluorophenol	77		35 - 120				03/21/17 07:27	03/26/17 01:12	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 10:22	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 10:22	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 10:22	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 10:22	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 10:22	1
alpha-Chlordane	0.33		0.050	0.015	ug/L		03/21/17 07:45	03/23/17 10:22	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 10:22	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/23/17 10:22	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 10:22	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 10:22	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 10:22	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 10:22	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 10:22	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 10:22	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 10:22	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 10:22	1
gamma-Chlordane	0.14		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 10:22	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 10:22	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 10:22	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 10:22	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 10:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		20 - 120				03/21/17 07:45	03/23/17 10:22	1
DCB Decachlorobiphenyl	61		20 - 120				03/21/17 07:45	03/23/17 10:22	1
Tetrachloro-m-xylene	112		44 - 120				03/21/17 07:45	03/23/17 10:22	1
Tetrachloro-m-xylene	91		44 - 120				03/21/17 07:45	03/23/17 10:22	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.8	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 08:08	1
Perfluorohexanesulfonic acid (PFHxS)	2.9		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 08:08	1
Perfluoroheptanoic acid (PFHpA)	4.6		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 08:08	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15S 031517

Lab Sample ID: 480-114768-14

Date Collected: 03/15/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	11		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 08:08	1
Perfluorooctanesulfonic acid (PFOS)	140		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 08:08	1
Perfluorononanoic acid (PFNA)	0.75	J	2.0	0.65	ng/L		03/20/17 08:49	03/21/17 08:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	88		25 - 150				03/20/17 08:49	03/21/17 08:08	1
13C4-PFHpA	96		25 - 150				03/20/17 08:49	03/21/17 08:08	1
13C4 PFOA	95		25 - 150				03/20/17 08:49	03/21/17 08:08	1
13C4 PFOS	91		25 - 150				03/20/17 08:49	03/21/17 08:08	1
13C5 PFNA	91		25 - 150				03/20/17 08:49	03/21/17 08:08	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-17 031517

Lab Sample ID: 480-114768-15

Date Collected: 03/15/17 13:57

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 04:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		71 - 144					03/26/17 04:34	1
4-Bromofluorobenzene	381	X	72 - 133					03/26/17 04:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.70	ug/L			03/21/17 03:13	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/21/17 03:13	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/21/17 03:13	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			03/21/17 03:13	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/21/17 03:13	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/21/17 03:13	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/21/17 03:13	2
1,1-Dichloropropene	ND		2.0	1.4	ug/L			03/21/17 03:13	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			03/21/17 03:13	2
1,2,3-Trichloropropane	ND		2.0	1.8	ug/L			03/21/17 03:13	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/21/17 03:13	2
1,2,4-Trimethylbenzene	92		2.0	1.5	ug/L			03/21/17 03:13	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/21/17 03:13	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/21/17 03:13	2
1,2-Dichlorobenzene	7.3		2.0	1.6	ug/L			03/21/17 03:13	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/21/17 03:13	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/21/17 03:13	2
1,3,5-Trimethylbenzene	40		2.0	1.5	ug/L			03/21/17 03:13	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/21/17 03:13	2
1,3-Dichloropropane	ND		2.0	1.5	ug/L			03/21/17 03:13	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/21/17 03:13	2
2,2-Dichloropropane	ND		2.0	0.80	ug/L			03/21/17 03:13	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/21/17 03:13	2
2-Chlorotoluene	ND		2.0	1.7	ug/L			03/21/17 03:13	2
2-Hexanone	ND		10	2.5	ug/L			03/21/17 03:13	2
4-Chlorotoluene	ND		2.0	1.7	ug/L			03/21/17 03:13	2
4-Isopropyltoluene	8.3		2.0	0.62	ug/L			03/21/17 03:13	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/21/17 03:13	2
Acetone	15 J		20	6.0	ug/L			03/21/17 03:13	2
Benzene	ND		2.0	0.82	ug/L			03/21/17 03:13	2
Bromobenzene	ND		2.0	1.6	ug/L			03/21/17 03:13	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/21/17 03:13	2
Bromoform	ND		2.0	0.52	ug/L			03/21/17 03:13	2
Bromomethane	ND		2.0	1.4	ug/L			03/21/17 03:13	2
Carbon disulfide	0.65 J		2.0	0.38	ug/L			03/21/17 03:13	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/21/17 03:13	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/21/17 03:13	2
Chlorobromomethane	ND		2.0	1.7	ug/L			03/21/17 03:13	2
Chloroethane	ND		2.0	0.64	ug/L			03/21/17 03:13	2
Chloroform	ND		2.0	0.68	ug/L			03/21/17 03:13	2
Chloromethane	ND		2.0	0.70	ug/L			03/21/17 03:13	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			03/21/17 03:13	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-17 031517

Lab Sample ID: 480-114768-15

Date Collected: 03/15/17 13:57

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/21/17 03:13	2
Cyclohexane	ND		2.0	0.36	ug/L			03/21/17 03:13	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/21/17 03:13	2
Dibromomethane	ND		2.0	0.82	ug/L			03/21/17 03:13	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			03/21/17 03:13	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/21/17 03:13	2
Hexachlorobutadiene	ND		2.0	0.56	ug/L			03/21/17 03:13	2
Iodomethane	ND		2.0	0.60	ug/L			03/21/17 03:13	2
Isopropylbenzene	2.5		2.0	1.6	ug/L			03/21/17 03:13	2
m,p-Xylene	6.8		4.0	1.3	ug/L			03/21/17 03:13	2
Methyl acetate	ND		5.0	2.6	ug/L			03/21/17 03:13	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/21/17 03:13	2
Methylcyclohexane	0.93	J	2.0	0.32	ug/L			03/21/17 03:13	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/21/17 03:13	2
Naphthalene	11		2.0	0.86	ug/L			03/21/17 03:13	2
n-Butylbenzene	9.4		2.0	1.3	ug/L			03/21/17 03:13	2
N-Propylbenzene	4.5		2.0	1.4	ug/L			03/21/17 03:13	2
o-Xylene	11		2.0	1.5	ug/L			03/21/17 03:13	2
sec-Butylbenzene	4.1		2.0	1.5	ug/L			03/21/17 03:13	2
Styrene	ND		2.0	1.5	ug/L			03/21/17 03:13	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			03/21/17 03:13	2
Tetrachloroethene	1.7	J	2.0	0.72	ug/L			03/21/17 03:13	2
Toluene	ND		2.0	1.0	ug/L			03/21/17 03:13	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/21/17 03:13	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/21/17 03:13	2
Trichloroethene	ND		2.0	0.92	ug/L			03/21/17 03:13	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			03/21/17 03:13	2
Vinyl acetate	ND		10	1.7	ug/L			03/21/17 03:13	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/21/17 03:13	2
Xylenes, Total	18		4.0	1.3	ug/L			03/21/17 03:13	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		03/21/17 03:13	2
4-Bromofluorobenzene (Surr)	103		73 - 120		03/21/17 03:13	2
Dibromofluoromethane (Surr)	103		75 - 123		03/21/17 03:13	2
Toluene-d8 (Surr)	98		80 - 120		03/21/17 03:13	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 01:40	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 01:40	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:40	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 01:40	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 01:40	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-17 031517

Lab Sample ID: 480-114768-15

Date Collected: 03/15/17 13:57

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:40	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 01:40	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 01:40	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 01:40	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:40	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 01:40	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Methylphenol	2.1	J	10	0.36	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Nitroaniline	ND	*	10	0.25	ug/L		03/21/17 07:27	03/26/17 01:40	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 01:40	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 01:40	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 01:40	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 01:40	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 01:40	1
Atrazine	ND	*	5.0	0.46	ug/L		03/21/17 07:27	03/26/17 01:40	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 01:40	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 01:40	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 01:40	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 01:40	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 01:40	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 01:40	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 01:40	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:40	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 01:40	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 01:40	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 01:40	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 01:40	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 01:40	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 01:40	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 01:40	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 01:40	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 01:40	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 01:40	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 01:40	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 01:40	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 01:40	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 01:40	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 01:40	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 01:40	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 01:40	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 01:40	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 01:40	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 01:40	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 01:40	1
Naphthalene	12		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 01:40	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-17 031517

Lab Sample ID: 480-114768-15

Date Collected: 03/15/17 13:57

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 01:40	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 01:40	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 01:40	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 01:40	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	106		46 - 120	03/21/17 07:27	03/26/17 01:40	1
Phenol-d5	56		22 - 120	03/21/17 07:27	03/26/17 01:40	1
p-Terphenyl-d14	80		59 - 136	03/21/17 07:27	03/26/17 01:40	1
2,4,6-Tribromophenol	139	X	41 - 120	03/21/17 07:27	03/26/17 01:40	1
2-Fluorobiphenyl	70		48 - 120	03/21/17 07:27	03/26/17 01:40	1
2-Fluorophenol	71		35 - 120	03/21/17 07:27	03/26/17 01:40	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.50	0.092	ug/L		03/21/17 07:45	03/23/17 10:41	10
4,4'-DDE	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 10:41	10
4,4'-DDT	ND		0.50	0.11	ug/L		03/21/17 07:45	03/23/17 10:41	10
Aldrin	0.12	J	0.50	0.081	ug/L		03/21/17 07:45	03/23/17 10:41	10
alpha-BHC	ND		0.50	0.077	ug/L		03/21/17 07:45	03/23/17 10:41	10
alpha-Chlordane	ND		0.50	0.15	ug/L		03/21/17 07:45	03/23/17 10:41	10
beta-BHC	ND		0.50	0.25	ug/L		03/21/17 07:45	03/23/17 10:41	10
delta-BHC	ND		0.50	0.10	ug/L		03/21/17 07:45	03/23/17 10:41	10
Dieldrin	ND		0.50	0.098	ug/L		03/21/17 07:45	03/23/17 10:41	10
Endosulfan I	ND		0.50	0.11	ug/L		03/21/17 07:45	03/23/17 10:41	10
Endosulfan II	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 10:41	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		03/21/17 07:45	03/23/17 10:41	10
Endrin	ND		0.50	0.14	ug/L		03/21/17 07:45	03/23/17 10:41	10
Endrin aldehyde	ND		0.50	0.16	ug/L		03/21/17 07:45	03/23/17 10:41	10
Endrin ketone	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 10:41	10
gamma-BHC (Lindane)	ND		0.50	0.080	ug/L		03/21/17 07:45	03/23/17 10:41	10
gamma-Chlordane	ND		0.50	0.11	ug/L		03/21/17 07:45	03/23/17 10:41	10
Heptachlor	ND		0.50	0.085	ug/L		03/21/17 07:45	03/23/17 10:41	10
Heptachlor epoxide	ND		0.50	0.074	ug/L		03/21/17 07:45	03/23/17 10:41	10
Methoxychlor	ND		0.50	0.14	ug/L		03/21/17 07:45	03/23/17 10:41	10
Toxaphene	ND		5.0	1.2	ug/L		03/21/17 07:45	03/23/17 10:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	03/21/17 07:45	03/23/17 10:41	10
DCB Decachlorobiphenyl	0	X	20 - 120	03/21/17 07:45	03/23/17 10:41	10
Tetrachloro-m-xylene	205	X	44 - 120	03/21/17 07:45	03/23/17 10:41	10
Tetrachloro-m-xylene	106		44 - 120	03/21/17 07:45	03/23/17 10:41	10

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 08:26	1
Perfluorohexanesulfonic acid (PFHxS)	1.7	J	2.0	0.87	ng/L		03/20/17 08:49	03/21/17 08:26	1
Perfluoroheptanoic acid (PFHpA)	12		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 08:26	1
Perfluorooctanoic acid (PFOA)	27		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 08:26	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-17 031517

Lab Sample ID: 480-114768-15

Date Collected: 03/15/17 13:57

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	170		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 08:26	1
Perfluorononanoic acid (PFNA)	2.4		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 08:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	89		25 - 150				03/20/17 08:49	03/21/17 08:26	1
13C4-PFHpA	89		25 - 150				03/20/17 08:49	03/21/17 08:26	1
13C4 PFOA	94		25 - 150				03/20/17 08:49	03/21/17 08:26	1
13C4 PFOS	89		25 - 150				03/20/17 08:49	03/21/17 08:26	1
13C5 PFNA	95		25 - 150				03/20/17 08:49	03/21/17 08:26	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 144					03/26/17 02:18	1
4-Bromofluorobenzene	108		72 - 133					03/26/17 02:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 03:36	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 03:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 03:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 03:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 03:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 03:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 03:36	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 03:36	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 03:36	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 03:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 03:36	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 03:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 03:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 03:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 03:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 03:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 03:36	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 03:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 03:36	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 03:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 03:36	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 03:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 03:36	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 03:36	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 03:36	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 03:36	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 03:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 03:36	1
Acetone	ND		10	3.0	ug/L			03/21/17 03:36	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 03:36	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 03:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 03:36	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 03:36	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 03:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 03:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 03:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 03:36	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 03:36	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 03:36	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 03:36	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 03:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 03:36	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 03:36	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 03:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 03:36	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 03:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 03:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 03:36	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 03:36	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 03:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 03:36	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 03:36	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 03:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 03:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 03:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 03:36	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 03:36	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 03:36	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 03:36	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 03:36	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 03:36	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 03:36	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 03:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 03:36	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 03:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 03:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 03:36	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 03:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 03:36	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 03:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 03:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 03:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		03/21/17 03:36	1
4-Bromofluorobenzene (Surr)	109		73 - 120		03/21/17 03:36	1
Dibromofluoromethane (Surr)	105		75 - 123		03/21/17 03:36	1
Toluene-d8 (Surr)	103		80 - 120		03/21/17 03:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 02:09	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 02:09	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:09	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 02:09	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 02:09	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:09	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 02:09	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 02:09	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 02:09	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:09	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 02:09	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 02:09	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 02:09	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 02:09	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 02:09	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 02:09	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 02:09	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 02:09	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 02:09	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 02:09	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 02:09	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 02:09	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 02:09	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 02:09	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 02:09	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:09	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 02:09	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 02:09	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 02:09	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 02:09	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 02:09	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 02:09	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 02:09	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 02:09	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 02:09	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 02:09	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 02:09	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:09	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 02:09	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 02:09	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 02:09	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 02:09	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 02:09	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 02:09	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 02:09	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 02:09	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 02:09	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 02:09	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 02:09	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 02:09	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 02:09	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 02:09	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 02:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 120	03/21/17 07:27	03/26/17 02:09	1
Phenol-d5	52		22 - 120	03/21/17 07:27	03/26/17 02:09	1
p-Terphenyl-d14	106		59 - 136	03/21/17 07:27	03/26/17 02:09	1
2,4,6-Tribromophenol	93		41 - 120	03/21/17 07:27	03/26/17 02:09	1
2-Fluorobiphenyl	104		48 - 120	03/21/17 07:27	03/26/17 02:09	1
2-Fluorophenol	71		35 - 120	03/21/17 07:27	03/26/17 02:09	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 11:01	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 11:01	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 11:01	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 11:01	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 11:01	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/23/17 11:01	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 11:01	1
delta-BHC	0.010	J	0.050	0.010	ug/L		03/21/17 07:45	03/23/17 11:01	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 11:01	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 11:01	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 11:01	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 11:01	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 11:01	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 11:01	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 11:01	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 11:01	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 11:01	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 11:01	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 11:01	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 11:01	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	40		20 - 120	03/21/17 07:45	03/23/17 11:01	1
DCB Decachlorobiphenyl	36		20 - 120	03/21/17 07:45	03/23/17 11:01	1
Tetrachloro-m-xylene	106		44 - 120	03/21/17 07:45	03/23/17 11:01	1
Tetrachloro-m-xylene	99		44 - 120	03/21/17 07:45	03/23/17 11:01	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 08:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 08:45	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 08:45	1
Perfluorooctanoic acid (PFOA)	1.6	J	2.0	0.75	ng/L		03/20/17 08:49	03/21/17 08:45	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 08:45	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 08:45	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	97		25 - 150				03/20/17 08:49	03/21/17 08:45	1
13C4-PFHpA	118		25 - 150				03/20/17 08:49	03/21/17 08:45	1
13C4 PFOA	110		25 - 150				03/20/17 08:49	03/21/17 08:45	1
13C4 PFOS	99		25 - 150				03/20/17 08:49	03/21/17 08:45	1
13C5 PFNA	105		25 - 150				03/20/17 08:49	03/21/17 08:45	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-18 031517

Lab Sample ID: 480-114768-17

Date Collected: 03/15/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 02:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		71 - 144					03/26/17 02:41	1
4-Bromofluorobenzene	108		72 - 133					03/26/17 02:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/20/17 16:01	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/20/17 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/20/17 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/20/17 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/20/17 16:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/20/17 16:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/20/17 16:01	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/20/17 16:01	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 16:01	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/20/17 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/20/17 16:01	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/20/17 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/20/17 16:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/20/17 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/20/17 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/20/17 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/20/17 16:01	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/20/17 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/20/17 16:01	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/20/17 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/20/17 16:01	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/20/17 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/20/17 16:01	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/20/17 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/20/17 16:01	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/20/17 16:01	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/20/17 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/20/17 16:01	1
Acetone	ND		10	3.0	ug/L			03/20/17 16:01	1
Benzene	ND		1.0	0.41	ug/L			03/20/17 16:01	1
Bromobenzene	ND		1.0	0.80	ug/L			03/20/17 16:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/20/17 16:01	1
Bromoform	ND		1.0	0.26	ug/L			03/20/17 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/20/17 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/20/17 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/20/17 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/20/17 16:01	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/20/17 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/20/17 16:01	1
Chloroform	ND		1.0	0.34	ug/L			03/20/17 16:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/20/17 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/20/17 16:01	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-18 031517

Lab Sample ID: 480-114768-17

Date Collected: 03/15/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/20/17 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			03/20/17 16:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/20/17 16:01	1
Dibromomethane	ND		1.0	0.41	ug/L			03/20/17 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/20/17 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/20/17 16:01	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/20/17 16:01	1
Iodomethane	ND		1.0	0.30	ug/L			03/20/17 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/20/17 16:01	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/20/17 16:01	1
Methyl acetate	ND		2.5	1.3	ug/L			03/20/17 16:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/20/17 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/20/17 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/20/17 16:01	1
Naphthalene	ND		1.0	0.43	ug/L			03/20/17 16:01	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/20/17 16:01	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/20/17 16:01	1
o-Xylene	ND		1.0	0.76	ug/L			03/20/17 16:01	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/20/17 16:01	1
Styrene	ND		1.0	0.73	ug/L			03/20/17 16:01	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/20/17 16:01	1
Tetrachloroethene	5.4		1.0	0.36	ug/L			03/20/17 16:01	1
Toluene	ND		1.0	0.51	ug/L			03/20/17 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/20/17 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/20/17 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/20/17 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/20/17 16:01	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/20/17 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/20/17 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/20/17 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		03/20/17 16:01	1
4-Bromofluorobenzene (Surr)	111		73 - 120		03/20/17 16:01	1
Dibromofluoromethane (Surr)	110		75 - 123		03/20/17 16:01	1
Toluene-d8 (Surr)	106		80 - 120		03/20/17 16:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 02:37	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 02:37	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:37	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 02:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 02:37	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-18 031517

Lab Sample ID: 480-114768-17

Date Collected: 03/15/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:37	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 02:37	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 02:37	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 02:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:37	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 02:37	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 02:37	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 02:37	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 02:37	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 02:37	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 02:37	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 02:37	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 02:37	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 02:37	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 02:37	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 02:37	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 02:37	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 02:37	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 02:37	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 02:37	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:37	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 02:37	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 02:37	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 02:37	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 02:37	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 02:37	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 02:37	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 02:37	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 02:37	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 02:37	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 02:37	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 02:37	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 02:37	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 02:37	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 02:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 02:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 02:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 02:37	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 02:37	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 02:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 02:37	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 02:37	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 02:37	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-18 031517

Lab Sample ID: 480-114768-17

Date Collected: 03/15/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 02:37	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 02:37	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 02:37	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 02:37	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 02:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	99		46 - 120	03/21/17 07:27	03/26/17 02:37	1
Phenol-d5	51		22 - 120	03/21/17 07:27	03/26/17 02:37	1
p-Terphenyl-d14	95		59 - 136	03/21/17 07:27	03/26/17 02:37	1
2,4,6-Tribromophenol	122	X	41 - 120	03/21/17 07:27	03/26/17 02:37	1
2-Fluorobiphenyl	101		48 - 120	03/21/17 07:27	03/26/17 02:37	1
2-Fluorophenol	73		35 - 120	03/21/17 07:27	03/26/17 02:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 11:20	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 11:20	1
4,4'-DDT	0.012	J	0.050	0.011	ug/L		03/21/17 07:45	03/23/17 11:20	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 11:20	1
alpha-BHC	0.0093	J	0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 11:20	1
alpha-Chlordane	0.017	J	0.050	0.015	ug/L		03/21/17 07:45	03/23/17 11:20	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 11:20	1
delta-BHC	ND		0.050	0.010	ug/L		03/21/17 07:45	03/23/17 11:20	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 11:20	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 11:20	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 11:20	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 11:20	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 11:20	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 11:20	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 11:20	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 11:20	1
gamma-Chlordane	0.013	J	0.050	0.011	ug/L		03/21/17 07:45	03/23/17 11:20	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 11:20	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 11:20	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 11:20	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		20 - 120	03/21/17 07:45	03/23/17 11:20	1
DCB Decachlorobiphenyl	52		20 - 120	03/21/17 07:45	03/23/17 11:20	1
Tetrachloro-m-xylene	120		44 - 120	03/21/17 07:45	03/23/17 11:20	1
Tetrachloro-m-xylene	108		44 - 120	03/21/17 07:45	03/23/17 11:20	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 09:03	1
Perfluorohexanesulfonic acid (PFHxS)	2.0		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 09:03	1
Perfluoroheptanoic acid (PFHpA)	3.2		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 09:03	1
Perfluorooctanoic acid (PFOA)	14		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 09:03	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-18 031517

Lab Sample ID: 480-114768-17

Date Collected: 03/15/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	48		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 09:03	1
Perfluorononanoic acid (PFNA)	0.89	J	2.0	0.65	ng/L		03/20/17 08:49	03/21/17 09:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	95		25 - 150				03/20/17 08:49	03/21/17 09:03	1
13C4-PFHpA	112		25 - 150				03/20/17 08:49	03/21/17 09:03	1
13C4 PFOA	106		25 - 150				03/20/17 08:49	03/21/17 09:03	1
13C4 PFOS	99		25 - 150				03/20/17 08:49	03/21/17 09:03	1
13C5 PFNA	109		25 - 150				03/20/17 08:49	03/21/17 09:03	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-22 031517

Lab Sample ID: 480-114768-18

Date Collected: 03/15/17 15:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 03:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 144					03/26/17 03:03	1
4-Bromofluorobenzene	110		72 - 133					03/26/17 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 04:00	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 04:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 04:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 04:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 04:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 04:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 04:00	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 04:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 04:00	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 04:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 04:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 04:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 04:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 04:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 04:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 04:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 04:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 04:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 04:00	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 04:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 04:00	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 04:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 04:00	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 04:00	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 04:00	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 04:00	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 04:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 04:00	1
Acetone	ND		10	3.0	ug/L			03/21/17 04:00	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 04:00	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 04:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 04:00	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 04:00	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 04:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 04:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 04:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 04:00	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 04:00	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 04:00	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 04:00	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 04:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 04:00	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-22 031517

Lab Sample ID: 480-114768-18

Date Collected: 03/15/17 15:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 04:00	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 04:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 04:00	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 04:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 04:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 04:00	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 04:00	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 04:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 04:00	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 04:00	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 04:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 04:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 04:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 04:00	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 04:00	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 04:00	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 04:00	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 04:00	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 04:00	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 04:00	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 04:00	1
Tetrachloroethene	0.66	J	1.0	0.36	ug/L			03/21/17 04:00	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 04:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 04:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 04:00	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 04:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 04:00	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 04:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 04:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		03/21/17 04:00	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/21/17 04:00	1
Dibromofluoromethane (Surr)	102		75 - 123		03/21/17 04:00	1
Toluene-d8 (Surr)	103		80 - 120		03/21/17 04:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 03:05	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 03:05	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:05	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 03:05	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 03:05	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-22 031517

Lab Sample ID: 480-114768-18

Date Collected: 03/15/17 15:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:05	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 03:05	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 03:05	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 03:05	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:05	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 03:05	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 03:05	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 03:05	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 03:05	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 03:05	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 03:05	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 03:05	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 03:05	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 03:05	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 03:05	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 03:05	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 03:05	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 03:05	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 03:05	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 03:05	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:05	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 03:05	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 03:05	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 03:05	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 03:05	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 03:05	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 03:05	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 03:05	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 03:05	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 03:05	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 03:05	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 03:05	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:05	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 03:05	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 03:05	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 03:05	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 03:05	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 03:05	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 03:05	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 03:05	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 03:05	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 03:05	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 03:05	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-22 031517

Lab Sample ID: 480-114768-18

Date Collected: 03/15/17 15:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 03:05	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 03:05	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 03:05	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 03:05	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		46 - 120	03/21/17 07:27	03/26/17 03:05	1
Phenol-d5	48		22 - 120	03/21/17 07:27	03/26/17 03:05	1
p-Terphenyl-d14	110		59 - 136	03/21/17 07:27	03/26/17 03:05	1
2,4,6-Tribromophenol	107		41 - 120	03/21/17 07:27	03/26/17 03:05	1
2-Fluorobiphenyl	100		48 - 120	03/21/17 07:27	03/26/17 03:05	1
2-Fluorophenol	65		35 - 120	03/21/17 07:27	03/26/17 03:05	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.10	0.018	ug/L		03/21/17 07:45	03/23/17 11:40	2
4,4'-DDE	ND		0.10	0.023	ug/L		03/21/17 07:45	03/23/17 11:40	2
4,4'-DDT	ND		0.10	0.022	ug/L		03/21/17 07:45	03/23/17 11:40	2
Aldrin	ND		0.10	0.016	ug/L		03/21/17 07:45	03/23/17 11:40	2
alpha-BHC	0.034	J	0.10	0.015	ug/L		03/21/17 07:45	03/23/17 11:40	2
alpha-Chlordane	1.0		0.10	0.030	ug/L		03/21/17 07:45	03/23/17 11:40	2
beta-BHC	ND		0.10	0.050	ug/L		03/21/17 07:45	03/23/17 11:40	2
delta-BHC	0.056	J	0.10	0.020	ug/L		03/21/17 07:45	03/23/17 11:40	2
Dieldrin	ND		0.10	0.020	ug/L		03/21/17 07:45	03/23/17 11:40	2
Endosulfan I	ND		0.10	0.022	ug/L		03/21/17 07:45	03/23/17 11:40	2
Endosulfan II	0.091	J	0.10	0.024	ug/L		03/21/17 07:45	03/23/17 11:40	2
Endosulfan sulfate	ND		0.10	0.031	ug/L		03/21/17 07:45	03/23/17 11:40	2
Endrin	ND		0.10	0.028	ug/L		03/21/17 07:45	03/23/17 11:40	2
Endrin aldehyde	ND		0.10	0.033	ug/L		03/21/17 07:45	03/23/17 11:40	2
Endrin ketone	ND		0.10	0.024	ug/L		03/21/17 07:45	03/23/17 11:40	2
gamma-BHC (Lindane)	ND		0.10	0.016	ug/L		03/21/17 07:45	03/23/17 11:40	2
gamma-Chlordane	0.68		0.10	0.022	ug/L		03/21/17 07:45	03/23/17 11:40	2
Heptachlor	ND		0.10	0.017	ug/L		03/21/17 07:45	03/23/17 11:40	2
Heptachlor epoxide	ND		0.10	0.015	ug/L		03/21/17 07:45	03/23/17 11:40	2
Methoxychlor	ND		0.10	0.028	ug/L		03/21/17 07:45	03/23/17 11:40	2
Toxaphene	ND		1.0	0.24	ug/L		03/21/17 07:45	03/23/17 11:40	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		20 - 120	03/21/17 07:45	03/23/17 11:40	2
DCB Decachlorobiphenyl	80		20 - 120	03/21/17 07:45	03/23/17 11:40	2
Tetrachloro-m-xylene	126	X	44 - 120	03/21/17 07:45	03/23/17 11:40	2
Tetrachloro-m-xylene	109		44 - 120	03/21/17 07:45	03/23/17 11:40	2

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.4	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 09:40	1
Perfluorohexanesulfonic acid (PFHxS)	4.1		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 09:40	1
Perfluoroheptanoic acid (PFHpA)	1.6	J	2.0	0.80	ng/L		03/20/17 08:49	03/21/17 09:40	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-22 031517

Lab Sample ID: 480-114768-18

Date Collected: 03/15/17 15:50

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	13		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 09:40	1
Perfluorooctanesulfonic acid (PFOS)	200		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 09:40	1
Perfluorononanoic acid (PFNA)	7.0		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 09:40	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		25 - 150				03/20/17 08:49	03/21/17 09:40	1
13C4-PFHpA	113		25 - 150				03/20/17 08:49	03/21/17 09:40	1
13C4 PFOA	107		25 - 150				03/20/17 08:49	03/21/17 09:40	1
13C4 PFOS	103		25 - 150				03/20/17 08:49	03/21/17 09:40	1
13C5 PFNA	110		25 - 150				03/20/17 08:49	03/21/17 09:40	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 144					03/26/17 03:26	1
4-Bromofluorobenzene	109		72 - 133					03/26/17 03:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/21/17 04:23	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 04:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 04:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/21/17 04:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 04:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 04:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 04:23	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/21/17 04:23	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 04:23	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/21/17 04:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/21/17 04:23	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/21/17 04:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/21/17 04:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/21/17 04:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/21/17 04:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 04:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 04:23	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/21/17 04:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/21/17 04:23	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/21/17 04:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/21/17 04:23	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/21/17 04:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 04:23	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/21/17 04:23	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 04:23	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/21/17 04:23	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/21/17 04:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 04:23	1
Acetone	ND		10	3.0	ug/L			03/21/17 04:23	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 04:23	1
Bromobenzene	ND		1.0	0.80	ug/L			03/21/17 04:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 04:23	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 04:23	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 04:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 04:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 04:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 04:23	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/21/17 04:23	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 04:23	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 04:23	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 04:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 04:23	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 04:23	1
Cyclohexane	ND		1.0	0.18	ug/L			03/21/17 04:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 04:23	1
Dibromomethane	ND		1.0	0.41	ug/L			03/21/17 04:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/21/17 04:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 04:23	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/21/17 04:23	1
Iodomethane	ND		1.0	0.30	ug/L			03/21/17 04:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/21/17 04:23	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/21/17 04:23	1
Methyl acetate	ND		2.5	1.3	ug/L			03/21/17 04:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/21/17 04:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/21/17 04:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 04:23	1
Naphthalene	ND		1.0	0.43	ug/L			03/21/17 04:23	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/21/17 04:23	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/21/17 04:23	1
o-Xylene	ND		1.0	0.76	ug/L			03/21/17 04:23	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/21/17 04:23	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 04:23	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/21/17 04:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 04:23	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 04:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 04:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 04:23	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 04:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/21/17 04:23	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/21/17 04:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 04:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 04:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		03/21/17 04:23	1
4-Bromofluorobenzene (Surr)	103		73 - 120		03/21/17 04:23	1
Dibromofluoromethane (Surr)	99		75 - 123		03/21/17 04:23	1
Toluene-d8 (Surr)	100		80 - 120		03/21/17 04:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/26/17 03:33	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/26/17 03:33	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:33	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 03:33	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/26/17 03:33	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:33	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/26/17 03:33	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/26/17 03:33	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/26/17 03:33	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:33	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/26/17 03:33	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/26/17 03:33	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/26/17 03:33	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/26/17 03:33	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/26/17 03:33	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 03:33	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/26/17 03:33	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/26/17 03:33	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/26/17 03:33	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 03:33	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 03:33	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 03:33	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 03:33	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/26/17 03:33	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/26/17 03:33	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:33	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 03:33	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/26/17 03:33	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/26/17 03:33	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/26/17 03:33	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/26/17 03:33	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/26/17 03:33	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/26/17 03:33	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 03:33	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/26/17 03:33	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/26/17 03:33	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 03:33	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/26/17 03:33	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/26/17 03:33	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 03:33	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/26/17 03:33	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 03:33	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/26/17 03:33	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/26/17 03:33	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/26/17 03:33	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/26/17 03:33	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/26/17 03:33	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/26/17 03:33	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/26/17 03:33	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/26/17 03:33	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/26/17 03:33	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/26/17 03:33	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/26/17 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	87		46 - 120	03/21/17 07:27	03/26/17 03:33	1
Phenol-d5	41		22 - 120	03/21/17 07:27	03/26/17 03:33	1
p-Terphenyl-d14	106		59 - 136	03/21/17 07:27	03/26/17 03:33	1
2,4,6-Tribromophenol	99		41 - 120	03/21/17 07:27	03/26/17 03:33	1
2-Fluorobiphenyl	91		48 - 120	03/21/17 07:27	03/26/17 03:33	1
2-Fluorophenol	54		35 - 120	03/21/17 07:27	03/26/17 03:33	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.50	0.092	ug/L		03/21/17 07:45	03/23/17 12:00	10
4,4'-DDE	0.19	J	0.50	0.12	ug/L		03/21/17 07:45	03/23/17 12:00	10
4,4'-DDT	ND		0.50	0.11	ug/L		03/21/17 07:45	03/23/17 12:00	10
Aldrin	ND		0.50	0.081	ug/L		03/21/17 07:45	03/23/17 12:00	10
alpha-BHC	ND		0.50	0.077	ug/L		03/21/17 07:45	03/23/17 12:00	10
alpha-Chlordane	2.0		0.50	0.15	ug/L		03/21/17 07:45	03/23/17 12:00	10
beta-BHC	ND		0.50	0.25	ug/L		03/21/17 07:45	03/23/17 12:00	10
delta-BHC	0.11	J	0.50	0.10	ug/L		03/21/17 07:45	03/23/17 12:00	10
Dieldrin	ND		0.50	0.098	ug/L		03/21/17 07:45	03/23/17 12:00	10
Endosulfan I	ND		0.50	0.11	ug/L		03/21/17 07:45	03/23/17 12:00	10
Endosulfan II	0.15	J	0.50	0.12	ug/L		03/21/17 07:45	03/23/17 12:00	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		03/21/17 07:45	03/23/17 12:00	10
Endrin	ND		0.50	0.14	ug/L		03/21/17 07:45	03/23/17 12:00	10
Endrin aldehyde	ND		0.50	0.16	ug/L		03/21/17 07:45	03/23/17 12:00	10
Endrin ketone	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 12:00	10
gamma-BHC (Lindane)	ND		0.50	0.080	ug/L		03/21/17 07:45	03/23/17 12:00	10
gamma-Chlordane	1.7		0.50	0.11	ug/L		03/21/17 07:45	03/23/17 12:00	10
Heptachlor	ND		0.50	0.085	ug/L		03/21/17 07:45	03/23/17 12:00	10
Heptachlor epoxide	ND		0.50	0.074	ug/L		03/21/17 07:45	03/23/17 12:00	10
Methoxychlor	ND		0.50	0.14	ug/L		03/21/17 07:45	03/23/17 12:00	10
Toxaphene	ND		5.0	1.2	ug/L		03/21/17 07:45	03/23/17 12:00	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	03/21/17 07:45	03/23/17 12:00	10
DCB Decachlorobiphenyl	0	X	20 - 120	03/21/17 07:45	03/23/17 12:00	10
Tetrachloro-m-xylene	217	X	44 - 120	03/21/17 07:45	03/23/17 12:00	10
Tetrachloro-m-xylene	101		44 - 120	03/21/17 07:45	03/23/17 12:00	10

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.8	J	2.0	0.92	ng/L		03/20/17 08:49	03/21/17 09:58	1
Perfluorohexanesulfonic acid (PFHxS)	15		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 09:58	1
Perfluoroheptanoic acid (PFHpA)	12		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 09:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	150		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 09:58	1
Perfluorononanoic acid (PFNA)	5.0		2.0	0.65	ng/L		03/20/17 08:49	03/21/17 09:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	96		25 - 150				03/20/17 08:49	03/21/17 09:58	1
13C4-PFHpA	109		25 - 150				03/20/17 08:49	03/21/17 09:58	1
13C4 PFOA	101		25 - 150				03/20/17 08:49	03/21/17 09:58	1
13C5 PFNA	92		25 - 150				03/20/17 08:49	03/21/17 09:58	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1500		20	13	ng/L		03/20/17 08:49	03/21/17 20:31	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	106		25 - 150				03/20/17 08:49	03/21/17 20:31	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-3 031617

Lab Sample ID: 480-114768-20

Date Collected: 03/16/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 144					03/26/17 03:48	1
4-Bromofluorobenzene	112		72 - 133					03/26/17 03:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/22/17 01:31	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/17 01:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/17 01:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/17 01:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/17 01:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/17 01:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/17 01:31	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/17 01:31	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 01:31	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/17 01:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 01:31	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/17 01:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/17 01:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/17 01:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/17 01:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/17 01:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/17 01:31	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/17 01:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/17 01:31	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/17 01:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/17 01:31	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/17 01:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/17 01:31	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/17 01:31	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/17 01:31	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/17 01:31	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/22/17 01:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/17 01:31	1
Acetone	ND		10	3.0	ug/L			03/22/17 01:31	1
Benzene	ND		1.0	0.41	ug/L			03/22/17 01:31	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/17 01:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/17 01:31	1
Bromoform	ND		1.0	0.26	ug/L			03/22/17 01:31	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/17 01:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/17 01:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/17 01:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/17 01:31	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/22/17 01:31	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/17 01:31	1
Chloroform	ND		1.0	0.34	ug/L			03/22/17 01:31	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/17 01:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/17 01:31	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-3 031617

Lab Sample ID: 480-114768-20

Date Collected: 03/16/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/17 01:31	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/17 01:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/17 01:31	1
Dibromomethane	ND		1.0	0.41	ug/L			03/22/17 01:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/17 01:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/17 01:31	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/22/17 01:31	1
Iodomethane	ND		1.0	0.30	ug/L			03/22/17 01:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/17 01:31	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/22/17 01:31	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/17 01:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/17 01:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/17 01:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/17 01:31	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/17 01:31	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/17 01:31	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/17 01:31	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/17 01:31	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/17 01:31	1
Styrene	ND		1.0	0.73	ug/L			03/22/17 01:31	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/17 01:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/17 01:31	1
Toluene	ND		1.0	0.51	ug/L			03/22/17 01:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/17 01:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/17 01:31	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/17 01:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/17 01:31	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/17 01:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/17 01:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/17 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		03/22/17 01:31	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/22/17 01:31	1
Dibromofluoromethane (Surr)	107		75 - 123		03/22/17 01:31	1
Toluene-d8 (Surr)	97		80 - 120		03/22/17 01:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/28/17 16:58	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/28/17 16:58	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/28/17 16:58	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/28/17 16:58	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/28/17 16:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-3 031617

Lab Sample ID: 480-114768-20

Date Collected: 03/16/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/28/17 16:58	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/28/17 16:58	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/28/17 16:58	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/28/17 16:58	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/21/17 07:27	03/28/17 16:58	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/28/17 16:58	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Methylphenol	ND		10	0.36	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Nitroaniline	ND *		10	0.25	ug/L		03/21/17 07:27	03/28/17 16:58	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/28/17 16:58	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/28/17 16:58	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/28/17 16:58	1
Acetophenone	ND		5.0	0.54	ug/L		03/21/17 07:27	03/28/17 16:58	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/28/17 16:58	1
Atrazine	ND *		5.0	0.46	ug/L		03/21/17 07:27	03/28/17 16:58	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/28/17 16:58	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/28/17 16:58	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/28/17 16:58	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/28/17 16:58	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/28/17 16:58	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/28/17 16:58	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/28/17 16:58	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/28/17 16:58	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/28/17 16:58	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/28/17 16:58	1
Caprolactam	ND		5.0	2.2	ug/L		03/21/17 07:27	03/28/17 16:58	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/28/17 16:58	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/28/17 16:58	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		03/21/17 07:27	03/28/17 16:58	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		03/21/17 07:27	03/28/17 16:58	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/28/17 16:58	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/28/17 16:58	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/28/17 16:58	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		03/21/17 07:27	03/28/17 16:58	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/28/17 16:58	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/28/17 16:58	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/28/17 16:58	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/28/17 16:58	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/28/17 16:58	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/28/17 16:58	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/28/17 16:58	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/28/17 16:58	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/28/17 16:58	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/28/17 16:58	1
Naphthalene	ND		5.0	0.76	ug/L		03/21/17 07:27	03/28/17 16:58	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-3 031617

Lab Sample ID: 480-114768-20

Date Collected: 03/16/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND		5.0	0.29	ug/L		03/21/17 07:27	03/28/17 16:58	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/28/17 16:58	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/28/17 16:58	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/28/17 16:58	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/28/17 16:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	93		46 - 120	03/21/17 07:27	03/28/17 16:58	1
Phenol-d5	47		22 - 120	03/21/17 07:27	03/28/17 16:58	1
p-Terphenyl-d14	109		59 - 136	03/21/17 07:27	03/28/17 16:58	1
2,4,6-Tribromophenol	101		41 - 120	03/21/17 07:27	03/28/17 16:58	1
2-Fluorobiphenyl	98		48 - 120	03/21/17 07:27	03/28/17 16:58	1
2-Fluorophenol	64		35 - 120	03/21/17 07:27	03/28/17 16:58	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/21/17 07:45	03/23/17 12:20	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 12:20	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 12:20	1
Aldrin	ND		0.050	0.0081	ug/L		03/21/17 07:45	03/23/17 12:20	1
alpha-BHC	0.015	J	0.050	0.0077	ug/L		03/21/17 07:45	03/23/17 12:20	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/21/17 07:45	03/23/17 12:20	1
beta-BHC	ND		0.050	0.025	ug/L		03/21/17 07:45	03/23/17 12:20	1
delta-BHC	0.016	J	0.050	0.010	ug/L		03/21/17 07:45	03/23/17 12:20	1
Dieldrin	ND		0.050	0.0098	ug/L		03/21/17 07:45	03/23/17 12:20	1
Endosulfan I	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 12:20	1
Endosulfan II	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 12:20	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 12:20	1
Endrin	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 12:20	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/21/17 07:45	03/23/17 12:20	1
Endrin ketone	ND		0.050	0.012	ug/L		03/21/17 07:45	03/23/17 12:20	1
gamma-BHC (Lindane)	0.011	J	0.050	0.0080	ug/L		03/21/17 07:45	03/23/17 12:20	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/21/17 07:45	03/23/17 12:20	1
Heptachlor	ND		0.050	0.0085	ug/L		03/21/17 07:45	03/23/17 12:20	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/21/17 07:45	03/23/17 12:20	1
Methoxychlor	ND		0.050	0.014	ug/L		03/21/17 07:45	03/23/17 12:20	1
Toxaphene	ND		0.50	0.12	ug/L		03/21/17 07:45	03/23/17 12:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		20 - 120	03/21/17 07:45	03/23/17 12:20	1
DCB Decachlorobiphenyl	69		20 - 120	03/21/17 07:45	03/23/17 12:20	1
Tetrachloro-m-xylene	102		44 - 120	03/21/17 07:45	03/23/17 12:20	1
Tetrachloro-m-xylene	99		44 - 120	03/21/17 07:45	03/23/17 12:20	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	4.6		2.0	0.92	ng/L		03/20/17 08:49	03/21/17 10:16	1
Perfluorohexanesulfonic acid (PFHxS)	37		2.0	0.87	ng/L		03/20/17 08:49	03/21/17 10:16	1
Perfluoroheptanoic acid (PFHpA)	2.7		2.0	0.80	ng/L		03/20/17 08:49	03/21/17 10:16	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-3 031617

Lab Sample ID: 480-114768-20

Date Collected: 03/16/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	20		2.0	0.75	ng/L		03/20/17 08:49	03/21/17 10:16	1
Perfluorooctanesulfonic acid (PFOS)	240		2.0	1.3	ng/L		03/20/17 08:49	03/21/17 10:16	1
Perfluorononanoic acid (PFNA)	0.80	J	2.0	0.65	ng/L		03/20/17 08:49	03/21/17 10:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	100		25 - 150				03/20/17 08:49	03/21/17 10:16	1
13C4-PFHpA	117		25 - 150				03/20/17 08:49	03/21/17 10:16	1
13C4 PFOA	113		25 - 150				03/20/17 08:49	03/21/17 10:16	1
13C4 PFOS	101		25 - 150				03/20/17 08:49	03/21/17 10:16	1
13C5 PFNA	112		25 - 150				03/20/17 08:49	03/21/17 10:16	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-1 031617

Lab Sample ID: 480-114768-21

Date Collected: 03/16/17 10:54

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 04:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114	*	71 - 144					03/26/17 04:11	1
4-Bromofluorobenzene	309	X	72 - 133					03/26/17 04:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.70	ug/L			03/21/17 04:46	2
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			03/21/17 04:46	2
1,1,1,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/21/17 04:46	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1 F2	2.0	0.62	ug/L			03/21/17 04:46	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/21/17 04:46	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			03/21/17 04:46	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			03/21/17 04:46	2
1,1-Dichloropropene	ND		2.0	1.4	ug/L			03/21/17 04:46	2
1,2,3-Trichlorobenzene	ND		2.0	0.82	ug/L			03/21/17 04:46	2
1,2,3-Trichloropropane	ND		2.0	1.8	ug/L			03/21/17 04:46	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			03/21/17 04:46	2
1,2,4-Trimethylbenzene	51		2.0	1.5	ug/L			03/21/17 04:46	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			03/21/17 04:46	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			03/21/17 04:46	2
1,2-Dichlorobenzene	3.9		2.0	1.6	ug/L			03/21/17 04:46	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/21/17 04:46	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/21/17 04:46	2
1,3,5-Trimethylbenzene	62		2.0	1.5	ug/L			03/21/17 04:46	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			03/21/17 04:46	2
1,3-Dichloropropane	ND		2.0	1.5	ug/L			03/21/17 04:46	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			03/21/17 04:46	2
2,2-Dichloropropane	ND		2.0	0.80	ug/L			03/21/17 04:46	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/21/17 04:46	2
2-Chlorotoluene	ND		2.0	1.7	ug/L			03/21/17 04:46	2
2-Hexanone	ND		10	2.5	ug/L			03/21/17 04:46	2
4-Chlorotoluene	ND		2.0	1.7	ug/L			03/21/17 04:46	2
4-Isopropyltoluene	10		2.0	0.62	ug/L			03/21/17 04:46	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/21/17 04:46	2
Acetone	6.5 J		20	6.0	ug/L			03/21/17 04:46	2
Benzene	ND		2.0	0.82	ug/L			03/21/17 04:46	2
Bromobenzene	ND		2.0	1.6	ug/L			03/21/17 04:46	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/21/17 04:46	2
Bromoform	ND		2.0	0.52	ug/L			03/21/17 04:46	2
Bromomethane	ND		2.0	1.4	ug/L			03/21/17 04:46	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/21/17 04:46	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/21/17 04:46	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/21/17 04:46	2
Chlorobromomethane	ND		2.0	1.7	ug/L			03/21/17 04:46	2
Chloroethane	ND		2.0	0.64	ug/L			03/21/17 04:46	2
Chloroform	ND		2.0	0.68	ug/L			03/21/17 04:46	2
Chloromethane	ND		2.0	0.70	ug/L			03/21/17 04:46	2
cis-1,2-Dichloroethene	ND		2.0	1.6	ug/L			03/21/17 04:46	2

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-1 031617

Lab Sample ID: 480-114768-21

Date Collected: 03/16/17 10:54

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/21/17 04:46	2
Cyclohexane	ND	F2	2.0	0.36	ug/L			03/21/17 04:46	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/21/17 04:46	2
Dibromomethane	ND		2.0	0.82	ug/L			03/21/17 04:46	2
Dichlorodifluoromethane	ND	F1 F2	2.0	1.4	ug/L			03/21/17 04:46	2
Ethylbenzene	3.6		2.0	1.5	ug/L			03/21/17 04:46	2
Hexachlorobutadiene	ND		2.0	0.56	ug/L			03/21/17 04:46	2
Iodomethane	ND		2.0	0.60	ug/L			03/21/17 04:46	2
Isopropylbenzene	2.1		2.0	1.6	ug/L			03/21/17 04:46	2
m,p-Xylene	7.7		4.0	1.3	ug/L			03/21/17 04:46	2
Methyl acetate	ND		5.0	2.6	ug/L			03/21/17 04:46	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			03/21/17 04:46	2
Methylcyclohexane	0.51	J F1 F2	2.0	0.32	ug/L			03/21/17 04:46	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/21/17 04:46	2
Naphthalene	17		2.0	0.86	ug/L			03/21/17 04:46	2
n-Butylbenzene	14		2.0	1.3	ug/L			03/21/17 04:46	2
N-Propylbenzene	3.5		2.0	1.4	ug/L			03/21/17 04:46	2
o-Xylene	33		2.0	1.5	ug/L			03/21/17 04:46	2
sec-Butylbenzene	4.5		2.0	1.5	ug/L			03/21/17 04:46	2
Styrene	ND		2.0	1.5	ug/L			03/21/17 04:46	2
tert-Butylbenzene	ND		2.0	1.6	ug/L			03/21/17 04:46	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/21/17 04:46	2
Toluene	ND		2.0	1.0	ug/L			03/21/17 04:46	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/21/17 04:46	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/21/17 04:46	2
Trichloroethene	2.1		2.0	0.92	ug/L			03/21/17 04:46	2
Trichlorofluoromethane	ND	F2	2.0	1.8	ug/L			03/21/17 04:46	2
Vinyl acetate	ND		10	1.7	ug/L			03/21/17 04:46	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/21/17 04:46	2
Xylenes, Total	41		4.0	1.3	ug/L			03/21/17 04:46	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		03/21/17 04:46	2
4-Bromofluorobenzene (Surr)	98		73 - 120		03/21/17 04:46	2
Dibromofluoromethane (Surr)	109		75 - 123		03/21/17 04:46	2
Toluene-d8 (Surr)	97		80 - 120		03/21/17 04:46	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		03/21/17 07:27	03/25/17 19:04	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,4,6-Trichlorophenol	ND	* F1	5.0	0.61	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/21/17 07:27	03/25/17 19:04	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 19:04	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		03/21/17 07:27	03/25/17 19:04	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/21/17 07:27	03/25/17 19:04	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-1 031617

Lab Sample ID: 480-114768-21

Date Collected: 03/16/17 10:54

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 19:04	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		03/21/17 07:27	03/25/17 19:04	1
2-Nitroaniline	ND		10	0.42	ug/L		03/21/17 07:27	03/25/17 19:04	1
2-Nitrophenol	ND		5.0	0.48	ug/L		03/21/17 07:27	03/25/17 19:04	1
3,3'-Dichlorobenzidine	ND	F1	5.0	0.40	ug/L		03/21/17 07:27	03/25/17 19:04	1
3-Nitroaniline	ND		10	0.48	ug/L		03/21/17 07:27	03/25/17 19:04	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Chloroaniline	ND	F2	5.0	0.59	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Methylphenol	0.45	J	10	0.36	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Nitroaniline	ND	* F2	10	0.25	ug/L		03/21/17 07:27	03/25/17 19:04	1
4-Nitrophenol	ND		10	1.5	ug/L		03/21/17 07:27	03/25/17 19:04	1
Acenaphthene	ND		5.0	0.41	ug/L		03/21/17 07:27	03/25/17 19:04	1
Acenaphthylene	ND		5.0	0.38	ug/L		03/21/17 07:27	03/25/17 19:04	1
Acetophenone	ND	F1	5.0	0.54	ug/L		03/21/17 07:27	03/25/17 19:04	1
Anthracene	ND		5.0	0.28	ug/L		03/21/17 07:27	03/25/17 19:04	1
Atrazine	ND	*	5.0	0.46	ug/L		03/21/17 07:27	03/25/17 19:04	1
Benzaldehyde	ND		5.0	0.27	ug/L		03/21/17 07:27	03/25/17 19:04	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 19:04	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 19:04	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 19:04	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 19:04	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		03/21/17 07:27	03/25/17 19:04	1
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		03/21/17 07:27	03/25/17 19:04	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 19:04	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		03/21/17 07:27	03/25/17 19:04	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		03/21/17 07:27	03/25/17 19:04	1
Caprolactam	ND	F1	5.0	2.2	ug/L		03/21/17 07:27	03/25/17 19:04	1
Carbazole	ND		5.0	0.30	ug/L		03/21/17 07:27	03/25/17 19:04	1
Chrysene	ND		5.0	0.33	ug/L		03/21/17 07:27	03/25/17 19:04	1
Dibenz(a,h)anthracene	ND	F2	5.0	0.42	ug/L		03/21/17 07:27	03/25/17 19:04	1
Di-n-butyl phthalate	3.6	J	5.0	0.31	ug/L		03/21/17 07:27	03/25/17 19:04	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 19:04	1
Dibenzofuran	ND		10	0.51	ug/L		03/21/17 07:27	03/25/17 19:04	1
Diethyl phthalate	ND		5.0	0.22	ug/L		03/21/17 07:27	03/25/17 19:04	1
Dimethyl phthalate	ND	F2	5.0	0.36	ug/L		03/21/17 07:27	03/25/17 19:04	1
Fluoranthene	ND		5.0	0.40	ug/L		03/21/17 07:27	03/25/17 19:04	1
Fluorene	ND		5.0	0.36	ug/L		03/21/17 07:27	03/25/17 19:04	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 19:04	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/21/17 07:27	03/25/17 19:04	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 19:04	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/21/17 07:27	03/25/17 19:04	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		03/21/17 07:27	03/25/17 19:04	1
Isophorone	ND		5.0	0.43	ug/L		03/21/17 07:27	03/25/17 19:04	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/21/17 07:27	03/25/17 19:04	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		03/21/17 07:27	03/25/17 19:04	1
Naphthalene	2.1	J	5.0	0.76	ug/L		03/21/17 07:27	03/25/17 19:04	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-1 031617

Lab Sample ID: 480-114768-21

Date Collected: 03/16/17 10:54

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	F1	5.0	0.29	ug/L		03/21/17 07:27	03/25/17 19:04	1
Pentachlorophenol	ND		10	2.2	ug/L		03/21/17 07:27	03/25/17 19:04	1
Phenanthrene	ND		5.0	0.44	ug/L		03/21/17 07:27	03/25/17 19:04	1
Phenol	ND		5.0	0.39	ug/L		03/21/17 07:27	03/25/17 19:04	1
Pyrene	ND		5.0	0.34	ug/L		03/21/17 07:27	03/25/17 19:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	100		46 - 120	03/21/17 07:27	03/25/17 19:04	1
Phenol-d5	53		22 - 120	03/21/17 07:27	03/25/17 19:04	1
p-Terphenyl-d14	100		59 - 136	03/21/17 07:27	03/25/17 19:04	1
2,4,6-Tribromophenol	127	X	41 - 120	03/21/17 07:27	03/25/17 19:04	1
2-Fluorobiphenyl	85		48 - 120	03/21/17 07:27	03/25/17 19:04	1
2-Fluorophenol	72		35 - 120	03/21/17 07:27	03/25/17 19:04	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.25	0.046	ug/L		03/21/17 07:45	03/22/17 12:29	5
4,4'-DDE	ND		0.25	0.058	ug/L		03/21/17 07:45	03/22/17 12:29	5
4,4'-DDT	ND		0.25	0.055	ug/L		03/21/17 07:45	03/22/17 12:29	5
Aldrin	ND	F2	0.25	0.041	ug/L		03/21/17 07:45	03/22/17 12:29	5
alpha-BHC	ND		0.25	0.039	ug/L		03/21/17 07:45	03/22/17 12:29	5
alpha-Chlordane	ND		0.25	0.074	ug/L		03/21/17 07:45	03/22/17 12:29	5
beta-BHC	ND		0.25	0.12	ug/L		03/21/17 07:45	03/22/17 12:29	5
delta-BHC	ND		0.25	0.050	ug/L		03/21/17 07:45	03/22/17 12:29	5
Dieldrin	ND		0.25	0.049	ug/L		03/21/17 07:45	03/22/17 12:29	5
Endosulfan I	ND		0.25	0.055	ug/L		03/21/17 07:45	03/22/17 12:29	5
Endosulfan II	ND		0.25	0.060	ug/L		03/21/17 07:45	03/22/17 12:29	5
Endosulfan sulfate	ND		0.25	0.079	ug/L		03/21/17 07:45	03/22/17 12:29	5
Endrin	ND		0.25	0.069	ug/L		03/21/17 07:45	03/22/17 12:29	5
Endrin aldehyde	ND		0.25	0.082	ug/L		03/21/17 07:45	03/22/17 12:29	5
Endrin ketone	ND		0.25	0.060	ug/L		03/21/17 07:45	03/22/17 12:29	5
gamma-BHC (Lindane)	ND		0.25	0.040	ug/L		03/21/17 07:45	03/22/17 12:29	5
gamma-Chlordane	ND		0.25	0.055	ug/L		03/21/17 07:45	03/22/17 12:29	5
Heptachlor	ND		0.25	0.043	ug/L		03/21/17 07:45	03/22/17 12:29	5
Heptachlor epoxide	ND		0.25	0.037	ug/L		03/21/17 07:45	03/22/17 12:29	5
Methoxychlor	ND		0.25	0.071	ug/L		03/21/17 07:45	03/22/17 12:29	5
Toxaphene	ND		2.5	0.60	ug/L		03/21/17 07:45	03/22/17 12:29	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		20 - 120	03/21/17 07:45	03/22/17 12:29	5
DCB Decachlorobiphenyl	60		20 - 120	03/21/17 07:45	03/22/17 12:29	5
Tetrachloro-m-xylene	171	X	44 - 120	03/21/17 07:45	03/22/17 12:29	5
Tetrachloro-m-xylene	105		44 - 120	03/21/17 07:45	03/22/17 12:29	5

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	2.0		2.0	0.92	ng/L		03/20/17 08:46	03/21/17 01:24	1
Perfluorohexanesulfonic acid (PFHxS)	14		2.0	0.87	ng/L		03/20/17 08:46	03/21/17 01:24	1
Perfluoroheptanoic acid (PFHpA)	20		2.0	0.80	ng/L		03/20/17 08:46	03/21/17 01:24	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-1 031617

Lab Sample ID: 480-114768-21

Date Collected: 03/16/17 10:54

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	110		2.0	0.75	ng/L		03/20/17 08:46	03/21/17 01:24	1
Perfluorononanoic acid (PFNA)	2.5		2.0	0.65	ng/L		03/20/17 08:46	03/21/17 01:24	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	92		25 - 150				03/20/17 08:46	03/21/17 01:24	1
13C4-PFHpA	95		25 - 150				03/20/17 08:46	03/21/17 01:24	1
13C4 PFOA	96		25 - 150				03/20/17 08:46	03/21/17 01:24	1
13C4 PFOS	79		25 - 150				03/20/17 08:46	03/21/17 01:24	1
13C5 PFNA	93		25 - 150				03/20/17 08:46	03/21/17 01:24	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1400		20	13	ng/L		03/20/17 08:46	03/21/17 20:49	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	107		25 - 150				03/20/17 08:46	03/21/17 20:49	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-4 031617

Lab Sample ID: 480-114768-22

Date Collected: 03/16/17 11:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 144					03/26/17 22:38	1
4-Bromofluorobenzene	100		72 - 133					03/26/17 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/22/17 01:54	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/17 01:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/17 01:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/17 01:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/17 01:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/17 01:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/17 01:54	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/17 01:54	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 01:54	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/17 01:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 01:54	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/17 01:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/17 01:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/17 01:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/17 01:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/17 01:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/17 01:54	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/17 01:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/17 01:54	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/17 01:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/17 01:54	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/17 01:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/17 01:54	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/17 01:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/17 01:54	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/17 01:54	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/22/17 01:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/17 01:54	1
Acetone	3.0 J		10	3.0	ug/L			03/22/17 01:54	1
Benzene	ND		1.0	0.41	ug/L			03/22/17 01:54	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/17 01:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/17 01:54	1
Bromoform	ND		1.0	0.26	ug/L			03/22/17 01:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/17 01:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/17 01:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/17 01:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/17 01:54	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/22/17 01:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/17 01:54	1
Chloroform	ND		1.0	0.34	ug/L			03/22/17 01:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/17 01:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/17 01:54	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-4 031617

Lab Sample ID: 480-114768-22

Date Collected: 03/16/17 11:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/17 01:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/17 01:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/17 01:54	1
Dibromomethane	ND		1.0	0.41	ug/L			03/22/17 01:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/17 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/17 01:54	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/22/17 01:54	1
Iodomethane	ND		1.0	0.30	ug/L			03/22/17 01:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/17 01:54	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/22/17 01:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/17 01:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/17 01:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/17 01:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/17 01:54	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/17 01:54	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/17 01:54	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/17 01:54	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/17 01:54	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/17 01:54	1
Styrene	ND		1.0	0.73	ug/L			03/22/17 01:54	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/17 01:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/17 01:54	1
Toluene	ND		1.0	0.51	ug/L			03/22/17 01:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/17 01:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/17 01:54	1
Trichloroethene	1.0		1.0	0.46	ug/L			03/22/17 01:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/17 01:54	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/17 01:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/17 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/17 01:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		03/22/17 01:54	1
4-Bromofluorobenzene (Surr)	105		73 - 120		03/22/17 01:54	1
Dibromofluoromethane (Surr)	105		75 - 123		03/22/17 01:54	1
Toluene-d8 (Surr)	105		80 - 120		03/22/17 01:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND	*	5.0	0.65	ug/L		03/22/17 07:53	03/23/17 20:37	1
bis (2-chloroisopropyl) ether	ND	*	5.0	0.52	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,4,5-Trichlorophenol	ND	*	5.0	0.48	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,4,6-Trichlorophenol	ND	*	5.0	0.61	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,4-Dichlorophenol	ND	*	5.0	0.51	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,4-Dinitrophenol	ND	*	10	2.2	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,4-Dinitrotoluene	ND	*	5.0	0.45	ug/L		03/22/17 07:53	03/23/17 20:37	1
2,6-Dinitrotoluene	ND	*	5.0	0.40	ug/L		03/22/17 07:53	03/23/17 20:37	1
2-Chloronaphthalene	ND	*	5.0	0.46	ug/L		03/22/17 07:53	03/23/17 20:37	1
2-Chlorophenol	ND		5.0	0.53	ug/L		03/22/17 07:53	03/23/17 20:37	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-4 031617

Lab Sample ID: 480-114768-22

Date Collected: 03/16/17 11:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		5.0	0.40	ug/L		03/22/17 07:53	03/23/17 20:37	1
2-Methylnaphthalene	ND	*	5.0	0.60	ug/L		03/22/17 07:53	03/23/17 20:37	1
2-Nitroaniline	ND	*	10	0.42	ug/L		03/22/17 07:53	03/23/17 20:37	1
2-Nitrophenol	ND	*	5.0	0.48	ug/L		03/22/17 07:53	03/23/17 20:37	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		03/22/17 07:53	03/23/17 20:37	1
3-Nitroaniline	ND		10	0.48	ug/L		03/22/17 07:53	03/23/17 20:37	1
4,6-Dinitro-2-methylphenol	ND	*	10	2.2	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Bromophenyl phenyl ether	ND	*	5.0	0.45	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Chloroaniline	ND		5.0	0.59	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Chlorophenyl phenyl ether	ND	*	5.0	0.35	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Methylphenol	ND		10	0.36	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Nitroaniline	ND		10	0.25	ug/L		03/22/17 07:53	03/23/17 20:37	1
4-Nitrophenol	ND		10	1.5	ug/L		03/22/17 07:53	03/23/17 20:37	1
Acenaphthene	ND	*	5.0	0.41	ug/L		03/22/17 07:53	03/23/17 20:37	1
Acenaphthylene	ND	*	5.0	0.38	ug/L		03/22/17 07:53	03/23/17 20:37	1
Acetophenone	ND	*	5.0	0.54	ug/L		03/22/17 07:53	03/23/17 20:37	1
Anthracene	ND	*	5.0	0.28	ug/L		03/22/17 07:53	03/23/17 20:37	1
Atrazine	ND	*	5.0	0.46	ug/L		03/22/17 07:53	03/23/17 20:37	1
Benzaldehyde	ND	*	5.0	0.27	ug/L		03/22/17 07:53	03/23/17 20:37	1
Benzo(a)anthracene	ND	*	5.0	0.36	ug/L		03/22/17 07:53	03/23/17 20:37	1
Benzo(a)pyrene	ND	*	5.0	0.47	ug/L		03/22/17 07:53	03/23/17 20:37	1
Benzo(b)fluoranthene	ND	*	5.0	0.34	ug/L		03/22/17 07:53	03/23/17 20:37	1
Benzo(g,h,i)perylene	ND	*	5.0	0.35	ug/L		03/22/17 07:53	03/23/17 20:37	1
Benzo(k)fluoranthene	ND	*	5.0	0.73	ug/L		03/22/17 07:53	03/23/17 20:37	1
Bis(2-chloroethoxy)methane	ND	*	5.0	0.35	ug/L		03/22/17 07:53	03/23/17 20:37	1
Bis(2-chloroethyl)ether	ND	*	5.0	0.40	ug/L		03/22/17 07:53	03/23/17 20:37	1
Bis(2-ethylhexyl) phthalate	ND	*	5.0	2.2	ug/L		03/22/17 07:53	03/23/17 20:37	1
Butyl benzyl phthalate	ND	*	5.0	1.0	ug/L		03/22/17 07:53	03/23/17 20:37	1
Caprolactam	ND		5.0	2.2	ug/L		03/22/17 07:53	03/23/17 20:37	1
Carbazole	ND	*	5.0	0.30	ug/L		03/22/17 07:53	03/23/17 20:37	1
Chrysene	ND	*	5.0	0.33	ug/L		03/22/17 07:53	03/23/17 20:37	1
Dibenz(a,h)anthracene	ND	*	5.0	0.42	ug/L		03/22/17 07:53	03/23/17 20:37	1
Di-n-butyl phthalate	ND	*	5.0	0.31	ug/L		03/22/17 07:53	03/23/17 20:37	1
Di-n-octyl phthalate	ND	*	5.0	0.47	ug/L		03/22/17 07:53	03/23/17 20:37	1
Dibenzofuran	ND	*	10	0.51	ug/L		03/22/17 07:53	03/23/17 20:37	1
Diethyl phthalate	ND	*	5.0	0.22	ug/L		03/22/17 07:53	03/23/17 20:37	1
Dimethyl phthalate	ND	*	5.0	0.36	ug/L		03/22/17 07:53	03/23/17 20:37	1
Fluoranthene	ND	*	5.0	0.40	ug/L		03/22/17 07:53	03/23/17 20:37	1
Fluorene	ND	*	5.0	0.36	ug/L		03/22/17 07:53	03/23/17 20:37	1
Hexachlorobenzene	ND	*	5.0	0.51	ug/L		03/22/17 07:53	03/23/17 20:37	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		03/22/17 07:53	03/23/17 20:37	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		03/22/17 07:53	03/23/17 20:37	1
Hexachloroethane	ND		5.0	0.59	ug/L		03/22/17 07:53	03/23/17 20:37	1
Indeno(1,2,3-cd)pyrene	ND	*	5.0	0.47	ug/L		03/22/17 07:53	03/23/17 20:37	1
Isophorone	ND	*	5.0	0.43	ug/L		03/22/17 07:53	03/23/17 20:37	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		03/22/17 07:53	03/23/17 20:37	1
N-Nitrosodiphenylamine	ND	*	5.0	0.51	ug/L		03/22/17 07:53	03/23/17 20:37	1
Naphthalene	ND		5.0	0.76	ug/L		03/22/17 07:53	03/23/17 20:37	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-4 031617

Lab Sample ID: 480-114768-22

Date Collected: 03/16/17 11:50

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	ND	*	5.0	0.29	ug/L		03/22/17 07:53	03/23/17 20:37	1
Pentachlorophenol	ND	*	10	2.2	ug/L		03/22/17 07:53	03/23/17 20:37	1
Phenanthrene	ND	*	5.0	0.44	ug/L		03/22/17 07:53	03/23/17 20:37	1
Phenol	ND		5.0	0.39	ug/L		03/22/17 07:53	03/23/17 20:37	1
Pyrene	ND	*	5.0	0.34	ug/L		03/22/17 07:53	03/23/17 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	75		46 - 120	03/22/17 07:53	03/23/17 20:37	1
Phenol-d5	40		22 - 120	03/22/17 07:53	03/23/17 20:37	1
p-Terphenyl-d14	80		59 - 136	03/22/17 07:53	03/23/17 20:37	1
2,4,6-Tribromophenol	92		41 - 120	03/22/17 07:53	03/23/17 20:37	1
2-Fluorobiphenyl	77		48 - 120	03/22/17 07:53	03/23/17 20:37	1
2-Fluorophenol	56		35 - 120	03/22/17 07:53	03/23/17 20:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.050	0.0092	ug/L		03/22/17 07:42	03/23/17 14:37	1
4,4'-DDE	ND		0.050	0.012	ug/L		03/22/17 07:42	03/23/17 14:37	1
4,4'-DDT	ND		0.050	0.011	ug/L		03/22/17 07:42	03/23/17 14:37	1
Aldrin	ND		0.050	0.0081	ug/L		03/22/17 07:42	03/23/17 14:37	1
alpha-BHC	ND		0.050	0.0077	ug/L		03/22/17 07:42	03/23/17 14:37	1
alpha-Chlordane	ND		0.050	0.015	ug/L		03/22/17 07:42	03/23/17 14:37	1
beta-BHC	ND		0.050	0.025	ug/L		03/22/17 07:42	03/23/17 14:37	1
delta-BHC	ND		0.050	0.010	ug/L		03/22/17 07:42	03/23/17 14:37	1
Dieldrin	ND		0.050	0.0098	ug/L		03/22/17 07:42	03/23/17 14:37	1
Endosulfan I	ND		0.050	0.011	ug/L		03/22/17 07:42	03/23/17 14:37	1
Endosulfan II	ND		0.050	0.012	ug/L		03/22/17 07:42	03/23/17 14:37	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		03/22/17 07:42	03/23/17 14:37	1
Endrin	ND		0.050	0.014	ug/L		03/22/17 07:42	03/23/17 14:37	1
Endrin aldehyde	ND		0.050	0.016	ug/L		03/22/17 07:42	03/23/17 14:37	1
Endrin ketone	ND		0.050	0.012	ug/L		03/22/17 07:42	03/23/17 14:37	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		03/22/17 07:42	03/23/17 14:37	1
gamma-Chlordane	ND		0.050	0.011	ug/L		03/22/17 07:42	03/23/17 14:37	1
Heptachlor	ND		0.050	0.0085	ug/L		03/22/17 07:42	03/23/17 14:37	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		03/22/17 07:42	03/23/17 14:37	1
Methoxychlor	ND		0.050	0.014	ug/L		03/22/17 07:42	03/23/17 14:37	1
Toxaphene	ND		0.50	0.12	ug/L		03/22/17 07:42	03/23/17 14:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	61		20 - 120	03/22/17 07:42	03/23/17 14:37	1
DCB Decachlorobiphenyl	58		20 - 120	03/22/17 07:42	03/23/17 14:37	1
Tetrachloro-m-xylene	77		44 - 120	03/22/17 07:42	03/23/17 14:37	1
Tetrachloro-m-xylene	75		44 - 120	03/22/17 07:42	03/23/17 14:37	1

Method: PFAS - Perfluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	1.1	J	2.0	0.92	ng/L		03/20/17 09:05	03/21/17 02:19	1
Perfluorohexanesulfonic acid (PFHxS)	12		2.0	0.87	ng/L		03/20/17 09:05	03/21/17 02:19	1
Perfluoroheptanoic acid (PFHpA)	9.4		2.0	0.80	ng/L		03/20/17 09:05	03/21/17 02:19	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-4 031617

Lab Sample ID: 480-114768-22

Date Collected: 03/16/17 11:50

Matrix: Water

Date Received: 03/18/17 00:45

Method: PFAS - Perfluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	75		2.0	0.75	ng/L		03/20/17 09:05	03/21/17 02:19	1
Perfluorononanoic acid (PFNA)	5.5		2.0	0.65	ng/L		03/20/17 09:05	03/21/17 02:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	96		25 - 150				03/20/17 09:05	03/21/17 02:19	1
13C4-PFH ₂ PA	107		25 - 150				03/20/17 09:05	03/21/17 02:19	1
13C4 PFOA	101		25 - 150				03/20/17 09:05	03/21/17 02:19	1
13C5 PFNA	97		25 - 150				03/20/17 09:05	03/21/17 02:19	1

Method: PFAS - Perfluorinated Alkyl Substances - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1300		20	13	ng/L		03/20/17 09:05	03/21/17 21:44	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFOS	105		25 - 150				03/20/17 09:05	03/21/17 21:44	10

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-114768-23

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.40	0.20	ug/L			03/26/17 22:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		71 - 144					03/26/17 22:16	1
4-Bromofluorobenzene	105		72 - 133					03/26/17 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			03/22/17 02:17	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/22/17 02:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/22/17 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/22/17 02:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/22/17 02:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/22/17 02:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/22/17 02:17	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/22/17 02:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 02:17	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/22/17 02:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/22/17 02:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/22/17 02:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/22/17 02:17	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/22/17 02:17	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/22/17 02:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/22/17 02:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/22/17 02:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/22/17 02:17	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/22/17 02:17	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/22/17 02:17	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/22/17 02:17	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/22/17 02:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/22/17 02:17	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/22/17 02:17	1
2-Hexanone	ND		5.0	1.2	ug/L			03/22/17 02:17	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/22/17 02:17	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/22/17 02:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/22/17 02:17	1
Acetone	ND		10	3.0	ug/L			03/22/17 02:17	1
Benzene	ND		1.0	0.41	ug/L			03/22/17 02:17	1
Bromobenzene	ND		1.0	0.80	ug/L			03/22/17 02:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/22/17 02:17	1
Bromoform	ND		1.0	0.26	ug/L			03/22/17 02:17	1
Bromomethane	ND		1.0	0.69	ug/L			03/22/17 02:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/22/17 02:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/22/17 02:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/22/17 02:17	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/22/17 02:17	1
Chloroethane	ND		1.0	0.32	ug/L			03/22/17 02:17	1
Chloroform	ND		1.0	0.34	ug/L			03/22/17 02:17	1
Chloromethane	ND		1.0	0.35	ug/L			03/22/17 02:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/22/17 02:17	1

TestAmerica Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-114768-23

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/22/17 02:17	1
Cyclohexane	ND		1.0	0.18	ug/L			03/22/17 02:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/22/17 02:17	1
Dibromomethane	ND		1.0	0.41	ug/L			03/22/17 02:17	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/22/17 02:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/22/17 02:17	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/22/17 02:17	1
Iodomethane	ND		1.0	0.30	ug/L			03/22/17 02:17	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/22/17 02:17	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/22/17 02:17	1
Methyl acetate	ND		2.5	1.3	ug/L			03/22/17 02:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/22/17 02:17	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/22/17 02:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/22/17 02:17	1
Naphthalene	ND		1.0	0.43	ug/L			03/22/17 02:17	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/22/17 02:17	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/22/17 02:17	1
o-Xylene	ND		1.0	0.76	ug/L			03/22/17 02:17	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/22/17 02:17	1
Styrene	ND		1.0	0.73	ug/L			03/22/17 02:17	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/22/17 02:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/22/17 02:17	1
Toluene	ND		1.0	0.51	ug/L			03/22/17 02:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/22/17 02:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/22/17 02:17	1
Trichloroethene	ND		1.0	0.46	ug/L			03/22/17 02:17	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/22/17 02:17	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/22/17 02:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/22/17 02:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/22/17 02:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		03/22/17 02:17	1
4-Bromofluorobenzene (Surr)	103		73 - 120		03/22/17 02:17	1
Dibromofluoromethane (Surr)	107		75 - 123		03/22/17 02:17	1
Toluene-d8 (Surr)	101		80 - 120		03/22/17 02:17	1

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: ASW 031617

Lab Sample ID: 480-114768-1

Date Collected: 03/16/17 13:00

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	348050	03/20/17 12:10	ARS	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 05:19	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		5	348851	03/25/17 19:32	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		10	348375	03/22/17 12:49	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 03:51	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	5	156017	03/21/17 22:02	CBW	TAL SAC

Client Sample ID: VEW-3 031617

Lab Sample ID: 480-114768-2

Date Collected: 03/16/17 13:20

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348050	03/20/17 12:33	ARS	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/25/17 22:09	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 20:01	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 13:08	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 04:09	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	10	156017	03/21/17 19:35	CBW	TAL SAC

Client Sample ID: VEW-2 031617

Lab Sample ID: 480-114768-3

Date Collected: 03/16/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 01:18	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/25/17 22:32	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 20:29	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 13:28	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 04:27	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	10	156017	03/21/17 19:54	CBW	TAL SAC

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: DUP-01 031617

Lab Sample ID: 480-114768-4

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 01:41	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/25/17 22:54	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 20:58	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 13:48	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 04:46	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	10	156017	03/21/17 20:12	CBW	TAL SAC

Client Sample ID: AMBIENT BLANK 031617

Lab Sample ID: 480-114768-5

Date Collected: 03/16/17 14:30

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 05:04	CBW	TAL SAC

Client Sample ID: MW-23 031617

Lab Sample ID: 480-114768-6

Date Collected: 03/16/17 14:41

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348050	03/20/17 13:42	ARS	TAL BUF
Total/NA	Analysis	8260C	DL	5	348145	03/21/17 02:04	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 04:56	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		10	348851	03/25/17 21:26	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		5	348375	03/22/17 14:07	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 05:23	CBW	TAL SAC

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/21/17 23:35	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/25/17 23:17	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-8D 031717

Lab Sample ID: 480-114768-7

Date Collected: 03/17/17 09:10

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	348851	03/25/17 21:54	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 14:27	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 05:41	CBW	TAL SAC

Client Sample ID: MW-8S 031717

Lab Sample ID: 480-114768-8

Date Collected: 03/17/17 09:35

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/21/17 23:58	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/25/17 23:40	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 22:23	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 14:47	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 06:18	CBW	TAL SAC

Client Sample ID: MW-16D 031717

Lab Sample ID: 480-114768-9

Date Collected: 03/17/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/22/17 00:21	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 00:02	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 22:51	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 15:06	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 06:36	CBW	TAL SAC

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/22/17 00:44	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 00:25	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-21 031717

Lab Sample ID: 480-114768-10

Date Collected: 03/17/17 10:52

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		1	348851	03/25/17 23:19	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348375	03/22/17 15:26	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 06:54	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	5	156017	03/21/17 22:21	CBW	TAL SAC

Client Sample ID: MW-24 031717

Lab Sample ID: 480-114768-11

Date Collected: 03/17/17 11:05

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/22/17 01:08	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 00:48	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 23:47	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 09:23	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 07:13	CBW	TAL SAC

Client Sample ID: MW-20 031517

Lab Sample ID: 480-114768-12

Date Collected: 03/15/17 12:05

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 02:27	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 01:10	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 00:16	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 09:42	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 07:31	CBW	TAL SAC

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348050	03/20/17 14:29	ARS	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-19 031517

Lab Sample ID: 480-114768-13

Date Collected: 03/15/17 11:16

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 01:33	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 00:44	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 10:02	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 07:50	CBW	TAL SAC

Client Sample ID: MW-15S 031517

Lab Sample ID: 480-114768-14

Date Collected: 03/15/17 13:47

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 02:50	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 01:55	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 01:12	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 10:22	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 08:08	CBW	TAL SAC

Client Sample ID: MW-17 031517

Lab Sample ID: 480-114768-15

Date Collected: 03/15/17 13:57

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	348145	03/21/17 03:13	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 04:34	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 01:40	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		10	348558	03/23/17 10:41	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 08:26	CBW	TAL SAC

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 03:36	NEA	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: MW-15D 031517

Lab Sample ID: 480-114768-16

Date Collected: 03/15/17 14:45

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 02:18	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 02:09	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 11:01	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 08:45	CBW	TAL SAC

Client Sample ID: MW-18 031517

Lab Sample ID: 480-114768-17

Date Collected: 03/15/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348050	03/20/17 16:01	ARS	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 02:41	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 02:37	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 11:20	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 09:03	CBW	TAL SAC

Client Sample ID: MW-22 031517

Lab Sample ID: 480-114768-18

Date Collected: 03/15/17 15:50

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 04:00	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 03:03	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 03:05	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		2	348558	03/23/17 11:40	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 09:40	CBW	TAL SAC

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348145	03/21/17 04:23	NEA	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: K-2 031617

Lab Sample ID: 480-114768-19

Date Collected: 03/16/17 09:43

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 03:26	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/26/17 03:33	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		10	348558	03/23/17 12:00	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 09:58	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	10	156017	03/21/17 20:31	CBW	TAL SAC

Client Sample ID: K-3 031617

Lab Sample ID: 480-114768-20

Date Collected: 03/16/17 10:13

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/22/17 01:31	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 03:48	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	349172	03/28/17 16:58	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 12:20	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155643	03/20/17 08:49	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155853	03/21/17 10:16	CBW	TAL SAC

Client Sample ID: VEW-1 031617

Lab Sample ID: 480-114768-21

Date Collected: 03/16/17 10:54

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	348145	03/21/17 04:46	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426342	03/26/17 04:11	AAT	TAL EDI
Total/NA	Prep	3510C			348191	03/21/17 07:27	CPH	TAL BUF
Total/NA	Analysis	8270D		1	348851	03/25/17 19:04	PJQ	TAL BUF
Total/NA	Prep	3510C			348196	03/21/17 07:45	CPH	TAL BUF
Total/NA	Analysis	8081B		5	348375	03/22/17 12:29	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155642	03/20/17 08:46	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155852	03/21/17 01:24	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155642	03/20/17 08:46	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	10	156017	03/21/17 20:49	CBW	TAL SAC

TestAmerica Buffalo

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Client Sample ID: VEW-4 031617

Lab Sample ID: 480-114768-22

Date Collected: 03/16/17 11:50

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/22/17 01:54	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426358	03/26/17 22:38	AAT	TAL EDI
Total/NA	Prep	3510C			348388	03/22/17 07:53	NMC	TAL BUF
Total/NA	Analysis	8270D		1	348620	03/23/17 20:37	PJQ	TAL BUF
Total/NA	Prep	3510C			348385	03/22/17 07:42	NMC	TAL BUF
Total/NA	Analysis	8081B		1	348558	03/23/17 14:37	MAN	TAL BUF
Total/NA	Prep	PFAS Prep			155642	03/20/17 09:05	CCB	TAL SAC
Total/NA	Analysis	PFAS		1	155852	03/21/17 02:19	CBW	TAL SAC
Total/NA	Prep	PFAS Prep	DL		155642	03/20/17 09:05	CCB	TAL SAC
Total/NA	Analysis	PFAS	DL	10	156017	03/21/17 21:44	CBW	TAL SAC

Client Sample ID: TRIP BLANKS

Lab Sample ID: 480-114768-23

Date Collected: 03/16/17 00:00

Matrix: Water

Date Received: 03/18/17 00:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348347	03/22/17 02:17	NEA	TAL BUF
Total/NA	Analysis	8260C SIM		1	426358	03/26/17 22:16	AAT	TAL EDI

Laboratory References:

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

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17 *

Laboratory: TestAmerica Edison

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-18
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-17
New Jersey	NELAP	2	12028	06-30-17
New York	NELAP	2	11452	03-31-17
Pennsylvania	NELAP	3	68-00522	02-28-18
Rhode Island	State Program	1	LAO00132	12-30-17
USDA	Federal		NJCA-003-08	04-04-17

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-17
Arizona	State Program	9	AZ0708	08-11-17
Arkansas DEQ	State Program	6	88-0691	06-17-17
California	State Program	9	2897	01-31-18
Colorado	State Program	8	CA00044	08-31-17
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-17
Hawaii	State Program	9	N/A	01-29-18
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-17
L-A-B	DoD ELAP		L2468	01-20-18
Louisiana	NELAP	6	30612	06-30-17
Maine	State Program	1	CA0004	04-18-18
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-17
New Jersey	NELAP	2	CA005	06-30-17
New York	NELAP	2	11666	04-01-17 *
Oregon	NELAP	10	4040	01-28-18
Texas	NELAP	6	T104704399	07-31-17
US Fish & Wildlife	Federal		LE148388-0	10-31-17
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-17
West Virginia (DW)	State Program	3	9930C	12-31-17
Wyoming	State Program	8	8TMS-L	01-29-17 *

* Certification renewal pending - certification considered valid.

TestAmerica Buffalo

Method Summary

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8260C SIM	Volatile Organic Compounds (GC/MS)	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
PFAS	Perfluorinated Alkyl Substances	TAL-SAC	TAL SAC

Protocol References:

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

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

Laboratory References:

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

TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: New York State D.E.C.
Project/Site: Korkay, Inc. #518014

TestAmerica Job ID: 480-114768-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-114768-1	ASW 031617	Water	03/16/17 13:00	03/18/17 00:45
480-114768-2	VEW-3 031617	Water	03/16/17 13:20	03/18/17 00:45
480-114768-3	VEW-2 031617	Water	03/16/17 13:47	03/18/17 00:45
480-114768-4	DUP-01 031617	Water	03/16/17 00:00	03/18/17 00:45
480-114768-5	AMBIENT BLANK 031617	Water	03/16/17 14:30	03/18/17 00:45
480-114768-6	MW-23 031617	Water	03/16/17 14:41	03/18/17 00:45
480-114768-7	MW-8D 031717	Water	03/17/17 09:10	03/18/17 00:45
480-114768-8	MW-8S 031717	Water	03/17/17 09:35	03/18/17 00:45
480-114768-9	MW-16D 031717	Water	03/17/17 10:13	03/18/17 00:45
480-114768-10	MW-21 031717	Water	03/17/17 10:52	03/18/17 00:45
480-114768-11	MW-24 031717	Water	03/17/17 11:05	03/18/17 00:45
480-114768-12	MW-20 031517	Water	03/15/17 12:05	03/18/17 00:45
480-114768-13	MW-19 031517	Water	03/15/17 11:16	03/18/17 00:45
480-114768-14	MW-15S 031517	Water	03/15/17 13:47	03/18/17 00:45
480-114768-15	MW-17 031517	Water	03/15/17 13:57	03/18/17 00:45
480-114768-16	MW-15D 031517	Water	03/15/17 14:45	03/18/17 00:45
480-114768-17	MW-18 031517	Water	03/15/17 00:00	03/18/17 00:45
480-114768-18	MW-22 031517	Water	03/15/17 15:50	03/18/17 00:45
480-114768-19	K-2 031617	Water	03/16/17 09:43	03/18/17 00:45
480-114768-20	K-3 031617	Water	03/16/17 10:13	03/18/17 00:45
480-114768-21	VEW-1 031617	Water	03/16/17 10:54	03/18/17 00:45
480-114768-22	VEW-4 031617	Water	03/16/17 11:50	03/18/17 00:45
480-114768-23	TRIP BLANKS	Water	03/16/17 00:00	03/18/17 00:45

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

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact:
Mr. Chris French
Company:
AECOM, Inc.

Address:
40 British American Blvd
City:
Latham
State, Zip:
NY, 12110
Phone:
518-402-9625(Tel)
Email:
chris.french@aecom.com
Project Name:
Korkay, Inc. #518014
Site:

Due Date Requested:
TAT Requested (days):
STD
PO #:
Callout 122730
WO #:
60273289.3
Project #:
48005347
SSOW#:

Lab PMF:
Stone, Judy L
E-Mail:
judy.stone@testamericainc.com

Carrier

COC No:
480-93910-22548.2
Page:
Page 2 of 3
Job #:
480-114768 COC

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) TCL list OLM04.2	8270D - TCL SV0A - OLM04.2	8081B - TCL Pesticides - OLM04.2	Preservation Codes:	Special Instructions/Note:
MW-20 031517	3/15/17	1205	G	Water							
MW-19 031517		1116		Water							
MW-15S 031517		1347		Water							
MW-17 031517		1357		Water							
MW-15D 031517		1445		Water							
MW-18 031517		1550		Water							
MW-22 031517		1550		Water							
IS-2 031617	3/16/17	0943		Water							
K-3 031617		1013		Water							
VEW-1 031617		1054		Water							
VEW-4 031617		1150		Water							

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ☐ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Relinquished by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Relinquished by:

Date/Time:

Company:

Received by:

Date/Time:

Company:

Custody Seals Intact: ☐ Yes ☐ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

0.9, 0.6, 0.6, 0.2, 0.1, 0.9, 0.5 #1

Chain of Custody Record

Carrier Tracking No(s):		COC No: 480-93910-22548.1	
Lab PVI: Stone, Judy L		Page: Page 1 of 3	
E-Mail: judy.stone@testamericainc.com		Job #:	
Analysis Requested			
Due Date Requested:		Preservation Codes:	
TAT Requested (days):		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Na2SO3 H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
PO #:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Callout 122730			
WO #:			
60273289.3			
Project #:			
48005347			
SSOW#:			
Sample Identification		Total Number of Containers	
ASW 031617	3/16/17	12	Special Instructions/Note: *TRIP BLANK INCLUDED *
VEW-3 031617	1326	12	
VFW-2 031617	1347	12	
DUP-01 031617	-	12	
Ambient Blank 031617	1436	2	
MW-23 031617	1441	12	
MW-6D 031717	910	12	
MW-8S 031717	935	12	
MW-16D 031717	1013	12	
MW-21 031717	1052	12	
MW-24 031717	1105	12	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:			
Date:		Time:	
Date/Time:		Date/Time:	
3/17/17 1333	3/17/17 1400	Company TA	
3/17/17 1800	3-18-17 0045	Company TA	
3/17/17	3-18-17	Company TA	

1#

0.9, 0.8, 0.6, 0.2, 0.1, 0.9, 0.5 -

100

100

Publication

Keywords: child sexual abuse; disclosure; social support

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2800 Fax (716) 691-7991

Chain of Custody Record

TestAmerica

Client Information		Lab PM: <u>Stone, Judy L</u>	Carrier Tracking No(s):
Company: <u>AECOM, Inc</u>	Address: <u>40 British American Blvd</u>	City: <u>Latham</u>	State: <u>NY</u> Zip: <u>12110</u>
Client Contact: <u>Mr. Chris French</u>	Phone: <u>518-402-9625 (Tel)</u>	E-Mail: <u>chris.french@aecom.com</u>	Project # <u>48005347</u>
Company: <u>AECOM, Inc</u>	Address: <u>40 British American Blvd</u>	City: <u>Latham</u>	State: <u>NY</u> Zip: <u>12110</u>
Client Contact: <u>Mr. Chris French</u>	Phone: <u>518-402-9625 (Tel)</u>	E-Mail: <u>chris.french@aecom.com</u>	Project # <u>48005347</u>
Company: <u>AECOM, Inc</u>	Address: <u>40 British American Blvd</u>	City: <u>Latham</u>	State: <u>NY</u> Zip: <u>12110</u>
Client Contact: <u>Mr. Chris French</u>	Phone: <u>518-402-9625 (Tel)</u>	E-Mail: <u>chris.french@aecom.com</u>	Project # <u>48005347</u>

Due Date Requested: <u>5/17/17</u>		Analysis Requested	
TAT Requested (days): <u>5</u>		Preservation Codes:	
PO # <u>Callout 122730</u>		A - HCL M - Hexane	
WO # <u>60273289.3</u>		B - NaOH N - None	
Project # <u>48005347</u>		C - Zn Acetate O - AsNaO2	
SSOW#		D - Nitric Acid P - Na2O4S	
		E - NaHSO4 Q - Na2SO3	
		F - MeOH R - Na2S2O3	
		G - Anhydrous S - H2SO4	
		H - Ascorbic Acid T - TSP Dodecahydral	
		I - Ice U - Acetone	
		J - DI Water V - MCAA	
		K - EDTA W - pH 4-5	
		L - EDA Z - other (specify)	
		Other:	
Sample Identification		Total Number of Containers	
Date: <u>5/17/17</u> Time: <u>13:00</u>		X	
Sample Date: <u>5/17/17</u> Time: <u>13:00</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>13:47</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>14:30</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>14:41</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>14:55</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>15:13</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>15:32</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>16:05</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>16:15</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>16:32</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>16:52</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>17:05</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>17:15</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>17:30</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>17:45</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>18:00</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>18:15</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>18:30</u>		2	
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Sample Date: <u>5/17/17</u> Time: <u>70:00</u>		2	
Sample Date: <u>5/17/17</u> Time: <u>70:15</u>		2	
Sample Date: <u>5/17/17</u> Time			

Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)		Sampler:	Lab Pk:					
Client Contact:		Stone, Judy L	Carrier Tracking No(s):					
Shipping/Receiving		E-Mail:	OCC NO:					
		Judy.stone@testamericalab.com	480-33830.1					
Company:		New York	Page:					
TestAmerica Laboratories, Inc.		Accreditations Required (See note):	Page 1 of 3					
Address:		NE LAP - New York	Job #:					
777 New Durham Road,			480-114768-1					
City:		Analysis Requested	Preservation Codes:					
Edison		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO ₄ F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	M - Hexane N - None O - AshAd2 P - Na ₂ CO ₃ Q - Na ₂ SO ₃ R - Na ₂ SiO ₃ S - H ₂ SO ₄ T - TSP Dodecylhydrate U - Acetone V - MCAA W - pH 4.5 Z - other (Specify)					
State, Zip: NJ, 08817		PAT Requested (days):						
Phone: 732-349-3900(Tel) 732-549-3679(Fax)		PO #:						
Email:		IWO #:						
Project Name: Korkey, Inc. #518014		Project #:						
Site:		48005347						
		SSOW#:						
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	G=Comp, BT=Tissue, AA=Allyl	Matrix (Water, Soil, Organic, Inorganic, Asphalt, etc.)	Field Filtered Sample (Yes or No) (Return Unfiltered (No) or Not)	8260C_SIM/6030C (MOD) Local Method	Total Number of Containers	Special Instructions/Note:
ASW 031617 (480-114768-1)	3/16/17	13:00 Eastern		Water	X		3	
VEW-3 031617 (480-114768-2)	3/16/17	13:20 Eastern		Water	X		3	
VEW-2 031617 (480-114768-3)	3/16/17	13:47 Eastern		Water	X		3	
DUP-01 031617 (480-114768-4)	3/16/17	Eastern		Water	X		3	
MMW-23 031617 (480-114768-6)	3/16/17	14:41 Eastern		Water	X		3	
MMW-8D 031717 (480-114768-7)	3/17/17	09:10 Eastern		Water	X		3	
MMW-8S 031717 (480-114768-8)	3/17/17	09:35 Eastern		Water	X		3	
MMW-16D 031717 (480-114768-9)	3/17/17	10:13 Eastern		Water	X		3	
MMW-21 031717 (480-114768-10)	3/17/17	10:52 Eastern		Water	X		3	

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

Possible Hazard Identification

Unconfirmed _____

Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 1

Date: _____ Time: _____

Empty Kit Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____

Relinquished by: [Signature] Date/Time: 3/20/17 1500 Company: THS Received by: [Signature] Date/Time: 3/21/17 PHIS Company: SPED

Relinquished by: _____ Date/Time: _____ Company: _____ Received by: _____ Date/Time: _____ Company: _____

Method of Shipment: _____ Months

Special Instructions/RQC Requirements: _____

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Chain of Custody Record

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

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)			Sampler:	Lab P/N:	Carrier Tracking No(s):	COC No:								
Client Contact:	Shipping/Receiving	Phone:	Stone, Judy L	E-Mail:	State of Origin:	480-33830.2								
Company:	TestAmerica Laboratories, Inc.		Judy.stone@testamericainc.com		New York	Page 2 of 3								
Address:	777 New Durham Road,	Due Date Requested:	3/29/2017	Accreditations Required (See note):	Job #:	480-114768-1								
City:	Edison	TAT Requested (days):		Analysis Requested										
State, Zip:	NJ, 08817	PO #:												
Phone:	732-549-3900(Tel) 732-549-3679(Fax)	WO #:												
Email:		Project #:	48005347											
Project Name:	Korkey, Inc. #518014	SSOW#:												
Site:														
Sample Identification - Client ID (Lab ID)			Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sealed, Cryo-Storage, Etc.)	Field Filtered Sample (Yes or No)	8260C, SIM/5030C (MOD) Local Method			Total Number of containers	Special Instructions/Note:		
MMW-24 031717 (480-114768-11)	3/17/17	11:05	Eastern	Water			X				3			
MMW-20 031517 (480-114768-12)	3/15/17	12:05	Eastern	Water			X				3			
MMW-19 031517 (480-114768-13)	3/15/17	11:16	Eastern	Water			X				3			
MMW-15S 031517 (480-114768-14)	3/15/17	13:47	Eastern	Water			X				3			
MMW-17 031517 (480-114768-15)	3/15/17	13:57	Eastern	Water			X				3			
MMW-15D 031517 (480-114768-16)	3/15/17	14:45	Eastern	Water			X				3			
MMW-18 031517 (480-114768-17)	3/15/17	15:50	Eastern	Water			X				2			
MMW-22 031517 (480-114768-18)	3/15/17	09:43	Eastern	Water			X				3			
K-2 031617 (480-114768-19)	3/16/17		Eastern	Water			X				3			
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I														
Possible Hazard Identification			Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)											
Unconfirmed			☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months											
Deliverable Requested: I, II, III, IV, Other (Specify)			Primary Deliverable Rank: 1			Special Instructions/QC Requirements:								
Empty Kit Relinquished by:			Date:			Method of Shipment:								
Relinquished by: <i>[Signature]</i>			Date/Time: 3/30/17 1500			Received by: <i>[Signature]</i>			Date/Time: 3/21/17 9:15			Company: <i>[Signature]</i>		
Relinquished by:			Date/Time:			Received by:			Date/Time:			Company:		
Relinquished by:			Date/Time:			Received by:			Date/Time:			Company:		
Custody Seals Intact: Yes ☒ No ☐			Custody Seal No.: 858761			Cooler Temperature(s) °C and Other Remarks: 3.5°C DAY								

Chain of Custody Record

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

THE LEADER IN ENVIRONMENTAL TESTING

[illegible]

THE LEADER IN ENVIRONMENTAL TESTING

480-114768 Field Sheet

Tracking # 716471645048

Notes:

Initials: AW Date: 5-18-17

3/30/2017

Sacramento Sample Receiving Notes

Job: _____

Tracking # 716471645059

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Notes: _____

Therm. ID: AK-1 / AK-2 / HACCP / Other _____

Ice ☒ Wet ☒ Dry _____ Other _____

Cooler Custody Seal: 848622

Sample Custody Seal: _____

Cooler ID: 2083

Temp: Observed 2.9

Corrected: 3.2

From: Temp Blank ☐ Sample ☒

NCM Filed: Yes ☐ No ☐

	Yes	No	NA
Perchlorate has headspace?	☐	☐	☒
CoC is complete w/o discrepancies?	☒	☐	☐
Samples received within holding time?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Cooler compromised/tampered with?	☐	☒	☐
Samples compromised/tampered with?	☐	☒	☐
COC and Samples w/o discrepancies?	☒	☐	☐
Sample containers have legible labels?	☒	☐	☐
Containers are not broken or leaking?	☒	☐	☐
Sample date/times are provided.	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☐	☐	☒
Zero headspace?*	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

Initials: AK Date: 3-18-17

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Sacramento
Sample Receiving Notes

Job: _____

Tracking # 71647164 5060

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Notes: _____

Therm. ID: AK-1 / AK-2 / HACCP / Other _____

Ice / Wet X Dry _____ Other _____

Cooler Custody Seal: 848621

Sample Custody Seal: - A

Cooler ID: 3047

Temp: Observed 5.1

Corrected: 3.4

From: Temp Blank ☐ Sample ☒

NCM Filed: Yes ☐ No ☒

Yes No NA

Perchlorate has headspace? ☐ ☐ ☒

CoC is complete w/o discrepancies? ☒ ☐ ☐

Samples received within holding time? ☒ ☐ ☐

Sample preservatives verified? ☐ ☐ ☒

Cooler compromised/tampered with? ☐ ☒ ☐

Samples compromised/tampered with? ☐ ☒ ☐

COC and Samples w/o discrepancies? ☒ ☐ ☐

Sample containers have legible labels? ☒ ☐ ☐

Containers are not broken or leaking? ☒ ☐ ☐

Sample date/times are provided. ☒ ☐ ☐

Appropriate containers are used? ☒ ☐ ☐

Sample bottles are completely filled? ☐ ☐ ☒

Zero headspace? ☐ ☒ ☒

Multiphasic samples are not present? ☒ ☐ ☐

Initials: AS Date: 3-18-17

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-114768-1

Login Number: 114768

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-114768-1

Login Number: 114768

List Number: 3

Creator: Armbruster, Chris

List Source: TestAmerica Edison

List Creation: 03/21/17 11:02 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	858761
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.5°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-114768-1

Login Number: 114768

List Source: TestAmerica Sacramento

List Number: 2

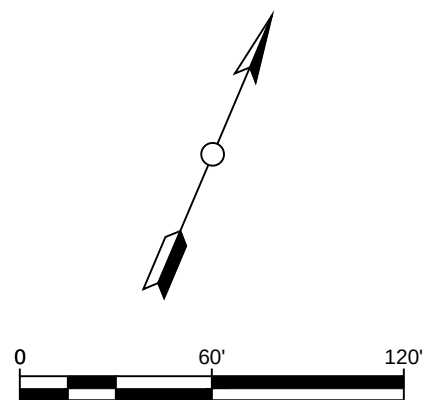
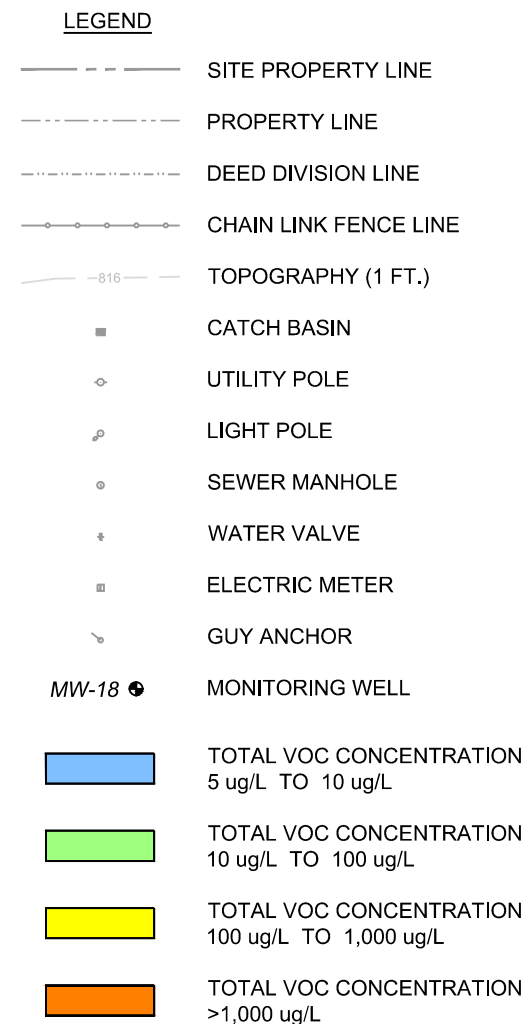
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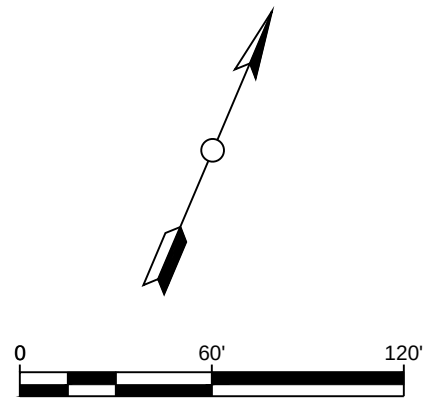
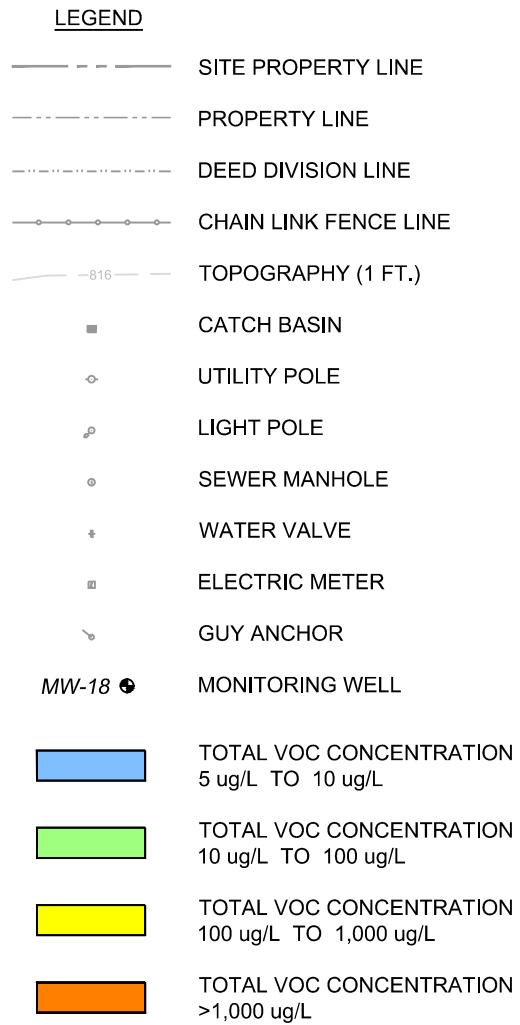
Creator: Hytrek, Cheryl

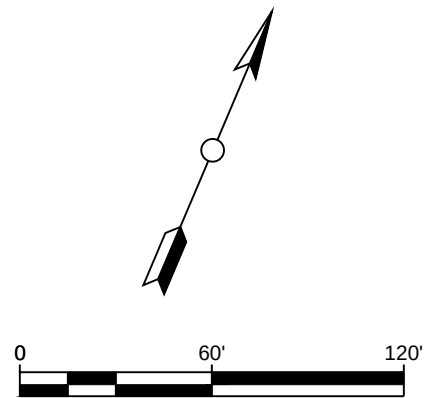
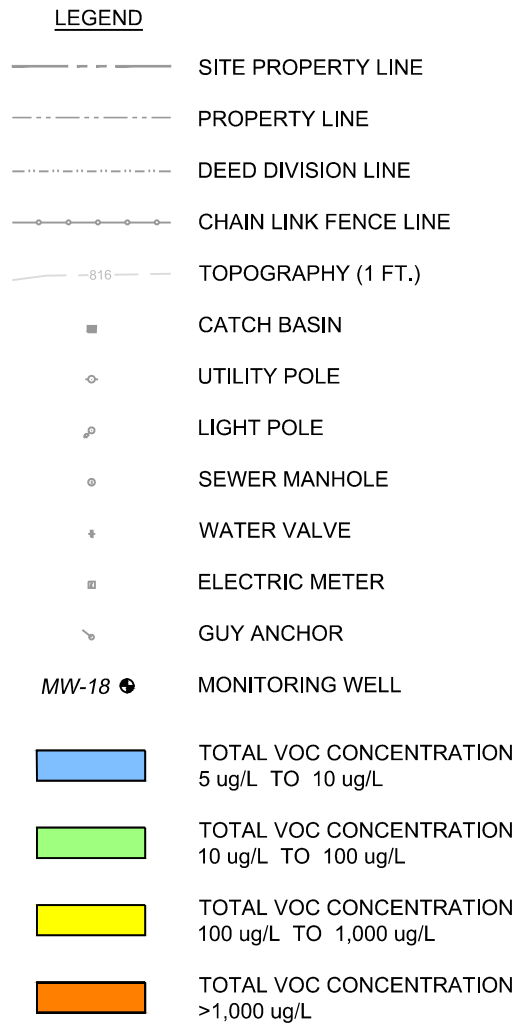
Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True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

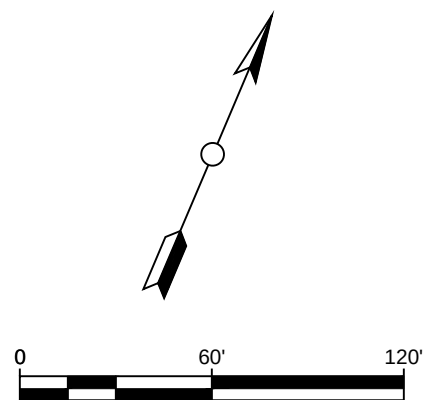
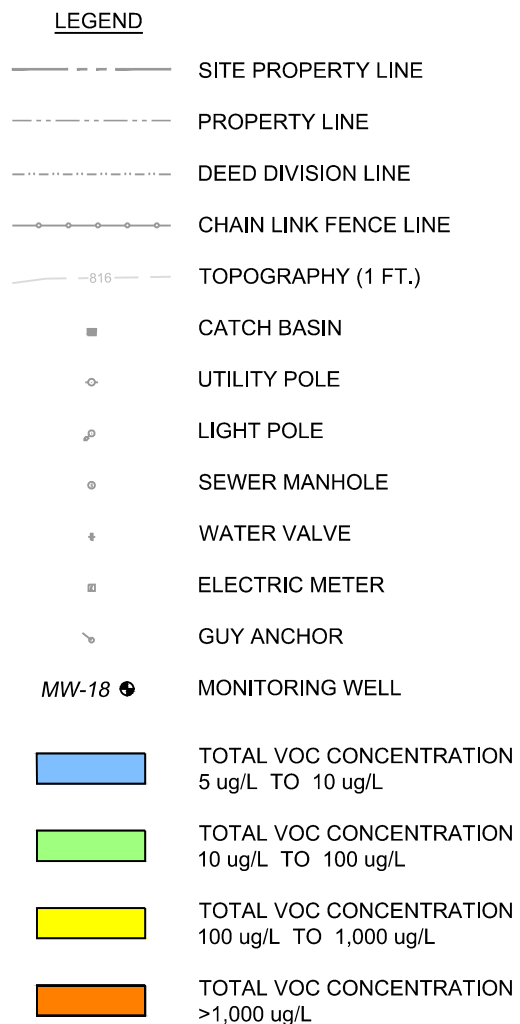
Appendix D

TVOC Isoconcentration Contour Maps from Previous Sampling Events (2007 to 2013)



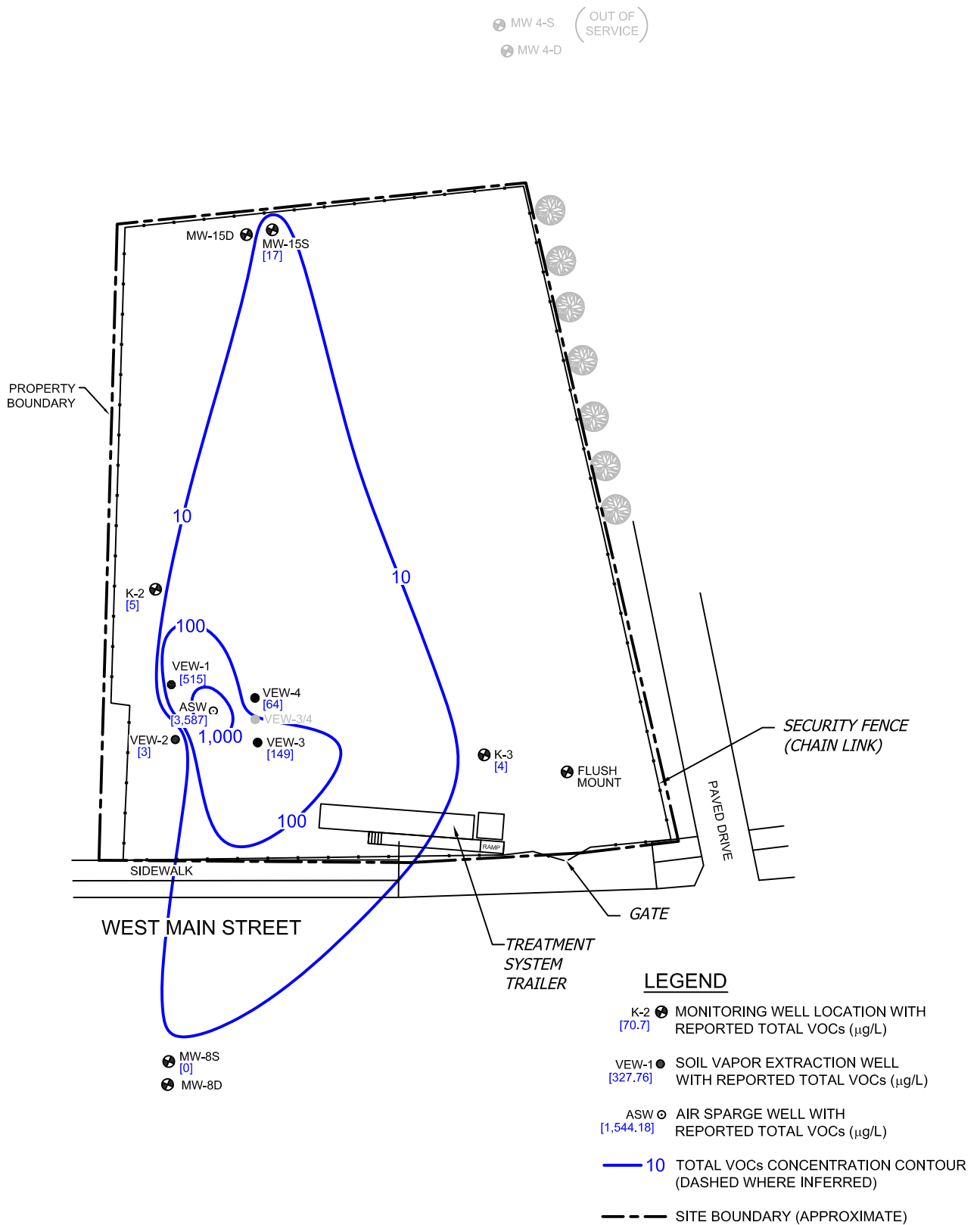










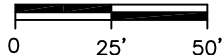


NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN



Scale in Feet



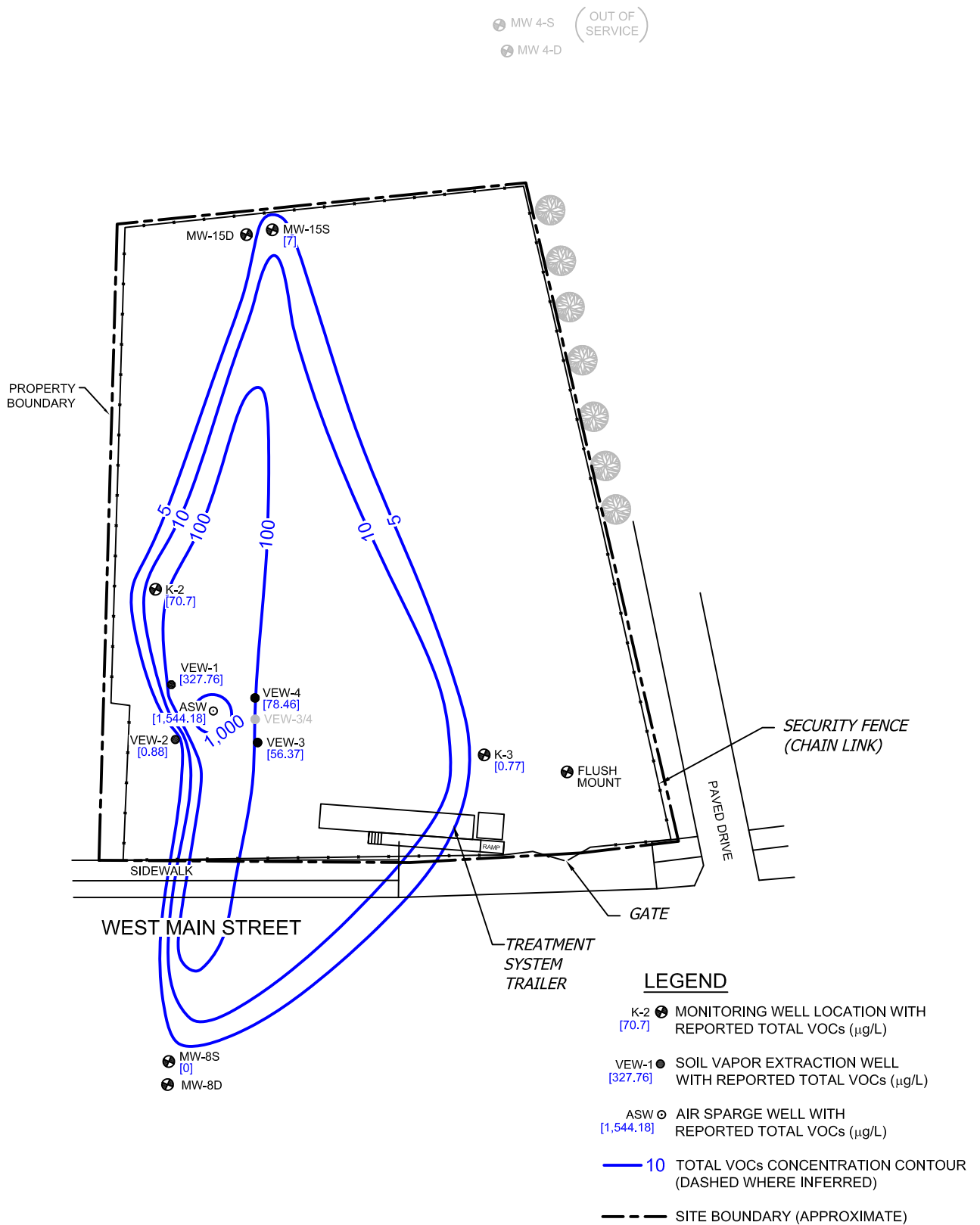
AECOM

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

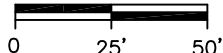


NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN



Scale in Feet



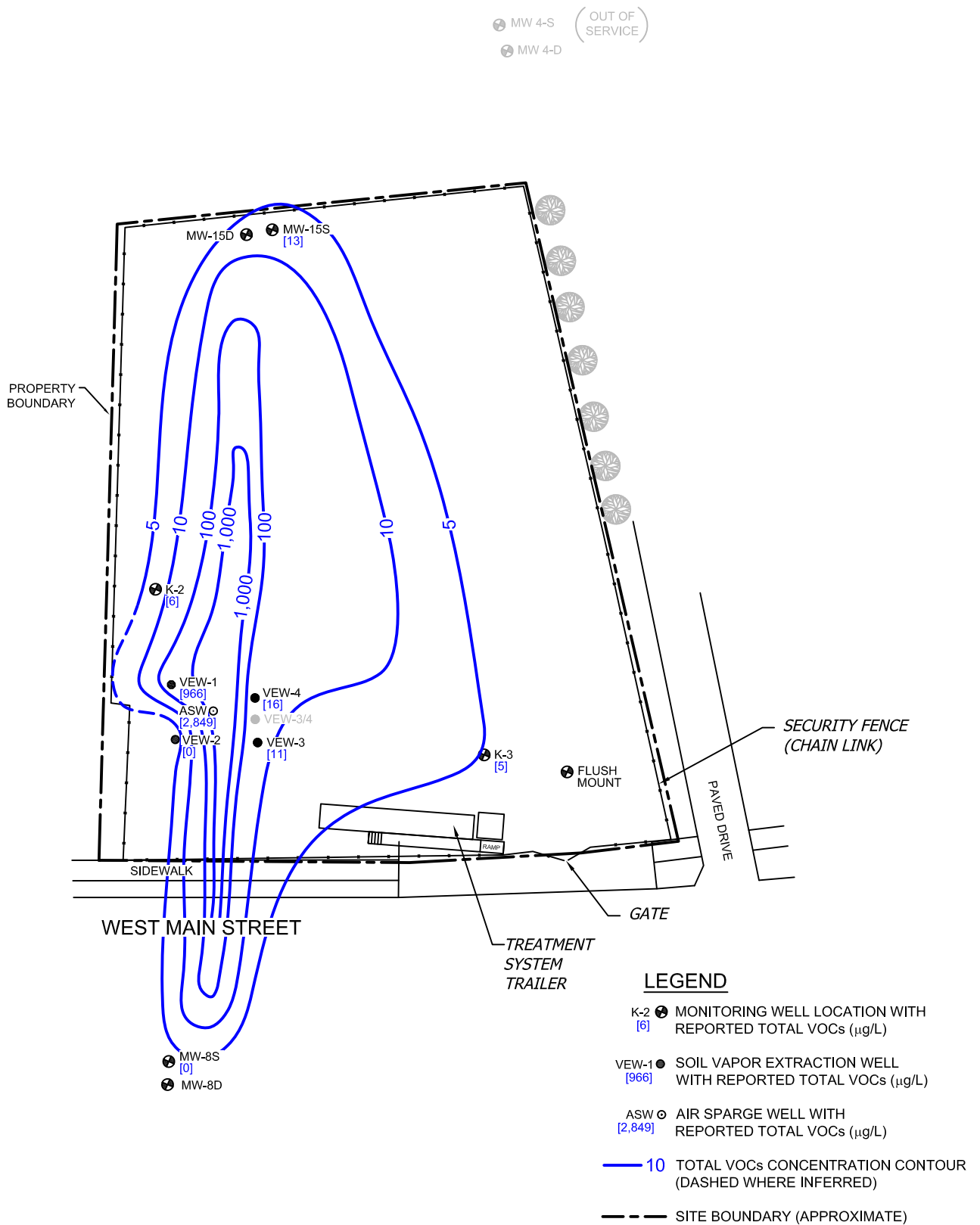
AECOM

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

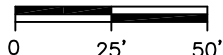


NOTE:
FOR MAP REFERENCE INFORMATION,
SEE FIGURE 1-2 "SITE LAYOUT".

PLAN



Scale in Feet



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

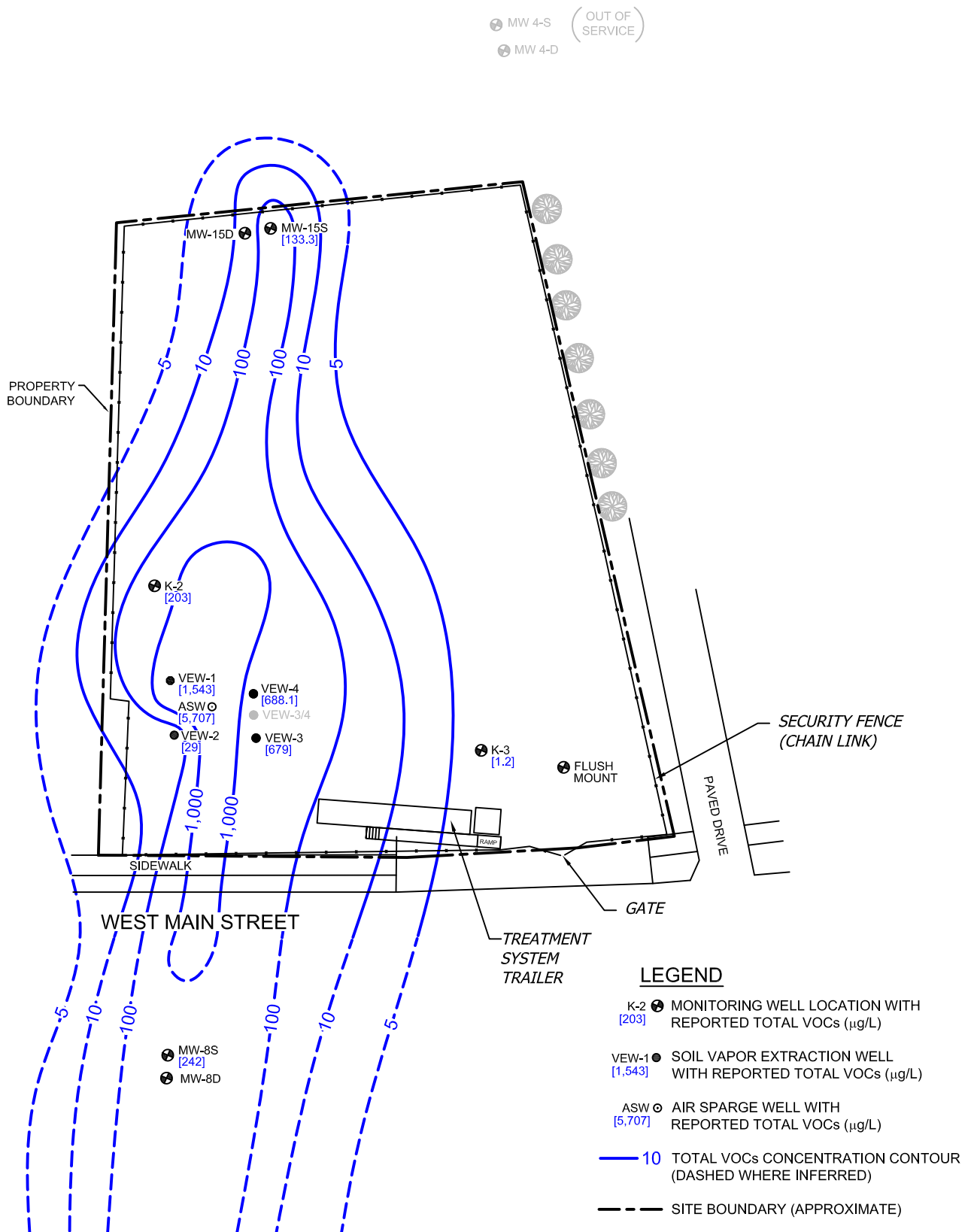


FIGURE 4A

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

