AECOM Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
May 2017

Groundwater Monitoring Report
Post-ISCO Quarterly Sampling Event
December, 2016

Korkay, Inc.
Site No. 518014
Work Assignment No. D004445-20.1

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Acronyms and Abbreviations

COCs	Contaminants of Concern
DO	Dissolved Oxygen
ISCO	In Situ Chemical Oxidation
µg/L	Micrograms per Liter
Korkay	Korkay, Incorporated
AWQS	New York State Ambient Water Quality Standards and Guidance Values
NTUs	Nephelometric Turbidity Units
NYSDEC	New York State Department of Conservation
NYSDOH	New York State Department of Health
ORC-A®	Oxygen Release Compound – Advanced®
ORP	Oxidation Reduction Potential
SMP	Site Management Plan
SVOCs	Semivolatile Organic Compound
TVOCs	Total Volatile Organic Compound
VOCs	Volatile Organic Compounds

1.0 Introduction

1.1 General

This summary report documents the groundwater sampling event conducted in December 2016 at the Korkay Inc. Site (Site No. 518014), 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).

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 ROD include various volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and pesticides. Remedial actions undertaken by the NYSDEC and New York State Department of Health (NYSDOH) to date have been 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 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.

The most recent 5-quarter groundwater sampling event, which is required as part of the Site Management Plan (SMP) to evaluate groundwater quality trends through the Site management phase, was completed between October 12 and 15, 2015. All on-site and off-site groundwater monitoring wells (Figure 2) were sampled during the event. 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) detected in the shallow aquifer wells during the October 2015 sampling event is included as Figure 3.

A supplemental remedial action, consisting of in-situ chemical oxidation (ISCO) injection, was conducted at the Site between October 19 and 23, 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 used was activated persulfate, specifically, PersulfOx® from Regenesis Remediation Services. This oxidant has been shown to effectively reduce VOC mass with limited oxidation of certain pesticides. 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.

This report presents and interprets analytical results for the groundwater sampling conducted on December 6 and 7, 2016, as well as results from previous post-ISCO injection quarterly sampling events. The sampling event represented the fifth of eight quarterly events to be conducted over a 2-year period to monitor and evaluate the effectiveness of the ISCO treatment. The quarterly monitoring program is scheduled to continue through the summer of 2017.

2.0 Groundwater Sampling

Post ISCO injection groundwater monitoring will take place for two years following treatment to assist in evaluating the effectiveness of the ISCO injection. The monitoring is performed in accordance with the approved ISCO Work Plan, dated August 8, 2015. The ISCO Work Plan requires that groundwater samples be collected on a quarterly basis from five on-site groundwater monitoring wells (i.e., ASW, MW-17, MW-18, MW-22 and MW-23). Based on the recommendation made in the report for the December 8, 2015 monitoring event, off-site downgradient well MW-21 was added to the monitoring network for subsequent events. Well locations are shown in Figure 2.

2.1 Groundwater Sampling Methodology

Prior to purging, groundwater levels were recorded in all wells on site. The water level meter was decontaminated using deionized water and a non-phosphate detergent between each well. The groundwater was then purged with a peristaltic pump and new polyethylene tubing from the wells to be sampled. 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.

Water quality parameters were recorded using a multi parameter meter with a flow through cell. The parameters were recorded every 3 to 5 minutes until readings indicated that the groundwater stabilized. These parameters monitored included turbidity, temperature, specific conductivity, dissolved oxygen, pH, and oxygen reduction potential (ORP). 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 A).

The groundwater samples were then collected in the appropriate bottleware provided by NYSDEC's callout laboratory, TestAmerica, who conducted all the sample analyses. Each groundwater sample was analyzed for volatile organic compounds (VOCs) by USEPA Method 8260C, SVOCs by Method 8270D and organochlorine pesticides by Method 8081B. The laboratory analytical report is included in Appendix B.

3.0 Results

3.1 Groundwater Elevation and 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 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 six wells sampled during the December 2016 quarterly groundwater sampling event are presented in Table 2. Results from the October 2015 5-quarter sampling event (pre-ISCO injection baseline event) and post-ISCO injection quarterly events to date are also included. The data compilation in Table 2 is provided to show baseline conditions prior to the ISCO treatment and the trends in results since the treatment.

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 relevant AWQS. Table 2 also includes the field parameter readings for dissolved oxygen (DO) and oxidation-reduction potential (ORP), and the persulfate test kit results.

Volatile Organic Compounds

Table 2 also includes TVOC concentration for each sample result. This data was used to develop isoconcentration contour maps of the groundwater plume for each post-ISCO injection quarterly groundwater sampling event (Figure 5). Figure 5e depicts the TVOC isoconcentration contour from the December 2016 sampling event and Figures 5a through Figures 5d are isconcentration maps for the first four post-ISCO injection monitoring events. Comparing the figures show changes in plume configuration and relative concentration with time.

Chart 1 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 trimethylbenze 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 2 depicts the trend in the TVOC concentration in well ASW, a pre-existing well located in the former primary source area in the southwest quadrant of the Site with the longest sample history of the wells being monitored. Chart 3 depicts TVOC trends in the four on-Site wells (MW-17, MW-18, MW-22 and MW-23) and off-Site well MW-21.

The December 2016 VOC analytical results and data trends to date are discussed below.

- The TVOC concentration in upgradient well MW-17 (420.7 mg/L in the field duplicate sample) was an increase over the previous result (230.2 mg/L), but remains below the October 2015 baseline concentration (591.5 mg/L). Ten compounds were detected at concentrations above relevant AWQSs. Chart 1 (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 1.4 ppm, and there was essentially no DO measured in the well (0.43 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.

- VOCs were detected in well MW-18 at a total VOC concentration of 6.9 mg/L after being detected at concentration of 41.4 mg/L during the previous (September 2016) sampling event. One compound was detected; tetrachloroethene (6.9 mg/L) that slightly exceeded the relevant AWQSs. As shown in Chart 1 (Graph B) and Chart 3, contaminant levels remain non-detect to relatively low compared to the October 2015 baseline concentrations. The data indicates that the ISCO treatment has effectively reduced contaminant levels in this well. Persulfate (3.5 ppm) levels decreased significantly from the September 2016 sampling event while DO (22.8 mg/L) remained slightly elevated in this well compared to the other wells that were sampled.

- The TVOC concentration in cross gradient well MW-22 (Non-Detect) decreased relative to the September 2016 result (7.7 mg/L). This represents a fifth consecutive event with continued decreasing concentrations relative to the October 2015 baseline concentration (108.3 mg/L). No compounds were detected with concentrations above AWQSs. Persulfate and DO was measured at levels of 14 ppm and 0.42 mg/L, respectively, indicating some ISCO treatment chemical may still be present in the well that could be responsible for the reduction of contaminant levels in this area.

- The TVOC concentration in the former source area well ASW (3,214 mg/L) increased somewhat from the September 2016 result (2,785 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 (0.7 ppm) and DO (0.14 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 (201.68 mg/L), located at the downgradient Site boundary, decreased significantly from the September 2016 event (2,129.4 mg/L), and dropped below 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 (3.5 ppm) is near depleted in this well, while DO levels increased slightly (4.45 mg/L) during this event.

- The TVOC concentration in off-site downgradient well MW-21 (0.22 mg/L) represented a significant decrease from the September 2016 event (342.9 mg/L), returning to contamination levels similar to March and May 2016 events and a significant decrease from the October 2015 baseline result (453 mg/L). The persulfate level (4.2 ppm) and DO (6.09 mg/L) increased from the September event.

Semi-Volatile Organic and Organochlorine Pesticides Compounds

As shown in Table 2, the December 2016 SVOC analytical results were generally similar to the previous quarterly sample results. Contaminants detected at concentrations above the relevant AWQS were reported for only one compound (naphthalene), and those exceedances were reported in only two wells (ASW and MW-17). Review of Table 2 shows that the SVOC concentration trends since October 2015 generally mimic the TVOC trends described above.

For the organochlorine pesticides sample results, three wells had compounds with concentrations above AWQSs. ASW had an exceedance for Alpha-BHC (0.17 mg/L). MW-17 had an exceedance of Aldrin at a concentration of 0.073J mg/L (0.089J mg/L in the field duplicate sample). And MW-22 had an exceedance of Heptachlor Epoxide (0.17J mg/L). All other results were either non-detect or less than relevant AWQSs. This generally marks an improving trend from the October 2015 baseline results.

4.0 Summary and Conclusions

From the review of the December 2016 sampling results along with the October 2015 baseline and subsequent post-ISCO injection results, the following observations with respect to groundwater contaminant trends are made:

- The data from MW-17 indicates that further aerobic biodegradation may be unlikely to occur and there is potential for some rebound in VOC concentration to occur in this upgradient area of the Site. This could be a result of depleted persulfate and DO levels and/or the potential for inflow of residual groundwater impacts from the northern Site periphery, outside the ISCO treatment area.
- VOC concentrations increased slightly in the former source area well ASW since the previous event but remain similar with all post-ISCO injection sample results. Chart 1 (Graph D) shows that VOC concentrations increased after the ISCO injection and Chart 2 shows that VOC concentrations remain consistent with pre-injection levels in this former primary source area well, This on-going relatively static condition indicates there may have been significant contaminant mass in the vadose and/or temporal zone in this area that was solubilized during injection thereby reducing available ISCO treatment effectiveness,
- Concentrations decreased significantly in MW-23 at the downgradient Site boundary, but xylenes, trimethylbenzene and certain other compounds remain above AWQSs. The levels of sodium persulfate and DO in wells ASW and MW-23 appear to be relatively depleted, suggesting that further chemical oxidation and aerobic biodegradation is unlikely to occur in this highly impacted area of the Site.
- VOC concentrations continued to remain low near the center (MW-18) and western cross-gradient (MW-22) areas of the Site. In all likelihood, the concentration changes in these wells reflect the effects of the ISCO treatment in an area of the Site outside the main former source location, and where no significant residual soil contamination remains.
- Persulfate and DO levels in the center of the Site (MW-18) decreased from the September results, indicating that residual ISCO chemicals may be depleted from this area and may not be available to disperse further downgradient to the more highly impacted source area (wells ASW and MW-23).
- The SVOC concentration trends in all wells sampled in the quarterly sampling events to date essentially mimic the VOC trends. Therefore, there does not appear to be a need to continue to collect SVOC data during the remaining post-ISCO quarterly sampling events; the VOC data trends alone will be adequate to monitor changes in contaminant levels.
- The organochlorine pesticide concentration trends have remained fairly constant in all wells sampled during the quarterly sampling events to date. Based on this, and considering that the contaminant trend analysis for the post-ISCO monitoring program is based primarily on the VOC data, it may be acceptable to discontinue pesticide analyses from the remaining quarterly events and continue the pesticide analysis for future annual (five-quarter) events only.

5.0 Recommendations

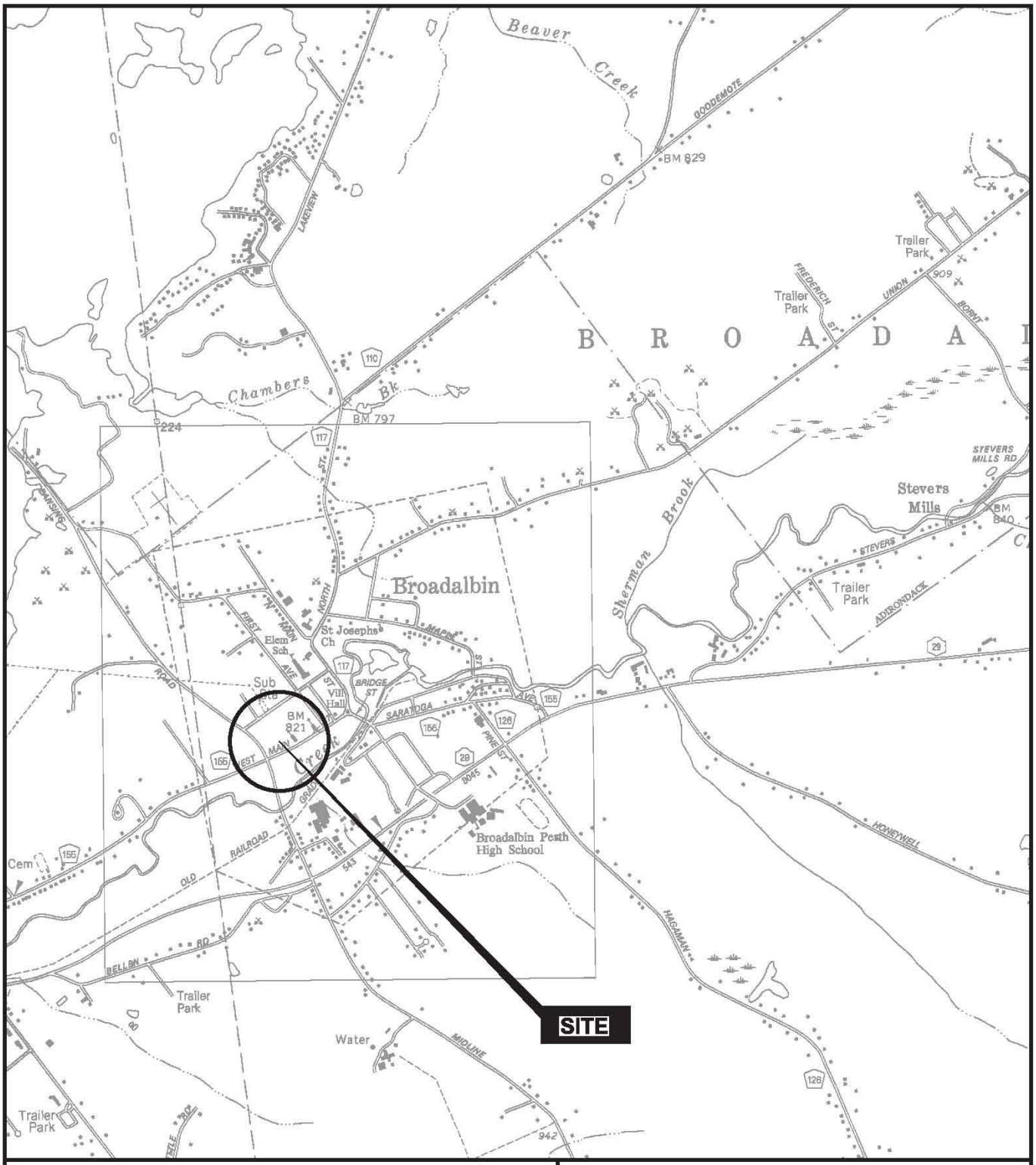
Based on the results of this monitoring event, and review of the VOC trends to date, it is recommended that the 6 wells included in the present monitoring well sampling program (i.e., ASW, MW-17, MW-18, MW-21, MW-22 and MW-23) be unchanged for the next quarterly sampling event (March, 2017). The March 2017 event will also comprise the annual (5-quarter) site-wide sampling event as required in the Site Management Plan and will include sampling of all twenty monitoring wells.

Changes in groundwater quality will continue to be monitored and evaluated for evidence of contaminant reduction during future quarterly sampling events. The review of changes in groundwater quality and additional recommendations will be provided as deemed necessary.

Based on the quarterly data generated to date, it appears that it would be acceptable to omit the SVOC and organochlorine pesticide sample analyses from the remaining quarterly post-ISCO sampling events.

The results of post-ISCO quarterly monitoring to date indicate that the level of active persulfate remaining in the injection area is unlikely to further reduce contaminant mass. Similarly, the amount of residual ORC in the injection area to promote aerobic degradation and reduce contaminant mass is low. Because of this, and considering that VOC concentrations at certain locations within the plume (i.e. updradient Site boundary and former primary source area in southwest quadrant of Site) remain stable and well above relevant AWQSs, it is recommended that a second round of ISCO treatment be administered, targeted on the residual hot spot areas of the Site.

Figures



MAP REFERENCE: NYSDOT 7.5 MIN. QUADRANGLE
BROADALBIN SERIES

PLAN

NORTH

Scale in Feet

0 1000' 2000'

AECOM

FIGURE 1

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

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: OCTOBER 2013	PROJECT NO.: 60273289

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

LEGEND

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

0 60' 120'

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

AECOM

Figure: 2

EXISTING CONDITIONS

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

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

AECOM

Figure: 3

TOTAL VOC ISOCONCENTRATION CONTOUR MAP OCTOBER 14, 2015

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

LEGEND

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

0 60' 120'

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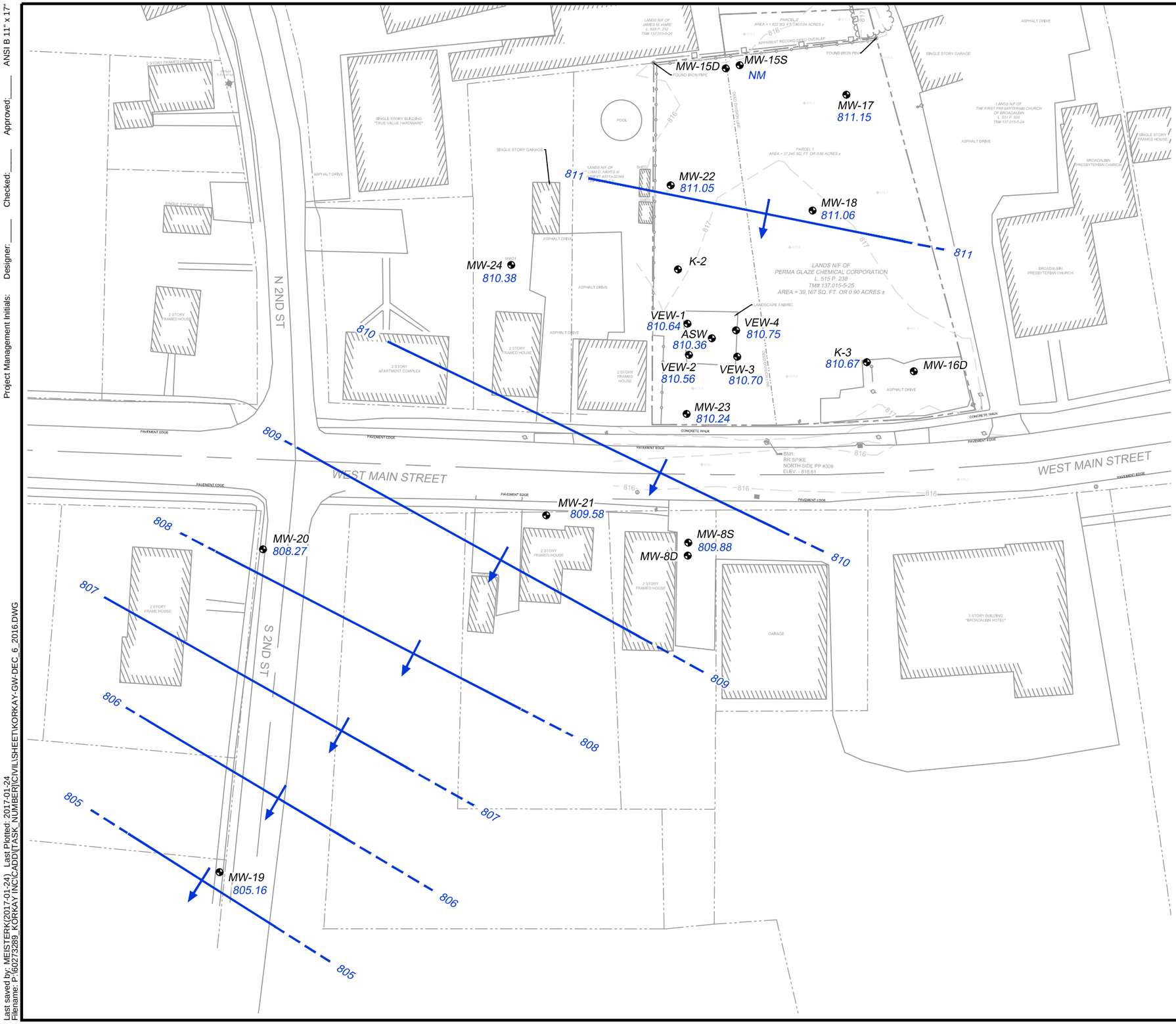

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 — TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 — MONITORING WELL
- 809.91 — GROUNDWATER ELEVATION (DECEMBER 6, 2016)
- 810 — GROUNDWATER CONTOUR (DECEMBER 6, 2016)
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- NM — NOT MEASURED

AECOM

Figure: 4

SHALLOW AQUIFER WATER TABLE CONTOUR MAP DECEMBER 6, 2016

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

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

LEGEND

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

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

0 60' 120'

AECOM

Figure: 5a

TOTAL VOC ISOCONCENTRATION CONTOUR MAP DECEMBER 8, 2015

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

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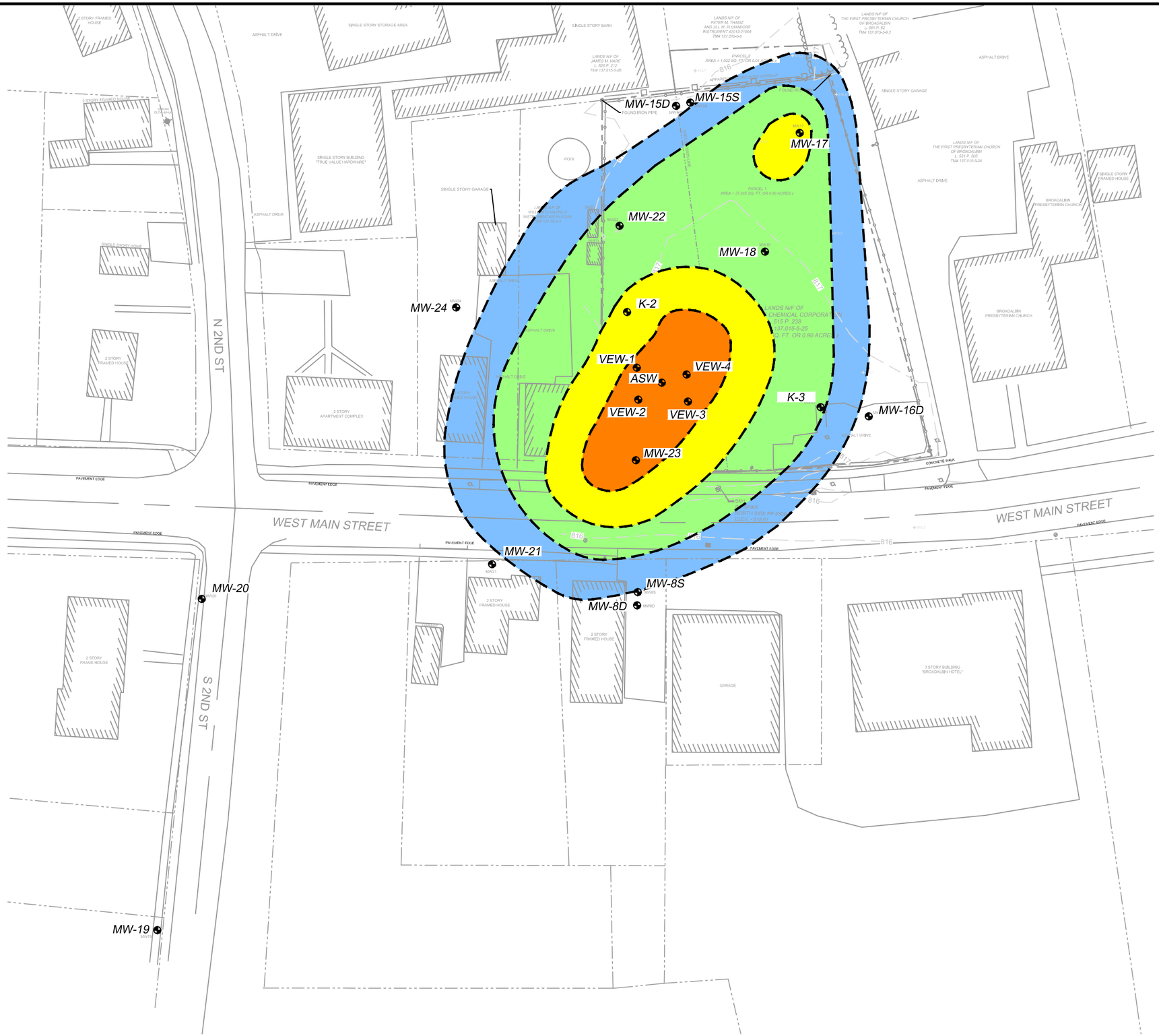

LEGEND

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

0 60' 120'

AECOM

Figure: 5b

TOTAL VOC ISOCONCENTRATION CONTOUR MAP MARCH 8, 2016

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

Last saved by: MEISTERK(2016-04-07) Last Plotted: 2016-04-07
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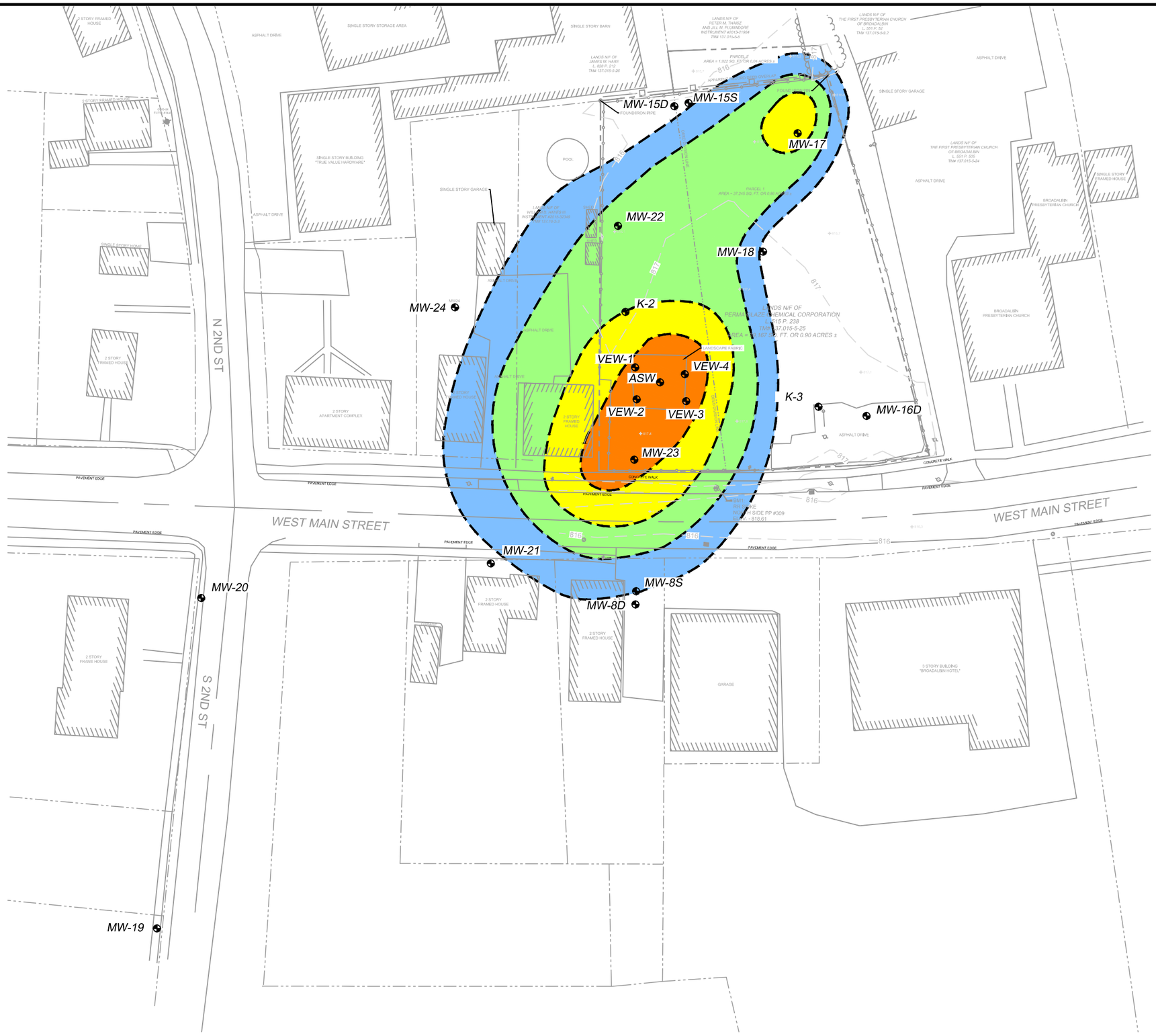

LEGEND

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

0 60' 120'

AECOM

Figure: 5c

TOTAL VOC ISOCONCENTRATION CONTOUR MAP MAY 31, 2016

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

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

AECOM

Figure: 5d

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
SEPTEMBER 14, 2016

LEGEND

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

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

N 2ND ST
S 2ND ST
WEST MAIN STREET

0 60' 120'

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

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

AECOM

Figure: 5e

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
DECEMBER 6, 2016

LEGEND

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

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

0 60' 120'

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

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

Tables

Table 1

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

December 6, 2016

Well ID	Top of Casing Elevation**	Total Well Depth	Depth to Water	Water Table Elevation
MW-8S	816.04	10.61	6.16	809.88
MW-8D*	816.02	55.50	27.03	788.99
MW-15S	816.02	NM	NM	- -
MW-15D*	816.13	40.02	24.55	791.58
MW-16D ***(formerly 'Flushmount')****	817.08	54.54	28.18	788.90
K-2	816.98	NM	NM	- -
K-3	817.23	14.20	6.56	810.67
ASW	817.44	11.80	7.08	810.36
VEW-1	816.99	8.32	6.35	810.64
VEW-2	816.99	8.50	6.43	810.56
VEW-3	817.74	8.55	7.04	810.70
VEW-4	817.49	8.20	6.74	810.75
MW-17	816.23	14.37	5.08	811.15
MW-18	817.15	14.30	6.09	811.06
MW-19	809.28	9.60	4.12	805.16
MW-20	813.82	13.16	5.55	808.27
MW-21	816.19	11.11	6.61	809.58
MW-22	815.82	9.28	4.77	811.05
MW-23	817.21	14.23	6.92	810.29
MW-24	817.48	11.20	7.10	810.38

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

NM = Water level not measured.

Table 2
Post ISCO Injection Groundwater Analytical Results
December 2016 Quarterly Monitoring Event
Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		ASW												MW-17																				MW-18											
	AWQS or GV	10/13/15		12/8/15		3/8/16		5/31/16		9/14/16		12/6/16		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]		10/14/15		12/8/15		3/8/16		5/31/16		9/14/16		12/6/16	
Volatile Organic Compounds (µg/L)																																													
1,2,4-Trimethylbenzene	5	**420**		**950**		**880**		**970**	F1	**840**		**940**		**220**		5	U	5	U	**61**		**170**		**200**		**87**		**100**		**200**		**200**		**440**		**15**		10	U	10	U	**3.3**	J	1	U
1,2-Dichlorobenzene	3	**24**		**31**		**28**		**35**		**27**		**32**		**28**		**15**		**14**		10	U	**14**		20	U	**11**		**12**		**15**		**15**		**26**		10	U	10	U	10	U	4	U	1	U
1,3,5-Trimethylbenzene	5	**260**		**310**		**340**		**380**		**320**		**330**		**140**		5	U	5	U	**54**		**100**		**120**		**37**		**51**		**85**		**83**		**180**		10	U	10	U	10	U	4	U	1	U
1,1-Dichloroethane	5	5	U	20	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
1,4-Dichlorobenzene	3	5	U	20	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	**4.4**	J	10	U	10	U	10	U	4	U	1	U
2-Butanone (MEK)	50 (GV)	**12**	J	200	U	200	U	200	U	200	U	200	U	50	U	50	U	50	U	100	U	100	U	200	U	5	U	5	U	**9.2**	J	50	U	50	U	100	U	100	U	100	U	40	U	10	U
4-Isopropyltoluene	5	**37**		**39**		**47**		**58**		**41**		**43**		**28**		5	U	5	U	**6.6**	J	**19**		**25**		**9.7**		**12**		**18**		**19**		**31**		**3.5**	J	10	U	10	U	4	U	1	U
Acetone	50 (GV)	**22**	J	**76**	J	**150**	J	**190**	J	**160**	J	**130**	J	50	U	**25**	J	**24**	J	100	U	100	U	200	U	50	U	50	U	50	U	50	U	50	U	**73**	J	100	U	100	U	**16**	J	10	U
Carbon Disulfide	60	5	U	20	U	20	U	20	U	**4.8**	J	**4.5**	J	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	5	U	10	U	10	U	10	U	4	U	1	U
Chloroethane	5	5	U	20	U	20	U	**14**	J	20	U	**8**	J	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
Chloromethane	NS	5	U	20	U	**50**		**70**		20	U	20	U	5	U	**7**		**7**		10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	**17**		10	U	10	U	4	U	1	U
cis-1,2-Dichloroethene	5	**24**		20	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
Cyclohexane	NS	5	U	20	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
Ethylbenzene	5	**110**		**120**		**130**		**140**		**94**		**140**		**4**	J	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	**46**		10	U	10	U	10	U	4	U	1	U
Isopropylbenzene	5	**34**		**43**		**43**		**56**		**37**		**42**		**9.1**		5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	**4.4**	J	**21**		10	U	10	U	10	U	4	U	1	U
Methylcyclohexane	NS	**16**		**6.1**	J	**29**		**34**		**21**		**21**		**4.8**	J	5	U	5	U	10	U	10	U	20	U	5	U	**3**	J	**1.2**	J	5	U	**7**		10	U	10	U	10	U	4	U	1	U
m,p-Xylene	5	**340**		**580**		**710**		**730**	F1	**610**		**750**		**21**		10	U	10	U	20	U	20	U	40	U	**3.3**	J	**4**	J	**11**		**12**		**220**		20	U	20	U	20	U	**2.6**	J	2.5	U
n-Butylbenzene	5	**68**		**73**		**47**		**97**		**58**		**62**		**36**		5	U	5	U	10	U	**22**		**27**		**12**		**10**		**7.5**		**23**		**41**		10	U	10	U	10	U	4	U	1	U
n-Propylbenzene	5	**60**		**78**		**80**		**110**		**69**		**81**		**16**		5	U	5	U	10	U	10	U	20	U	**4.8**	J	**6.2**		**7.9**		**7.9**		**42**		10	U	10	U	10	U	4	U	1	U
Methylene Chloride	5	5	U	20	U	**14**	J	20	U	**21**		20	U	5	U	5	U	5	U	**5.7**	J	10	U	20	U	5	U	5	U	5	U	5	U	5	U	**4.5**	J	**6.3**	J	10	U	4	U	1	U
Naphthalene	10 (GV)	**84**		**120**		**86**		**110**		**91**		**110**		**32**		5	U	5	U	**6.9**	J	**26**		**27**		**11**		**12**		**26**		**24**		**55**		**9.2**	J	10	U	10	U	4	U	1	U
o-Xylene	5	**390**		**370**		**410**		**420**	F1	**330**		**460**		**32**		**8.2**		**7.8**		**11**		**23**		**25**		**5.6**		**5.6**		**21**		**23**		**120**		10	U	10	U	10	U	**8.5**		1	U
Styrene	5	5	U	20	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
sec-Butylbenzene	5	**30**		**30**		20	U	**47**		**36**		**34**		**16**		5	U	5	U	10	U	**7.9**	J	20	U	**5.3**		**7.8**		**8.3**		**9.4**		**21**		10	U	10	U	10	U	4	U	1	U
Tetrachloroethene (PCE)	5	5	U	20	U	**15**	J	**34**		**25**		**26**		**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	**18**		10	U	**3.6**	J	10	U	**11**		**6.9**	
Trichloroethene	5	5	U	20	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
Toluene	5	**10**		20	U	20	U	**10**	J	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U	1	U
Xylene (Total)	NS	**550**		**950**		**1,100**		**1,200**	F1	**940**		**1,200**		**53**		**8.2**	J	**7.8**	J	**11**	J	**23**		**25**	J	**8.9**	J	**9.6**	J	**32**		**35**		**340**		20	U	20	U	20	U	**11**		2	U
Total VOCs [2]		**1,941.0**	J	**2,826.1**	J	**3,059.0**	J	**3,505.0**	J	**2,784.8**	J	**3,213.5**	J	**591.5**	J	**59.3**	J	**56.4**	J	**147.9**	J	**386.3**	J	**424.0**	J	**191.0**	J	**230.2**	J	**414.2**	J	**420.7**	J	**1,272.4**	J	**122.2**	J	**9.9**	J	--		**41.4**	J	**6.9**	
Field Parameter Results																																												
DO (mg/L)	NA	ne		**0.52**		**0**		**0.2**		**0.31**		**0.14**		ne		**0.54**				**0.2**		**0.1**				**0.38**				**0.43**				ne		**29**		**42**		**19**		**24.88**		**22.8**	
ORP (MeV)	NA	ne		**-105**		**-143**		**-93**		**-92.1**		**-77.6**		ne		**-99**				**-157**		**-165**				**-124.8**				**-133.2**				ne		**199**		**147**		**166**		**180.3**		**172.3**	
Sodium Persulfate (mg/L)	NA	nt		nt		**3.5**		**1.4**		**2.1**		**0.7**		nt		nt				**4.2**		**2.1**				**0.7**				**1.4**				nt		nt		**70**		**10**		**70**		**3.5**	
Semivolatile Organic Compounds (µg/L)																																												
2,4,5-Trichlorophenol	NS	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	**0.56**	J	**0.59**	J	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
2,4-Dimethylphenol	50 (GV)	**2.7**	J	**8.6**		**10**		**8.9**	J	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	**0.76**	J	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
2-Methylnaphthalene	NS	**23**		**30**		**36**		**28**	J	**42**		250	U	52	U	4.8	U	4.8	U	4.7	U	**0.69**	J	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	**5.4**		4.9	U	5.0	U	4.6	U	25	U
4-Methylphenol	NS	**61**		**59**		**12**		95	U	**21**	J	250	U	100	U	**0.66**	J	**0.62**	J	**7.4**	J	**6.7**	J	**5**	J	4.9	U	**0.47**	J	**9**	J	**7**	J	**9.0**	J	**1.5**	J	9.7	U	9.9	U	4.6	U	25	U
Acetophenone	NS	4.8	U	**98**		**170**		48	U	24	U	250	U	52	U	**27**		**26**		4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Benzaldehyde	NS	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	**8.5**		4.9	U	5.0	U	4.6	U	25	U
Biphenyl	5	**1.7**	J	**2.2**	J	**2.5**	J	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Butyl benzyl phthalate	50 (GV)	**0.53**	JB	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	**0.52**	JB	5.0	U	4.6	U	25	U
Di-n-butylphthalate	50	**1.7**	J	**2.2**	J	**2.5**	J	48	U	**3**	J	250	U	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	26	U	**0.47**	J	4.9	U	5.0	U	4.6	U	25	U
Diethyl phthalate	50 (GV)	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Di-n-octylphthalate	50 (GV)	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Fluorene	50 (GV)	**0.46**	J	**0.48**	J	**0.59**	J	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Naphthalene	10 (GV)	**46**		**68**		**82**		**65**		**90**		**60**	J	**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	26	U	4.6	U	**0.78**	J	5.0	U	**1.9**	J	25	U
Acenaphthene	20	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Dibenzofuron	NS	9.6	U	9.2	U	10.4	U	96		48	U	500	U	52	U	9.6	U	9.6	U	9.4	U	9.8	U	9.4	U	9.8	U	9.4	U	48	U	50	U	26	U	4.6	U	9.8	U	10	U	9.2	U	50	U
Fluoranthene	50(GV)	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Phenanthrene	50(GV)	4.8	U	4.6	U	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Phenol	1	4.8	U	**0.48**	J	5.2	U	48	U	24	U	250	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	24	U	25	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U	25	U
Organochlorine Pesticides (µg/L)																																												
Aldrin	ND	0.50	U	**0.051**	J	0.49	U	0.048	U	0.500	U	0.490	U	**0.035**	J	**0.14**	J	**0.16**	J	0.49	U	0.25	U	0.046	U	**0.064**	J	**0.059**	J	**0.089**	J	**0.073**	J	0.25	U	**0.11**	J	0.23	U	0.049	U	0.24	U	0.05	U
alpha-BHC	0.01	**0.12**	JB	0.23	U	**0.093**	J	0.048	U	**0.086**	JB	**0.17**	JB	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	0.25	U	**0.13**	J	**0.05**	J	0.049	U	**0.058**	J	0.05	U
alpha-Chlordane	NS	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	**0.098**	J	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
beta-BHC	0.04	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
delta-BHC	0.04	**0.14**	J	**0.12**	J	**0.14**	J	**0.019**	J	0.500	U	0.490	U	**0.045**	J	**0.25**	J	**0.26**	J	**0.16**	J	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	**0.25**	J	**0.057**	J	**0.018**	J	0.24	U	0.05	U
Dieldrin	0.004	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	**0.13**	J	**0.13**	J	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	**0.1**	J	0.23	U	0.049	U	0.24	U	0.05	U
Endosulfan Sulfate	NS	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	**0.27**	J	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	**0.24**	J	0.23	U	0.049	U	0.24	U	0.05	U
Endrin Aldehyde	5	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	**0.042**	J	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
gamma-BHC (Lindane)	0.05	0.50	U	**0.058**	J	0.49	U	0.048	U	0.500	U	0.490	U	**0.023**	J	**0.12**	J	**0.12**	J	**0.11**	JB	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	**0.13**	J	**0.063**	JB	0.049	U	0.24	U	**0.013**	JB
Heptachlor	0.04	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	**0.11**	J	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
Heptachlor Epoxide	0.03	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
Methoxychlor	35	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	**0.13**	J	0.23	U	0.049	U	**0.16**	J	0.05	U
4,4-DDD	0.3	0.50	U	**0.067**	J	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	0.46	U	**0.13**	J	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
P,P'-DDE	0.2	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	**0.035**	J	0.46	U	**0.13**	J	0.49	U	0.25	U	0.046	U	0.24	U	0.23	U	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U
gamma-Chlordane	NS	0.50	U	0.23	U	0.49	U	0.048	U	0.500	U	0.490	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	**0.017**	J	**0.055**	J	**0.06**	J	0.23	U	0.25	U	0.25	U	0.46	U	0.23	U	0.049	U	0.24	U	0.05	U

Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
ND - Non-detectable concentration
NA - Not applicable
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit
B - For organic analyses - compound detected in laboratory method blank; for inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit
F1 - MS and/or MSD recovery is outside acceptable limits
F2 - MS/MSD RPD exceeds control limits
ne - Not evaluated
nt - Not tested
[1] - Duplicate Sample
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration

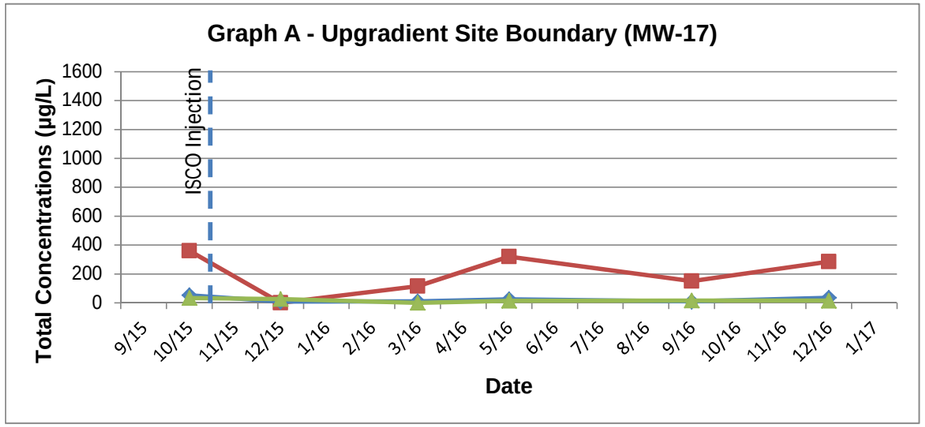
Table 2
Post ISCO Injection Groundwater Analytical Results
December 2016 Quarterly Monitoring Event
Korkay, Inc.
Broadalbin, New York (Site #518014)

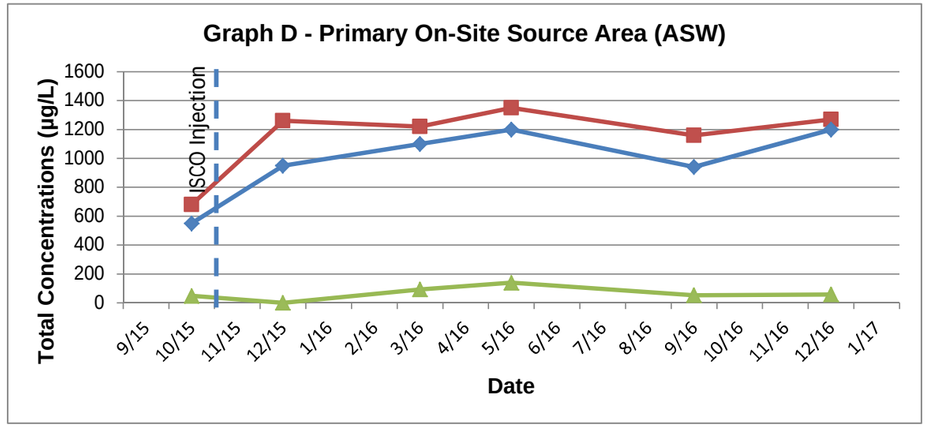
Well ID		MW-21						MW-22							MW-23					
	AWQS or GV	10/15/15	3/8/16	5/31/16	9/14/16	12/6/16		10/14/15	12/8/15	3/8/16	3/08/16 [1]	5/31/16	9/14/16	12/6/16	10/14/15	12/8/15	3/8/16	5/31/16	9/14/16	12/6/16
Volatile Organic Compounds (µg/L)																				
1,2,4-Trimethylbenzene	5	**140**	**0.91** J	1 U	**130**	1 U		**21**	**26**	**19**	**13**	**5.9**	5 U	5 U	**110**	**160**	**770**	**570**	**570**	**45**
1,2-Dichlorobenzene	3	20 U	**1.1**	1 U	**12**	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	**18**	**8.6**	**47**	**34**	**30**	**2.3**
1,3,5-Trimethylbenzene	5	**39**	1 U	1 U	1 U	1 U		**11**	**13**	**15**	**16**	**5.2**	5 U	5 U	**66**	**49**	**260**	**200**	**200**	**15**
1,1-Dichloroethane	5	20 U	1 U	1 U	**0.9** J	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	1 U
1,4-Dichlorobenzene	3	20 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	5 U	10 U	10 U	10 U	1 U
2-Butanone (MEK)	50 (GV)	200 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	**24** J	**63** J	**28** J	100 **U**	10 U
4-Isopropyltoluene	5	**12** J	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	**16**	**9**	**38**	**35**	**26**	**3.4**
Acetone	50 (GV)	200 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	**140**	**390**	**150**	**48** J	**4** J
Carbon Disulfide	60	20 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	5 U	10 U	**2** J	**2.2** J	1 U
Chloroethane	5	20 U	1 U	1 U	**0.72** J	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**27**	**8.1** J	**6.3** J	**0.58** J
Chloromethane	NS	20 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	**23**	**120**	**50**	**35**	**1.2**
cis-1,2-Dichloroethene	5	20 U	**2.5**	**1.8**	**14**	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	**5.3**	**10**	**9.2** J	10 U	**14**	**2.2**
Cyclohexane	NS	20 U	1 U	1 U	**1.7**	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**7.9** J	10 U	**3.6** J	1 U
Ethylbenzene	5	**43**	1 U	1 U	**70**	1 U		**5.5**	10 U	5 U	5 U	5 U	5 U	5 U	**24**	**40**	**190**	**120**	**110**	**15**
Isopropylbenzene	5	20 U	1 U	1 U	**19**	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	**7.7**	**10**	**49**	**41**	**33**	**3.2**
Methylcyclohexane	NS	20 U	1 U	1 U	**4.2**	**0.22** J		**3.1** J	10 U	5 U	5 U	5 U	5 U	5 U	**6.1**	**2.1** J	**19**	**20**	**12**	**1.3**
m,p-Xylene	5	**54**	2 U	2 U	**1.2** J	2 U		**22**	20 U	10 U	10 U	10 U	10 U	10 U	**100**	**160**	**890**	**540**	**580**	**54**
n-Butylbenzene	5	**30**	1 U	1 U	**18**	1 U		**8**	**9.8** J	**3.3** J	**3.5** J	5 U	5 U	5 U	**22**	**15**	**34**	**53**	**15**	**4.6**
n-Propylbenzene	5	**15** J	1 U	1 U	**28**	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	**12**	**17**	**79**	**68**	**53**	**5**
Methylene Chloride	5	20 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	5 U	**8.8** J	10 U	**9.3** J	1 U
Naphthalene	10 (GV)	20 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	**21**	**25**	**120**	**85**	**82**	**6.9**
o-Xylene	5	**120**	1 U	1 U	**42**	1 U		**14**	10 U	5 U	5 U	5 U	5 U	5 U	**99**	**84**	**440**	**260**	**300**	**34**
Styrene	5	20 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	5 U	**13**	10 U	10 U	**1.1**
sec-Butylbenzene	5	20 U	1 U	1 U	1 U	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	**8**	**7.2**	10 U	**27**	10 U	**2.9**
Tetrachloroethene (PCE)	5	20 U	1 U	1 U	**0.52** J	1 U		**3.4** J	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	1 U
Trichloroethene	5	20 U	1 U	1 U	**0.63** J	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	1 U
Toluene	5	20 U	1 U	1 U	1 U	1 U		5 U	10 U	5 U	5 U	5 U	5 U	5 U	**6.8**	**4.7** J	**12**	**9.4** J	10 U	1 U
Xylene (Total)	NS	**170**	1 U	1 U	**43**	2 U		**36**	20 U	10 U	10 U	10 U	10 U	10 U	**200**	**240**	**1,300**	**800**	**880**	**88**
Total VOCs [2]		**453.0** J	**4.5** J	**1.8**	**342.9** J	**0.2** J		**108.3** J	**61.3** J	**45.9** J	**41.3** J	**14.2** J	**7.7** J	--	**521.9**	**788.6** J	**3,586.9** J	**2,300.5** J	**2,129.4** J	**201.7** J
Field Parameter Results																				
DO (mg/L)	NA	ne	**1.2**	**3.7**	**0.25**	**6.09**		- -	**0.3**	**2.5**		**3.5**	**0.82**	**0.42**	ne	**0.53**	**0.15**	**0.17**	**0.27**	**4.45**
ORP (MeV)	NA	ne	**-78**	**-18**	**-108.7**	**84.7**		- -	**-88**	**-4**		**4**	**22.8**	**103.7**	ne	**-101**	**-175**	**-145**	**-108.2**	**-40.1**
Sodium Persulfate (mg/L)	NA	nt	**2.5**	**0.7**	**0.7**	**4.2**		nt	nt	**7**		**4**	**14**	**14**	nt	nt	**1.4**	**0.2**	**1**	**3.5**
Semivolatile Organic Compounds (µg																				
2,4,5-Trichlorophenol	NS	5.7 U	4.6 U	4.6 U	4.6 F2F1	4.8 U		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
2,4-Dimethylphenol	50 (GV)	**2.4** J	4.6 U	4.6 F2F1	4.6 U	4.8 U		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	**4.9** J	**4.6**	**10** J	**3.8** J	**7.6** J	4.7 U
2-Methylnaphthalene	NS	5.7 U	4.6 U	4.6 F2	4.6 U	**0.83** J		5.5 U	**2.1** J	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	**2.9** J	**32**	**20**	**23**	4.7 U
4-Methylphenol	NS	**1.7** J	9.2 U	9.3 F2	4.6 U	4.8 U		**0.53** J	**0.95** J	9.7 U	9.3 U	9.5 U	4.8 U	4.9 U	40 U	**5.7** J	**9.4** J	**4.2** J	**7.2** J	4.7 U
Acetophenone	NS	5.7 U	4.6 U	4.6 F2F1	4.6 U	4.8 U		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	**44**	**210**	4.7 U	23 U	**3.4** J
Benzaldehyde	NS	5.7 U	4.6 U	4.6 F2	4.6 U	4.8 U		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	**17**	19 U	4.7 U	23 U	4.7 U
Biphenyl	5	5.7 U	4.6 U	4.6 F2	4.6 U	4.8 U		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	**0.95** J	23 U	4.7 U
Butyl benzyl phthalate	50 (GV)	**0.61** JB	4.6 U	4.6 F2F1	4.6 U	4.8 U		5.5 U	4.9 U	4.8 U	**0.55** JB	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
Di-n-butylphthalate	50	**0.71** J	4.6 U	4.6 F2	**0.96** J	4.8 U		**1.3** J	**2** J	**1.3** J	**1.2** J	**0.48** J	4.8 U	**0.93** J	**2.5** J	**0.91** J	**2** J	**1.3** J	**1.5** J	4.7 U
Diethyl phthalate	50 (GV)	5.7 U	4.6 U	4.6 F2F1	4.6 U	4.8 U		5.5 U	4.9 U	**0.78** J	**0.87** J	4.8 U	4.8 U	4.9 U	20 U	4.6 U	**1.2** J	4.7 U	23 U	4.7 U
Di-n-octylphthalate	50 (GV)	**0.93** J	4.6 U	4.6 F2	4.6 U	4.8 U		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
Fluorene	50 (GV)	5.7 U	4.6 U	4.6 F2F1	4.6 U	**0.5** J		5.5 U	**0.35** J	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
Naphthalene	10 (GV)	5.7 U	4.6 U	4.6 F2	4.6 U	**0.75** J		5.5 U	**3.1** J	4.8 U	**0.73** J	4.8 U	4.8 U	4.9 U	20 U	**15**	**96**	**59**	**68**	4.7 U
Acenaphthene	20	5.7 U	4.6 U	4.6 F2	4.6 U	**0.87** J		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
Dibenzofuron	NS	11.4 U	9.2 U	9.2 U	9.2 U	**0.58** J		11 U	9.8 U	9.6 U	9.4 U	9.6 U	9.6 U	9.8 U	40 U	9.2 U	38 U	9.4 U	46 U	4.7 U
Fluoranthene	50(GV)	5.7 U	4.6 U	4.6 F2	4.6 U	**0.46** J		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
Phenanthrene	50(GV)	5.7 U	4.6 U	4.6 F2	4.6 U	**0.97** J		5.5 U	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	4.6 U	19 U	4.7 U	23 U	4.7 U
Phenol	1	5.7 U	4.6 U	4.6 U	4.6 U	4.8 U		**1.0** J	4.9 U	4.8 U	4.7 U	4.8 U	4.8 U	4.9 U	20 U	**1.1** J	19 U	4.7 U	23 U	4.7 U
Organochlorine Pesticides (µg/L)																				
Aldrin	ND	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	**0.12** J	**0.044** J	**0.094** J	0.096 U	**0.069** J	0.25 U	0.10 U	0.23 U	0.52 U	0.047 U	**0.041** J	0.48 U
alpha-BHC	0.01	0.25 U	**0.03** J	0.047 U	0.23 U	0.048 U		0.53 U	**0.084** J	0.24 U	0.24 U	0.096 U	**0.019** JB	0.25 U	0.10 U	**0.074** J	**0.13** J	0.047 U	0.23 U	0.48 U
alpha-Chlordane	NS	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	**0.16** J	**0.41**	**0.63**	0.096 U	**0.6**	**0.15** J	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
beta-BHC	0.04	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	**0.26** J	0.24 U	0.24 U	0.096 U	0.093 U	0.25 U	0.10 U	**0.14** J	0.52 U	0.047 U	0.23 U	0.48 U
delta-BHC	0.04	0.25 U	0.098 U	**0.014** J	0.23 U	0.048 U		0.53 U	**0.27** J	**0.055** J	**0.1** J	0.096 U	0.093 U	0.25 U	0.10 U	0.23 U	0.52 U	**0.015** J	0.23 U	0.48 U
Dieldrin	0.004	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	**0.28** J	0.24 U	0.24 U	0.096 U	**0.064** J	0.25 U	0.10 U	**0.046** J	0.52 U	0.047 U	0.23 U	0.48 U
Endosulfan Sulfate	NS	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	0.5 U	0.24 U	0.24 U	0.096 U	0.093 U	0.25 U	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
Endrin Aldehyde	5	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	0.5 U	0.24 U	0.24 U	0.096 U	0.093 U	0.25 U	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
gamma-BHC (Lindane)	0.05	0.25 U	**0.017** JB	**0.0089** J	0.23 U	0.048 U		0.53 U	**0.12** J	0.24 U	0.24 U	**0.22**	0.093 U	0.25 U	**0.056** J	**0.077** J	0.52 U	0.047 U	0.23 U	0.48 U
Heptachlor	0.04	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	0.5 U	0.24 U	0.24 U	0.096 U	0.093 U	0.25 U	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
Heptachlor Epoxide	0.03	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	**0.25** J	0.24 U	0.24 U	0.096 U	**0.082** J	**0.17** J	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
Methoxychlor	35	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	0.5 U	0.24 U	0.24 U	0.096 U	0.093 U	0.25 U	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
4,4-DDD	0.3	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	**0.16** J	0.24 U	0.24 U	0.096 U	0.093 U	0.25 U	**0.025** J	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
P,P'-DDE	0.2	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	0.5 U	0.24 U	**0.12** J	0.096 U	0.093 U	**0.095** J	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U
gamma-Chlordane	NS	0.25 U	0.098 U	0.047 U	0.23 U	0.048 U		0.53 U	0.5 U	**0.092** J	**0.13** J	0.096 U	**0.23**	0.25 U	0.10 U	0.23 U	0.52 U	0.047 U	0.23 U	0.48 U

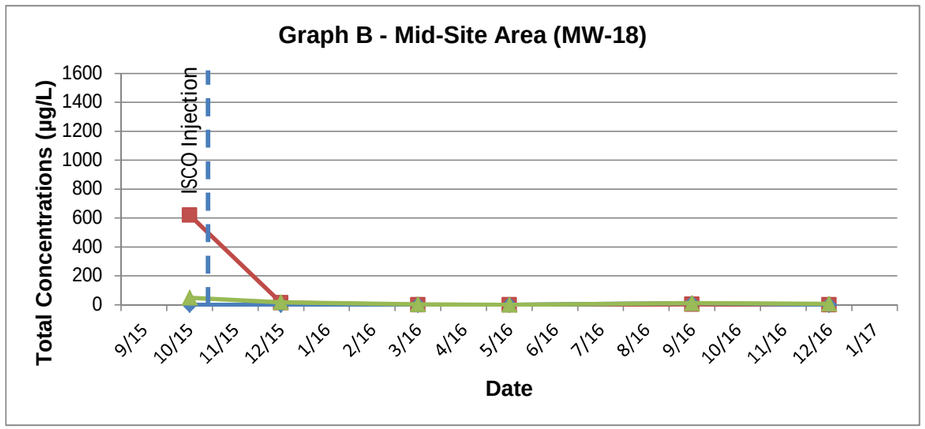
Notes:
Results compared to the New York State Ambient Water Quality Standards (AWQS) and Guidance Values (GV) (TOGs 1.1.1)
NS - No standard or GV.
ND - Non-detectable concentration
NA - Not applicable
BOLD font indicates compound concentrations detected above method detection limits
Shaded cells indicate exceedance of AWQS or GV
U - Compound analyzed for but not detected
J - Estimated concentration for compound detected below the reporting limit
B - For organic analyses - compound detected in laboratory method blank; for inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit
F1 - MS and/or MSD recovery is outside acceptable limits
F2 - MS/MSD RPD exceeds control limits
ne - Not evaluated
nt - Not tested
[1] - Duplicate Sample
[2] - Sum of all VOC concentrations detected in the sample, except the "Xylene (Total)" concentration

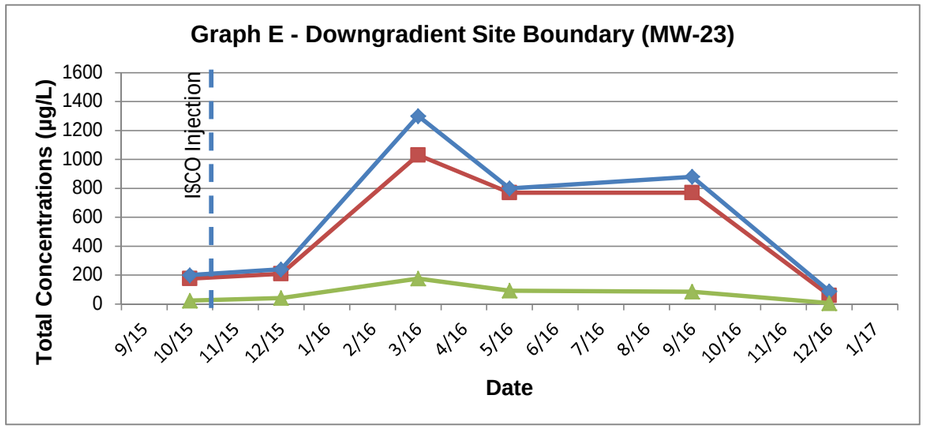
Charts

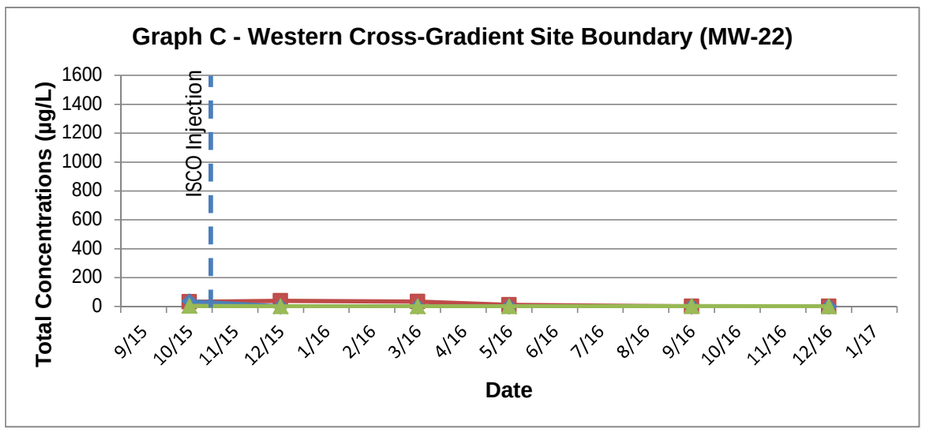
Chart 1
Post-ISCO Injection Groundwater Concentration Trends
Korkay Inc.

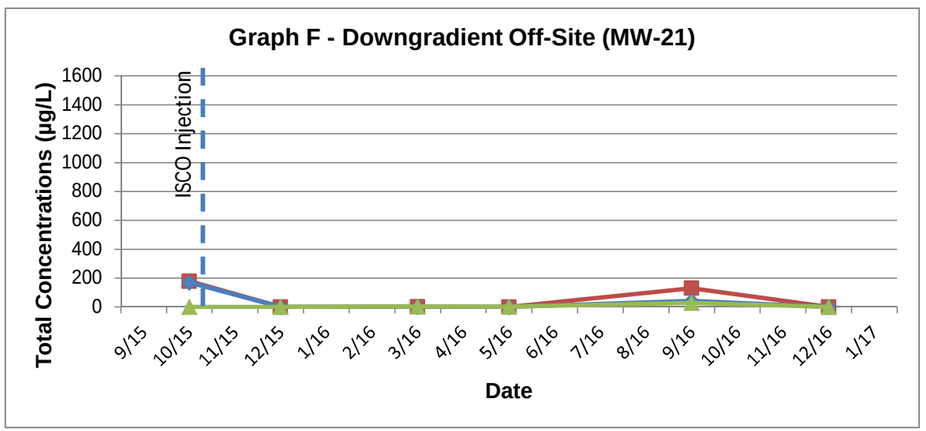


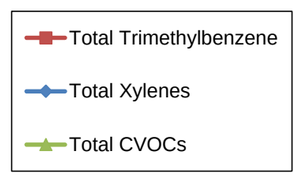








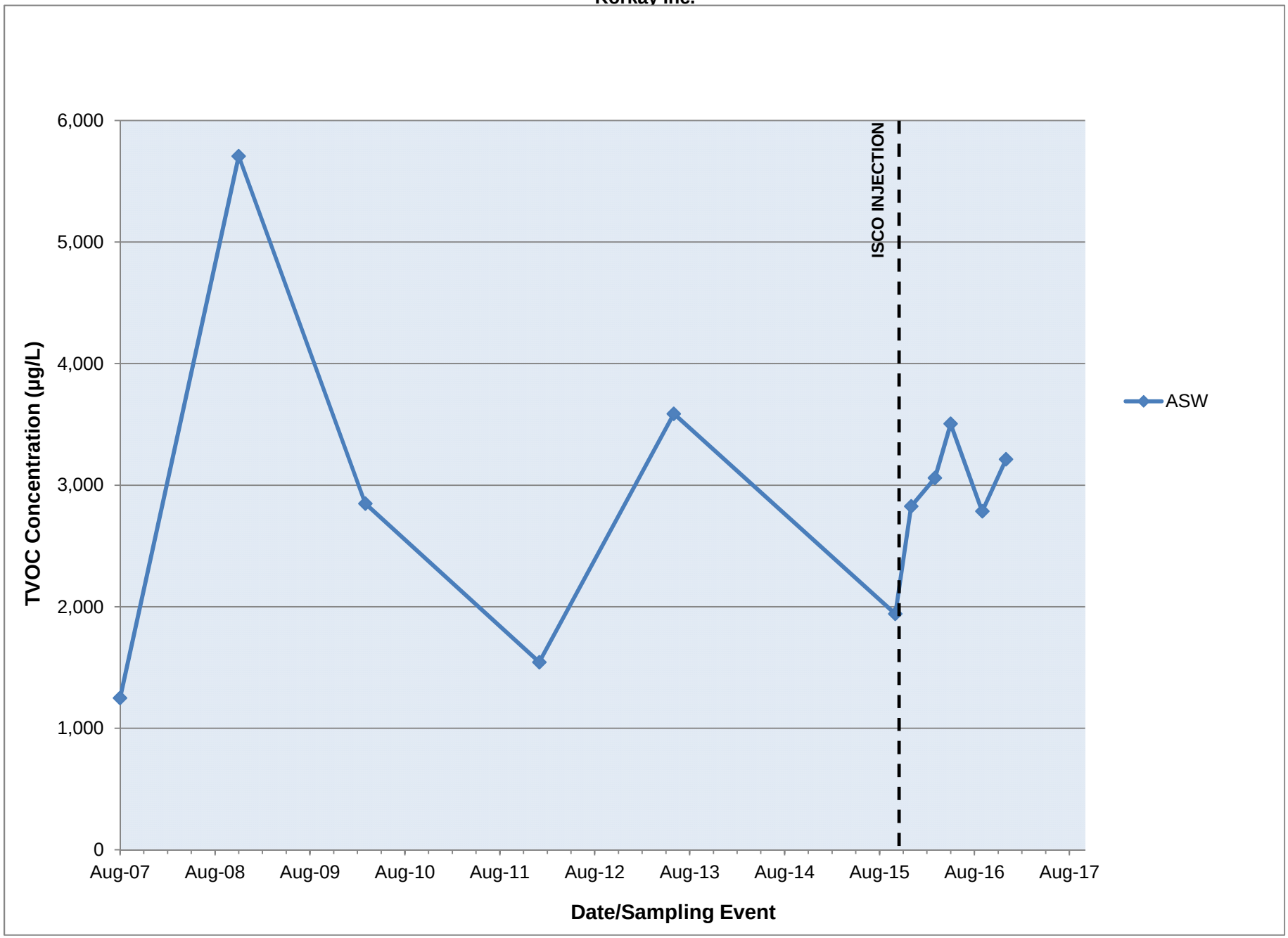




AECOM

5/25/2017

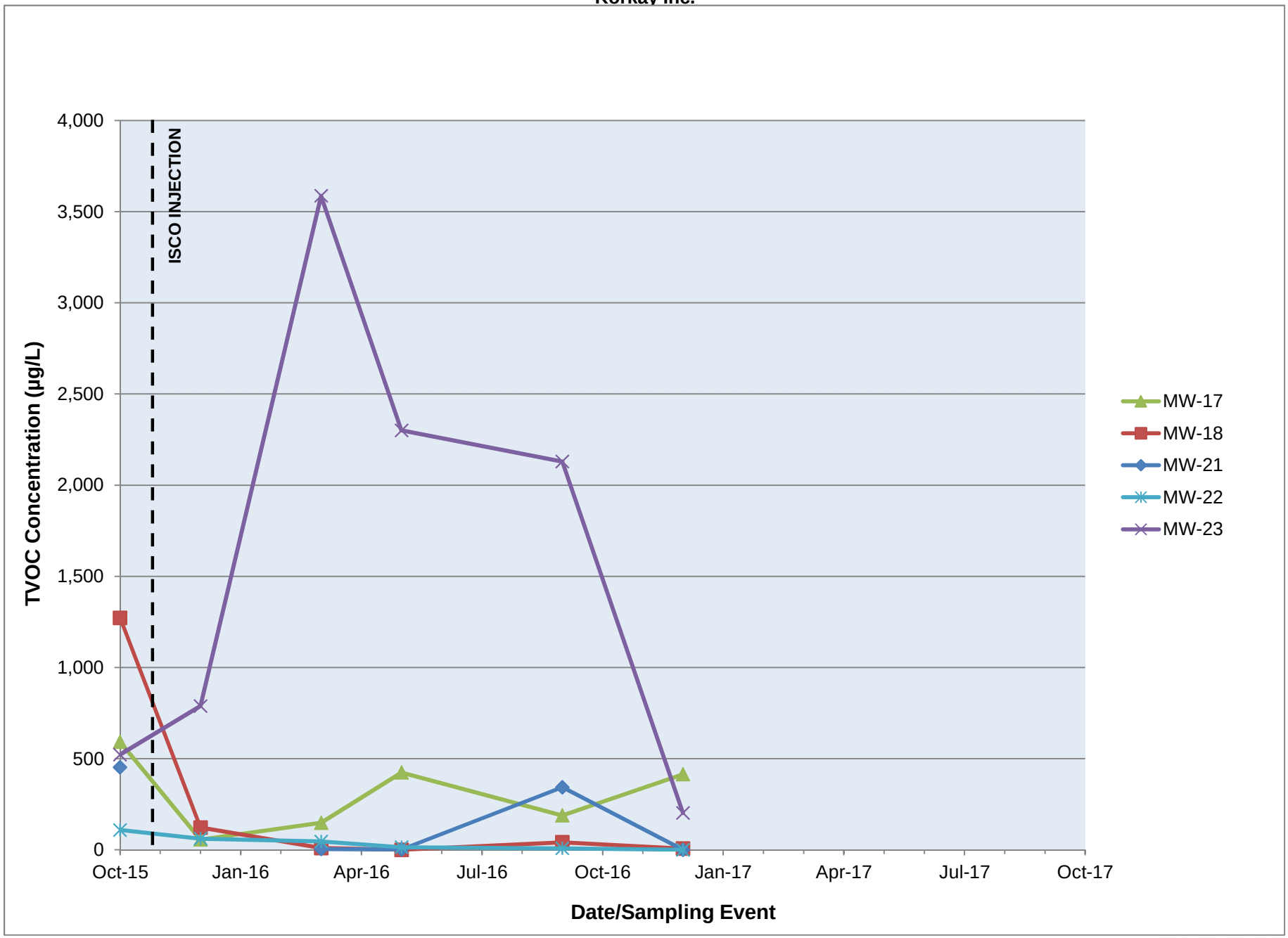
Chart 2
Post ISCO Injection Groundwater TVOC Concentration Trends - Monitoring Well ASW
Korkay Inc.



AECOM

5/25/2017

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



AECOM

5/25/2017

Appendix A

Groundwater Sampling Records

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-17 Date: December 6, 2016

Samplers: Ross McCredy

Sample Number: MW-17 120616 QA/QC Collected? DUP-1 120616

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:	14.37	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	5.08	feet
4. C = Column of Water in Well:	9.29	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.51	gal
6. 3(V) = Target Purge Volume	4.5	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 6920, YSI Pro ODO, Hach Turbidimeter

Parameter	Units	Readings						
Time	24 hr	11:27	11:32	1137	1142	1147	1152	1157
Water Level (0.33)	feet	5.20	5.30	5.45	5.48	5.56	5.48	5.48
Volume Purged	gal	0	0.25	0.40	.55	0.76	0.90	1.1
Flow Rate	mL/min	-	-	-	-	-	-	-
Turbidity (+/- 10%)	NTU	45.1	29.9	22.4	18.9	16.3	14.6	14.0
Dissolved Oxygen (+/- 10%)	%	6.6	2.5	2.1	5.3	3.2	4.0	4.3
Dissolved Oxygen (+/- 10%)	mg/L	0.71	0.27	0.21	0.58	0.33	0.40	0.43
Eh / ORP (+/- 10)	MeV	-93.8	-115.0	-123.0	-127.6	-131.1	-133.0	-133.2
Specific Conductance (+/- 3%)	mS/cm[c]	0.82 ↑	0.79 ↑	1.05	1.06	1.07	1.08	1.08
Conductivity (+/- 3%)	mS/cm	1.05 ↓	1.05 ↓	0.78	0.79	0.80	0.81	0.81
pH (+/- 0.1)	pH unit	6.86	6.87	6.88	6.88	6.89	6.89	6.89
Temp (+/- 0.5)	C°	12.2	12.0	11.9	11.8	11.8	11.8	11.8
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	Sulfur?	Injection	"	Inj	No	No	No

Comments:

Purge start time: 11:25

Sample collection time: 1157

Persulfate: 1.4 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-18 Date: December 7, 2016

Samplers: Ross McCredy

Sample Number: MW-18 120716 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:	14.30	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.09	feet
4. C = Column of Water in Well:	8.21	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.34	gal
6. 3(V) = Target Purge Volume	4.01	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 6920, YSI Pro ODO, Hach Turbidimeter

Parameter	Units	Readings						
Time	24 hr	1010	1015	1020	1025	1030		
Water Level (0.33)	feet	6.42	6.44	6.45	6.46	6.46		
Volume Purged	gal	0	0.15	0.20	0.36	0.42		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	11.6	6.09	5.64	5.42	5.31		
Dissolved Oxygen (+/- 10%)	%	214.6	217.1	213.2	208.6	209.0		
Dissolved Oxygen (+/- 10%)	mg/L	23.34	23.79	23.27	22.76	22.80		
Eh / ORP (+/- 10)	MeV	93.4	131.2	147.9	160.9	172.3		
Specific Conductance (+/- 3%)	mS/cm[c]	1.73	1.73	1.73	1.73	1.72		
Conductivity (+/- 3%)	mS/cm	1.28	1.29	1.26	1.27	1.27		
pH (+/- 0.1)	pH unit	6.75	6.74	6.74	6.73	6.73		
Temp (+/- 0.5)	C°	11.4	11.2	11.2	11.3	11.2		
Color	Visual	clear	clear	clear	clear	clear		
Odor	Olfactory	No	No	No	No	No		

Comments:
Purge start time: 1008
Sample collection time: (1030)
persulfate: 3.5 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-21 Date: December 6, 2016

Samplers: Ross McCredy

Sample Number: MW-21 120616 QA/QC Collected? N20

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:	11.11	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.61	feet
4. C = Column of Water in Well:	4.5	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.73	gal
6. 3(V) = Target Purge Volume	2.2	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 6920, YSI Pro ODO, Hach Turbidimeter

Parameter	Units	Readings						
Time	24 hr	1224	1229	1234	1239	1244		
Water Level (0.33)	feet	6.66	6.66	6.66	6.65	6.65		
Volume Purged	gal	0	0.20	0.45	0.55	0.70		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	73.5	30.2	17.9	16.3	15.0		
Dissolved Oxygen (+/- 10%)	%	63.9	57.4	59.0	56.0	56.9		
Dissolved Oxygen (+/- 10%)	mg/L	6.83	6.12	6.20	6.08	6.09		
Eh / ORP (+/- 10)	MeV	27.5	53.4	70.0	80.1	84.7		
Specific Conductance (+/- 3%)	mS/cm[c]	1.86	1.86	1.86	1.86	1.86		
Conductivity (+/- 3%)	mS/cm	1.42	1.40	1.41	1.40	1.40		
pH (+/- 0.1)	pH unit	7.07	7.06	7.06	7.05	7.05		
Temp (+/- 0.5)	C°	12.6	12.2	12.2	12.1	12.0		
Color	Visual	clear	clear	clear	clear	clear		
Odor	Olfactory	NO	NO	NO	NO	NO		

Comments:
Purge start time: 1223
Sample collection time: 1244

Persulfate : ~4.2 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-22 Date: December 7, 2016

Samplers: Ross McCredy

Sample Number: MW-22 120716 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:	9.28	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	4.77	feet
4. C = Column of Water in Well:	4.51	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.74	gal
6. 3(V) = Target Purge Volume	2.2	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 6920, YSI Pro ODO, Hach Turbidimeter

Parameter	Units	Readings						
Time	24 hr	930	935	940	945	950		
Water Level (0.33)	feet	4.90	4.96	4.97	4.97	4.97		
Volume Purged	gal	0	0.15	0.22	0.40	0.50		
Flow Rate	mL/min	-	-	-	-	-		
Turbidity (+/- 10%)	NTU	52.1	40.2	45.7	40.3	36.4		
Dissolved Oxygen (+/- 10%)	%	3.9	3.8	4.2	3.7	3.8		
Dissolved Oxygen (+/- 10%)	mg/L	0.44	0.42	0.47	0.41	0.42		
Eh / ORP (+/- 10)	MeV	154.0	141.2	130.4	109.9	103.7		
Specific Conductance (+/- 3%)	mS/cm^c	1.01	1.01	1.02	1.01	1.00		
Conductivity (+/- 3%)	mS/cm	0.73	0.73	0.73	0.73	0.73		
pH (+/- 0.1)	pH unit	6.59	6.55	6.54	6.54	6.53		
Temp (+/- 0.5)	C°	10.3	10.5	10.4	10.6	10.6		
Color	Visual	clear	clear	clear	clear	clear		
Odor	Olfactory	NO	NO	NO	NO	NO		

Comments:
Purge start time: 928
Sample collection time: 950

Persulfate : ~ 14 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-23 Date: December 6, 2016

Samplers: Ross McCredy

Sample Number: MW-23 120616 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:	14.23	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.92	feet
4. C = Column of Water in Well:	7.31	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	1.20	gal
6. 3(V) = Target Purge Volume	3.6	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 6920, YSI Pro ODO, Hach Turbidimeter

Parameter	Units	Readings							
Time	24 hr	1320	1325	1330	1335	1340	1345	1350	1355
Water Level (0.33)	feet	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95
Volume Purged	gal	0	0.15	0.29	0.35	0.49	0.55	0.60	0.73
Flow Rate	mL/min	-	-	-	-	-	-	-	-
Turbidity (+/- 10%)	NTU	2326	46.4	26.3	19.8	11.1	18.2	17.6	16.8
Dissolved Oxygen (+/- 10%)	%	0.28	1.7	3.2	7.5	27.2	36.7	37.7	40.9
Dissolved Oxygen (+/- 10%)	mg/L	0.29	0.18	0.33	0.98	2.90	3.98	4.09	4.45
Eh / ORP (+/- 10)	MeV	-117.6	-125.6	-127.5	-111.5	-73.8	-62.1	-53.1	-40.1
Specific Conductance (+/- 3%)	mS/cm^c	2.69	2.52	2.50	2.28	1.21	0.99	0.81	0.80
Conductivity (+/- 3%)	mS/cm	2.02	1.90	1.88	1.71	0.91	0.80	0.73	0.70
pH (+/- 0.1)	pH unit	6.86	6.77	6.75	6.71	6.70	6.70	6.69	6.69
Temp (+/- 0.5)	C°	12.0	12.1	12.0	11.8	11.7	11.9	11.6	11.8
Color	Visual	cloudy BL	cloudy	clear	clear	clear	clear	clear	clear
Odor	Olfactory	Inj	Inj	Inj	Inj	Inj	Inj	Inj	No

Comments:
Purge start time: 1318
Sample collection time: 1355

Purge rate: 3.5 rpm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: ASW Date: December 6, 2016

Samplers: Ross McCredy

Sample Number: ASW 120616 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump and Dedicated Tubing

1. L = Well Depth:	11.80	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	7.08	feet
4. C = Column of Water in Well:	4.72	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.77	gal
6. 3(V) = Target Purge Volume	2.3	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 6920, YSI Pro ODO, Hach Turbidimeter

Parameter	Units	Readings						
Time	24 hr	1408	1413	1418	1423			
Water Level (0.33)	feet	6.90	6.92	6.92	6.92			
Volume Purged	gal	0	0.15	0.40	0.51			
Flow Rate	mL/min	-	-	-	-			
Turbidity (+/- 10%)	NTU	42.1	11.1	4.53	3.76			
Dissolved Oxygen (+/- 10%)	%	1.9	1.3	1.0	1.4			
Dissolved Oxygen (+/- 10%)	mg/L	0.21	0.13	0.10	0.14			
Eh / ORP (+/- 10)	MeV	-42.7	-65.3	-73.9	-77.6			
Specific Conductance (+/- 3%)	mS/cm[c]	1.53	1.74	1.77	1.86			
Conductivity (+/- 3%)	mS/cm	1.14	1.32	1.35	1.41			
pH (+/- 0.1)	pH unit	6.46	6.42	6.42	6.40			
Temp (+/- 0.5)	C°	12.0	12.4	12.5	12.6			
Color	Visual	clear	clear	clear	clear			
Odor	Olfactory	Inj	Inj	Inj	Inj			

Comments:
Purge start time: 1405
Sample collection time: 1423

Persulfate: 0.7 ppm

Appendix B

Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

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

TestAmerica Job ID: 480-110708-1
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

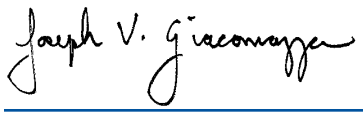
Joseph V. Giacomazza

Authorized for release by:
12/14/2016 1:01:45 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

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
12/14/2016 1:01:45 PM

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	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.

GC/MS 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

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.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Job ID: 480-110708-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-110708-1

Receipt
The samples were received on 12/8/2016 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.2º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-17 12016 (480-110708-1) and ASW 12016 (480-110708-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-335361. The following sample was affected : MW-17 12016 (480-110708-1) and ASW 12016 (480-110708-4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-335510 recovered outside acceptance criteria, low biased, for Chloromethane. 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 has been reported.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-335510 was outside the method criteria for the following analyte: Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected sample 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.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-335719 recovered outside acceptance criteria, low biased, for Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect above the reporting limit for this analyte, the data has been reported for the following affected sample MW-18 12016 (480-110708-2) .

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-22 12016 (480-110708-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-335750 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: DUP-1 12016 (480-110708-7). 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 following samples were diluted due to the nature of the sample matrix: MW-17 12016 (480-110708-1), MW-18 12016 (480-110708-2), ASW 12016 (480-110708-4) and DUP-1 12016 (480-110708-7). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: ASW 12016 (480-110708-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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 sample contained an allowable number of surrogate compounds outside limits: MW-22 12016 (480-110708-6). These results have been reported and qualified.

Job ID: 480-110708-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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. MW-17 12016 (480-110708-1), MW-18 12016 (480-110708-2), MW-21 12016 (480-110708-3), ASW 12016 (480-110708-4), MW-23 12016 (480-110708-5), MW-22 12016 (480-110708-6) and DUP-1 12016 (480-110708-7)

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 samples were diluted due to the nature of the sample matrix: ASW 12016 (480-110708-4), MW-22 12016 (480-110708-6) and DUP-1 12016 (480-110708-7). As such, surrogate recoveries are below the calibration range, estimated, and not representative. 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.

Organic Prep

Method(s) 3510C: The following sample formed emulsions during the extraction procedure: ASW 12016 (480-110708-4). The emulsions were broken up using the centrifuge.

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

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-17 12016
Date Collected: 12/06/16 11:57
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-1
Matrix: Water

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		5.0	1.8	ug/L			12/08/16 15:51	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/08/16 15:51	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/08/16 15:51	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/08/16 15:51	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/08/16 15:51	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/08/16 15:51	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/08/16 15:51	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			12/08/16 15:51	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			12/08/16 15:51	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			12/08/16 15:51	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/08/16 15:51	5
1,2,4-Trimethylbenzene	**200**		5.0	3.8	ug/L			12/08/16 15:51	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/08/16 15:51	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/08/16 15:51	5
1,2-Dichlorobenzene	**15**		5.0	4.0	ug/L			12/08/16 15:51	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/08/16 15:51	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/08/16 15:51	5
1,3,5-Trimethylbenzene	**85**		5.0	3.9	ug/L			12/08/16 15:51	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/08/16 15:51	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			12/08/16 15:51	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/08/16 15:51	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			12/08/16 15:51	5
2-Butanone (MEK)	**9.2**	**J ***	50	6.6	ug/L			12/08/16 15:51	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			12/08/16 15:51	5
2-Hexanone	ND		25	6.2	ug/L			12/08/16 15:51	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			12/08/16 15:51	5
4-Isopropyltoluene	**18**		5.0	1.6	ug/L			12/08/16 15:51	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/08/16 15:51	5
Acetone	ND		50	15	ug/L			12/08/16 15:51	5
Benzene	ND		5.0	2.1	ug/L			12/08/16 15:51	5
Bromobenzene	ND		5.0	4.0	ug/L			12/08/16 15:51	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/08/16 15:51	5
Bromoform	ND		5.0	1.3	ug/L			12/08/16 15:51	5
Bromomethane	ND		5.0	3.5	ug/L			12/08/16 15:51	5
Carbon disulfide	**1.6**	**J**	5.0	0.95	ug/L			12/08/16 15:51	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/08/16 15:51	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/08/16 15:51	5
Chlorobromomethane	ND		5.0	4.4	ug/L			12/08/16 15:51	5
Chloroethane	ND		5.0	1.6	ug/L			12/08/16 15:51	5
Chloroform	ND		5.0	1.7	ug/L			12/08/16 15:51	5
Chloromethane	ND		5.0	1.8	ug/L			12/08/16 15:51	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/08/16 15:51	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/08/16 15:51	5
Cyclohexane	ND		5.0	0.90	ug/L			12/08/16 15:51	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/08/16 15:51	5
Dibromomethane	ND		5.0	2.1	ug/L			12/08/16 15:51	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/08/16 15:51	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/08/16 15:51	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			12/08/16 15:51	5

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-17 12016
Date Collected: 12/06/16 11:57
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			12/08/16 15:51	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/08/16 15:51	5
m,p-Xylene	**11**		10	3.3	ug/L			12/08/16 15:51	5
Methyl acetate	ND		13	6.5	ug/L			12/08/16 15:51	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/08/16 15:51	5
Methylcyclohexane	**1.2**	**J**	5.0	0.80	ug/L			12/08/16 15:51	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/08/16 15:51	5
Naphthalene	**26**		5.0	2.2	ug/L			12/08/16 15:51	5
n-Butylbenzene	**7.5**		5.0	3.2	ug/L			12/08/16 15:51	5
N-Propylbenzene	**7.9**		5.0	3.5	ug/L			12/08/16 15:51	5
o-Xylene	**21**		5.0	3.8	ug/L			12/08/16 15:51	5
sec-Butylbenzene	**8.3**		5.0	3.8	ug/L			12/08/16 15:51	5
Styrene	ND		5.0	3.7	ug/L			12/08/16 15:51	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			12/08/16 15:51	5
Tetrachloroethene	**2.5**	**J**	5.0	1.8	ug/L			12/08/16 15:51	5
Toluene	ND		5.0	2.6	ug/L			12/08/16 15:51	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/08/16 15:51	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/08/16 15:51	5
Trichloroethene	ND		5.0	2.3	ug/L			12/08/16 15:51	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/08/16 15:51	5
Vinyl acetate	ND		25	4.3	ug/L			12/08/16 15:51	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/08/16 15:51	5
Xylenes, Total	**32**		10	3.3	ug/L			12/08/16 15:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*12/08/16 15:51*	*5*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*12/08/16 15:51*	*5*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/08/16 15:51*	*5*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/16 15:51*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		24	3.1	ug/L		12/10/16 07:12	12/11/16 18:06	5
bis (2-chloroisopropyl) ether	ND		24	2.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,4,5-Trichlorophenol	ND		24	2.3	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,4,6-Trichlorophenol	ND		24	2.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,4-Dichlorophenol	ND		24	2.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,4-Dimethylphenol	ND		24	2.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,4-Dinitrophenol	ND		47	10	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,4-Dinitrotoluene	ND		24	2.1	ug/L		12/10/16 07:12	12/11/16 18:06	5
2,6-Dinitrotoluene	ND		24	1.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
2-Chloronaphthalene	ND		24	2.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
2-Chlorophenol	ND		24	2.5	ug/L		12/10/16 07:12	12/11/16 18:06	5
2-Methylphenol	ND		24	1.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
2-Methylnaphthalene	ND		24	2.8	ug/L		12/10/16 07:12	12/11/16 18:06	5
2-Nitroaniline	ND		47	2.0	ug/L		12/10/16 07:12	12/11/16 18:06	5
2-Nitrophenol	ND		24	2.3	ug/L		12/10/16 07:12	12/11/16 18:06	5
3,3'-Dichlorobenzidine	ND		24	1.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
3-Nitroaniline	ND		47	2.3	ug/L		12/10/16 07:12	12/11/16 18:06	5
4,6-Dinitro-2-methylphenol	ND		47	10	ug/L		12/10/16 07:12	12/11/16 18:06	5

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-17 12016
Date Collected: 12/06/16 11:57
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		24	2.1	ug/L		12/10/16 07:12	12/11/16 18:06	5
4-Chloro-3-methylphenol	ND		24	2.1	ug/L		12/10/16 07:12	12/11/16 18:06	5
4-Chloroaniline	ND		24	2.8	ug/L		12/10/16 07:12	12/11/16 18:06	5
4-Chlorophenyl phenyl ether	ND		24	1.6	ug/L		12/10/16 07:12	12/11/16 18:06	5
4-Methylphenol	**9.0**	**J**	47	1.7	ug/L		12/10/16 07:12	12/11/16 18:06	5
4-Nitroaniline	ND		47	1.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
4-Nitrophenol	ND		47	7.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
Acenaphthene	ND		24	1.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
Acenaphthylene	ND		24	1.8	ug/L		12/10/16 07:12	12/11/16 18:06	5
Acetophenone	ND		24	2.5	ug/L		12/10/16 07:12	12/11/16 18:06	5
Anthracene	ND		24	1.3	ug/L		12/10/16 07:12	12/11/16 18:06	5
Atrazine	ND		24	2.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
Benzaldehyde	ND		24	1.3	ug/L		12/10/16 07:12	12/11/16 18:06	5
Benzo(a)anthracene	ND		24	1.7	ug/L		12/10/16 07:12	12/11/16 18:06	5
Benzo(a)pyrene	ND		24	2.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
Benzo(b)fluoranthene	ND		24	1.6	ug/L		12/10/16 07:12	12/11/16 18:06	5
Benzo(g,h,i)perylene	ND		24	1.6	ug/L		12/10/16 07:12	12/11/16 18:06	5
Benzo(k)fluoranthene	ND		24	3.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
Bis(2-chloroethoxy)methane	ND		24	1.6	ug/L		12/10/16 07:12	12/11/16 18:06	5
Bis(2-chloroethyl)ether	ND		24	1.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
Bis(2-ethylhexyl) phthalate	ND		24	10	ug/L		12/10/16 07:12	12/11/16 18:06	5
Butyl benzyl phthalate	ND		24	4.7	ug/L		12/10/16 07:12	12/11/16 18:06	5
Caprolactam	ND		24	10	ug/L		12/10/16 07:12	12/11/16 18:06	5
Carbazole	ND		24	1.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
Chrysene	ND		24	1.6	ug/L		12/10/16 07:12	12/11/16 18:06	5
Dibenz(a,h)anthracene	ND		24	2.0	ug/L		12/10/16 07:12	12/11/16 18:06	5
Di-n-butyl phthalate	ND		24	1.5	ug/L		12/10/16 07:12	12/11/16 18:06	5
Di-n-octyl phthalate	ND		24	2.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
Dibenzofuran	ND		47	2.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
Diethyl phthalate	ND		24	1.0	ug/L		12/10/16 07:12	12/11/16 18:06	5
Dimethyl phthalate	ND		24	1.7	ug/L		12/10/16 07:12	12/11/16 18:06	5
Fluoranthene	ND		24	1.9	ug/L		12/10/16 07:12	12/11/16 18:06	5
Fluorene	ND		24	1.7	ug/L		12/10/16 07:12	12/11/16 18:06	5
Hexachlorobenzene	ND		24	2.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
Hexachlorobutadiene	ND		24	3.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
Hexachlorocyclopentadiene	ND		24	2.8	ug/L		12/10/16 07:12	12/11/16 18:06	5
Hexachloroethane	ND		24	2.8	ug/L		12/10/16 07:12	12/11/16 18:06	5
Indeno(1,2,3-cd)pyrene	ND		24	2.2	ug/L		12/10/16 07:12	12/11/16 18:06	5
Isophorone	ND		24	2.0	ug/L		12/10/16 07:12	12/11/16 18:06	5
N-Nitrosodi-n-propylamine	ND		24	2.5	ug/L		12/10/16 07:12	12/11/16 18:06	5
N-Nitrosodiphenylamine	ND		24	2.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
Naphthalene	**14**	**J**	24	3.6	ug/L		12/10/16 07:12	12/11/16 18:06	5
Nitrobenzene	ND		24	1.4	ug/L		12/10/16 07:12	12/11/16 18:06	5
Pentachlorophenol	ND		47	10	ug/L		12/10/16 07:12	12/11/16 18:06	5
Phenanthrene	ND		24	2.1	ug/L		12/10/16 07:12	12/11/16 18:06	5
Phenol	ND		24	1.8	ug/L		12/10/16 07:12	12/11/16 18:06	5
Pyrene	ND		24	1.6	ug/L		12/10/16 07:12	12/11/16 18:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*86*		*46 - 120*	*12/10/16 07:12*	*12/11/16 18:06*	*5*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-17 12016
Date Collected: 12/06/16 11:57
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-1
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*54*		*16 - 120*	*12/10/16 07:12*	*12/11/16 18:06*	*5*
p-Terphenyl-d14	*92*		*67 - 150*	*12/10/16 07:12*	*12/11/16 18:06*	*5*
2,4,6-Tribromophenol	*117*		*52 - 132*	*12/10/16 07:12*	*12/11/16 18:06*	*5*
2-Fluorobiphenyl	*94*		*48 - 120*	*12/10/16 07:12*	*12/11/16 18:06*	*5*
2-Fluorophenol	*67*		*20 - 120*	*12/10/16 07:12*	*12/11/16 18:06*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.23	0.043	ug/L		12/08/16 07:34	12/09/16 11:24	5
4,4'-DDE	ND		0.23	0.054	ug/L		12/08/16 07:34	12/09/16 11:24	5
4,4'-DDT	ND		0.23	0.051	ug/L		12/08/16 07:34	12/09/16 11:24	5
Aldrin	**0.089**	**J**	0.23	0.037	ug/L		12/08/16 07:34	12/09/16 11:24	5
alpha-BHC	ND		0.23	0.036	ug/L		12/08/16 07:34	12/09/16 11:24	5
alpha-Chlordane	ND		0.23	0.068	ug/L		12/08/16 07:34	12/09/16 11:24	5
beta-BHC	ND		0.23	0.11	ug/L		12/08/16 07:34	12/09/16 11:24	5
delta-BHC	ND		0.23	0.046	ug/L		12/08/16 07:34	12/09/16 11:24	5
Dieldrin	ND		0.23	0.045	ug/L		12/08/16 07:34	12/09/16 11:24	5
Endosulfan I	ND		0.23	0.051	ug/L		12/08/16 07:34	12/09/16 11:24	5
Endosulfan II	ND		0.23	0.056	ug/L		12/08/16 07:34	12/09/16 11:24	5
Endosulfan sulfate	ND		0.23	0.073	ug/L		12/08/16 07:34	12/09/16 11:24	5
Endrin	ND		0.23	0.064	ug/L		12/08/16 07:34	12/09/16 11:24	5
Endrin aldehyde	ND		0.23	0.075	ug/L		12/08/16 07:34	12/09/16 11:24	5
Endrin ketone	ND		0.23	0.056	ug/L		12/08/16 07:34	12/09/16 11:24	5
gamma-BHC (Lindane)	ND		0.23	0.037	ug/L		12/08/16 07:34	12/09/16 11:24	5
gamma-Chlordane	ND		0.23	0.051	ug/L		12/08/16 07:34	12/09/16 11:24	5
Heptachlor	ND		0.23	0.039	ug/L		12/08/16 07:34	12/09/16 11:24	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		12/08/16 07:34	12/09/16 11:24	5
Methoxychlor	ND		0.23	0.065	ug/L		12/08/16 07:34	12/09/16 11:24	5
Toxaphene	ND		2.3	0.56	ug/L		12/08/16 07:34	12/09/16 11:24	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*96*		*20 - 120*	*12/08/16 07:34*	*12/09/16 11:24*	*5*
Tetrachloro-m-xylene	*104*		*44 - 120*	*12/08/16 07:34*	*12/09/16 11:24*	*5*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-18 12016
Date Collected: 12/07/16 10:30
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-2
Matrix: Water

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			12/10/16 05:44	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/16 05:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/16 05:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/10/16 05:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/16 05:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/16 05:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/16 05:44	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			12/10/16 05:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/10/16 05:44	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			12/10/16 05:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/10/16 05:44	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/10/16 05:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/10/16 05:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/10/16 05:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/10/16 05:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/16 05:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/16 05:44	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/10/16 05:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/10/16 05:44	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			12/10/16 05:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/10/16 05:44	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			12/10/16 05:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/16 05:44	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			12/10/16 05:44	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/16 05:44	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			12/10/16 05:44	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/10/16 05:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/16 05:44	1
Acetone	ND		10	3.0	ug/L			12/10/16 05:44	1
Benzene	ND		1.0	0.41	ug/L			12/10/16 05:44	1
Bromobenzene	ND		1.0	0.80	ug/L			12/10/16 05:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/16 05:44	1
Bromoform	ND		1.0	0.26	ug/L			12/10/16 05:44	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/16 05:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/16 05:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/16 05:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/16 05:44	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/10/16 05:44	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/16 05:44	1
Chloroform	ND		1.0	0.34	ug/L			12/10/16 05:44	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/16 05:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/16 05:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/16 05:44	1
Cyclohexane	ND		1.0	0.18	ug/L			12/10/16 05:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/16 05:44	1
Dibromomethane	ND		1.0	0.41	ug/L			12/10/16 05:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/10/16 05:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/16 05:44	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/10/16 05:44	1

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-18 12016
Date Collected: 12/07/16 10:30
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			12/10/16 05:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/10/16 05:44	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/10/16 05:44	1
Methyl acetate	ND		2.5	1.3	ug/L			12/10/16 05:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/10/16 05:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/10/16 05:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/16 05:44	1
Naphthalene	ND		1.0	0.43	ug/L			12/10/16 05:44	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/10/16 05:44	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/10/16 05:44	1
o-Xylene	ND		1.0	0.76	ug/L			12/10/16 05:44	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/10/16 05:44	1
Styrene	ND		1.0	0.73	ug/L			12/10/16 05:44	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/10/16 05:44	1
Tetrachloroethene	**6.9**		1.0	0.36	ug/L			12/10/16 05:44	1
Toluene	ND		1.0	0.51	ug/L			12/10/16 05:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/16 05:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/16 05:44	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/16 05:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/10/16 05:44	1
Vinyl acetate	ND		5.0	0.85	ug/L			12/10/16 05:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/16 05:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/16 05:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*12/10/16 05:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*12/10/16 05:44*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/10/16 05:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/10/16 05:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		25	3.2	ug/L		12/10/16 07:12	12/11/16 18:34	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,4,6-Trichlorophenol	ND		25	3.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,4-Dichlorophenol	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,4-Dinitrophenol	ND		49	11	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 18:34	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
2-Chloronaphthalene	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 18:34	5
2-Chlorophenol	ND		25	2.6	ug/L		12/10/16 07:12	12/11/16 18:34	5
2-Methylphenol	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
2-Methylnaphthalene	ND		25	3.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
2-Nitroaniline	ND		49	2.1	ug/L		12/10/16 07:12	12/11/16 18:34	5
2-Nitrophenol	ND		25	2.4	ug/L		12/10/16 07:12	12/11/16 18:34	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
3-Nitroaniline	ND		49	2.4	ug/L		12/10/16 07:12	12/11/16 18:34	5
4,6-Dinitro-2-methylphenol	ND		49	11	ug/L		12/10/16 07:12	12/11/16 18:34	5

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-18 12016
Date Collected: 12/07/16 10:30
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 18:34	5
4-Chloro-3-methylphenol	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 18:34	5
4-Chloroaniline	ND		25	2.9	ug/L		12/10/16 07:12	12/11/16 18:34	5
4-Chlorophenyl phenyl ether	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 18:34	5
4-Methylphenol	ND		49	1.8	ug/L		12/10/16 07:12	12/11/16 18:34	5
4-Nitroaniline	ND		49	1.2	ug/L		12/10/16 07:12	12/11/16 18:34	5
4-Nitrophenol	ND		49	7.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
Acenaphthene	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
Acenaphthylene	ND		25	1.9	ug/L		12/10/16 07:12	12/11/16 18:34	5
Acetophenone	ND		25	2.7	ug/L		12/10/16 07:12	12/11/16 18:34	5
Anthracene	ND		25	1.4	ug/L		12/10/16 07:12	12/11/16 18:34	5
Atrazine	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 18:34	5
Benzaldehyde	ND		25	1.3	ug/L		12/10/16 07:12	12/11/16 18:34	5
Benzo(a)anthracene	ND		25	1.8	ug/L		12/10/16 07:12	12/11/16 18:34	5
Benzo(a)pyrene	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 18:34	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 18:34	5
Benzo(g,h,i)perylene	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 18:34	5
Benzo(k)fluoranthene	ND		25	3.6	ug/L		12/10/16 07:12	12/11/16 18:34	5
Bis(2-chloroethoxy)methane	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 18:34	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		12/10/16 07:12	12/11/16 18:34	5
Butyl benzyl phthalate	ND		25	4.9	ug/L		12/10/16 07:12	12/11/16 18:34	5
Caprolactam	ND		25	11	ug/L		12/10/16 07:12	12/11/16 18:34	5
Carbazole	ND		25	1.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
Chrysene	ND		25	1.6	ug/L		12/10/16 07:12	12/11/16 18:34	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		12/10/16 07:12	12/11/16 18:34	5
Di-n-butyl phthalate	ND		25	1.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
Di-n-octyl phthalate	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 18:34	5
Dibenzofuran	ND		49	2.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
Diethyl phthalate	ND		25	1.1	ug/L		12/10/16 07:12	12/11/16 18:34	5
Dimethyl phthalate	ND		25	1.8	ug/L		12/10/16 07:12	12/11/16 18:34	5
Fluoranthene	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 18:34	5
Fluorene	ND		25	1.8	ug/L		12/10/16 07:12	12/11/16 18:34	5
Hexachlorobenzene	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
Hexachlorobutadiene	ND		25	3.4	ug/L		12/10/16 07:12	12/11/16 18:34	5
Hexachlorocyclopentadiene	ND		25	2.9	ug/L		12/10/16 07:12	12/11/16 18:34	5
Hexachloroethane	ND		25	2.9	ug/L		12/10/16 07:12	12/11/16 18:34	5
Indeno(1,2,3-cd)pyrene	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 18:34	5
Isophorone	ND		25	2.1	ug/L		12/10/16 07:12	12/11/16 18:34	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		12/10/16 07:12	12/11/16 18:34	5
N-Nitrosodiphenylamine	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 18:34	5
Naphthalene	ND		25	3.8	ug/L		12/10/16 07:12	12/11/16 18:34	5
Nitrobenzene	ND		25	1.4	ug/L		12/10/16 07:12	12/11/16 18:34	5
Pentachlorophenol	ND		49	11	ug/L		12/10/16 07:12	12/11/16 18:34	5
Phenanthrene	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 18:34	5
Phenol	ND		25	1.9	ug/L		12/10/16 07:12	12/11/16 18:34	5
Pyrene	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 18:34	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*46 - 120*	*12/10/16 07:12*	*12/11/16 18:34*	*5*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-18 12016
Date Collected: 12/07/16 10:30
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-2
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*50*		*16 - 120*	*12/10/16 07:12*	*12/11/16 18:34*	*5*
p-Terphenyl-d14	*96*		*67 - 150*	*12/10/16 07:12*	*12/11/16 18:34*	*5*
2,4,6-Tribromophenol	*95*		*52 - 132*	*12/10/16 07:12*	*12/11/16 18:34*	*5*
2-Fluorobiphenyl	*80*		*48 - 120*	*12/10/16 07:12*	*12/11/16 18:34*	*5*
2-Fluorophenol	*65*		*20 - 120*	*12/10/16 07:12*	*12/11/16 18:34*	*5*

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		12/08/16 07:34	12/09/16 11:44	1
4,4'-DDE	ND		0.050	0.012	ug/L		12/08/16 07:34	12/09/16 11:44	1
4,4'-DDT	ND		0.050	0.011	ug/L		12/08/16 07:34	12/09/16 11:44	1
Aldrin	ND		0.050	0.0081	ug/L		12/08/16 07:34	12/09/16 11:44	1
alpha-BHC	ND		0.050	0.0077	ug/L		12/08/16 07:34	12/09/16 11:44	1
alpha-Chlordane	ND		0.050	0.015	ug/L		12/08/16 07:34	12/09/16 11:44	1
beta-BHC	ND		0.050	0.025	ug/L		12/08/16 07:34	12/09/16 11:44	1
delta-BHC	ND		0.050	0.010	ug/L		12/08/16 07:34	12/09/16 11:44	1
Dieldrin	ND		0.050	0.0098	ug/L		12/08/16 07:34	12/09/16 11:44	1
Endosulfan I	ND		0.050	0.011	ug/L		12/08/16 07:34	12/09/16 11:44	1
Endosulfan II	ND		0.050	0.012	ug/L		12/08/16 07:34	12/09/16 11:44	1
Endosulfan sulfate	ND		0.050	0.016	ug/L		12/08/16 07:34	12/09/16 11:44	1
Endrin	ND		0.050	0.014	ug/L		12/08/16 07:34	12/09/16 11:44	1
Endrin aldehyde	ND		0.050	0.016	ug/L		12/08/16 07:34	12/09/16 11:44	1
Endrin ketone	ND		0.050	0.012	ug/L		12/08/16 07:34	12/09/16 11:44	1
gamma-BHC (Lindane)	ND		0.050	0.0080	ug/L		12/08/16 07:34	12/09/16 11:44	1
gamma-Chlordane	**0.013**	**J**	0.050	0.011	ug/L		12/08/16 07:34	12/09/16 11:44	1
Heptachlor	ND		0.050	0.0085	ug/L		12/08/16 07:34	12/09/16 11:44	1
Heptachlor epoxide	ND		0.050	0.0074	ug/L		12/08/16 07:34	12/09/16 11:44	1
Methoxychlor	ND		0.050	0.014	ug/L		12/08/16 07:34	12/09/16 11:44	1
Toxaphene	ND		0.50	0.12	ug/L		12/08/16 07:34	12/09/16 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*20 - 120*	*12/08/16 07:34*	*12/09/16 11:44*	*1*
Tetrachloro-m-xylene	*96*		*44 - 120*	*12/08/16 07:34*	*12/09/16 11:44*	*1*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-21 12016
Date Collected: 12/06/16 12:44
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-3
Matrix: Water

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			12/08/16 23:57	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/08/16 23:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/08/16 23:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/08/16 23:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/08/16 23:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/08/16 23:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/08/16 23:57	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			12/08/16 23:57	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/16 23:57	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			12/08/16 23:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/08/16 23:57	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/08/16 23:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/08/16 23:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/08/16 23:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/08/16 23:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/08/16 23:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/08/16 23:57	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/08/16 23:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/08/16 23:57	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			12/08/16 23:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/08/16 23:57	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			12/08/16 23:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/08/16 23:57	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			12/08/16 23:57	1
2-Hexanone	ND		5.0	1.2	ug/L			12/08/16 23:57	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			12/08/16 23:57	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/08/16 23:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/08/16 23:57	1
Acetone	ND		10	3.0	ug/L			12/08/16 23:57	1
Benzene	ND		1.0	0.41	ug/L			12/08/16 23:57	1
Bromobenzene	ND		1.0	0.80	ug/L			12/08/16 23:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/08/16 23:57	1
Bromoform	ND		1.0	0.26	ug/L			12/08/16 23:57	1
Bromomethane	ND		1.0	0.69	ug/L			12/08/16 23:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/08/16 23:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/08/16 23:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/08/16 23:57	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/08/16 23:57	1
Chloroethane	ND		1.0	0.32	ug/L			12/08/16 23:57	1
Chloroform	ND		1.0	0.34	ug/L			12/08/16 23:57	1
Chloromethane	ND		1.0	0.35	ug/L			12/08/16 23:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/08/16 23:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/08/16 23:57	1
Cyclohexane	ND		1.0	0.18	ug/L			12/08/16 23:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/08/16 23:57	1
Dibromomethane	ND		1.0	0.41	ug/L			12/08/16 23:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/08/16 23:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/08/16 23:57	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/08/16 23:57	1

Client Sample ID: MW-21 12016
Date Collected: 12/06/16 12:44
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			12/08/16 23:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/08/16 23:57	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/08/16 23:57	1
Methyl acetate	ND		2.5	1.3	ug/L			12/08/16 23:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/08/16 23:57	1
Methylcyclohexane	**0.22**	**J**	1.0	0.16	ug/L			12/08/16 23:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/08/16 23:57	1
Naphthalene	ND		1.0	0.43	ug/L			12/08/16 23:57	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/08/16 23:57	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/08/16 23:57	1
o-Xylene	ND		1.0	0.76	ug/L			12/08/16 23:57	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/08/16 23:57	1
Styrene	ND		1.0	0.73	ug/L			12/08/16 23:57	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/08/16 23:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/08/16 23:57	1
Toluene	ND		1.0	0.51	ug/L			12/08/16 23:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/08/16 23:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/08/16 23:57	1
Trichloroethene	ND		1.0	0.46	ug/L			12/08/16 23:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/08/16 23:57	1
Vinyl acetate	ND		5.0	0.85	ug/L			12/08/16 23:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/08/16 23:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/08/16 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/08/16 23:57*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*12/08/16 23:57*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/08/16 23:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/16 23:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.63	ug/L		12/10/16 07:12	12/11/16 19:02	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/10/16 07:12	12/11/16 19:02	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/10/16 07:12	12/11/16 19:02	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/10/16 07:12	12/11/16 19:02	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/10/16 07:12	12/11/16 19:02	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/10/16 07:12	12/11/16 19:02	1
2-Methylnaphthalene	**0.83**	**J**	4.8	0.58	ug/L		12/10/16 07:12	12/11/16 19:02	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/10/16 07:12	12/11/16 19:02	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/10/16 07:12	12/11/16 19:02	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/10/16 07:12	12/11/16 19:02	1
3-Nitroaniline	ND		9.6	0.46	ug/L		12/10/16 07:12	12/11/16 19:02	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/10/16 07:12	12/11/16 19:02	1

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-21 12016
Date Collected: 12/06/16 12:44
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/10/16 07:12	12/11/16 19:02	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/10/16 07:12	12/11/16 19:02	1
4-Chloroaniline	ND		4.8	0.57	ug/L		12/10/16 07:12	12/11/16 19:02	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		12/10/16 07:12	12/11/16 19:02	1
4-Methylphenol	ND		9.6	0.35	ug/L		12/10/16 07:12	12/11/16 19:02	1
4-Nitroaniline	ND		9.6	0.24	ug/L		12/10/16 07:12	12/11/16 19:02	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/10/16 07:12	12/11/16 19:02	1
Acenaphthene	**0.87**	**J**	4.8	0.39	ug/L		12/10/16 07:12	12/11/16 19:02	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/10/16 07:12	12/11/16 19:02	1
Acetophenone	ND		4.8	0.52	ug/L		12/10/16 07:12	12/11/16 19:02	1
Anthracene	ND		4.8	0.27	ug/L		12/10/16 07:12	12/11/16 19:02	1
Atrazine	ND		4.8	0.44	ug/L		12/10/16 07:12	12/11/16 19:02	1
Benzaldehyde	ND		4.8	0.26	ug/L		12/10/16 07:12	12/11/16 19:02	1
Benzo(a)anthracene	ND		4.8	0.35	ug/L		12/10/16 07:12	12/11/16 19:02	1
Benzo(a)pyrene	ND		4.8	0.45	ug/L		12/10/16 07:12	12/11/16 19:02	1
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L		12/10/16 07:12	12/11/16 19:02	1
Benzo(g,h,i)perylene	ND		4.8	0.34	ug/L		12/10/16 07:12	12/11/16 19:02	1
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L		12/10/16 07:12	12/11/16 19:02	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		12/10/16 07:12	12/11/16 19:02	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/10/16 07:12	12/11/16 19:02	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		12/10/16 07:12	12/11/16 19:02	1
Butyl benzyl phthalate	ND		4.8	0.96	ug/L		12/10/16 07:12	12/11/16 19:02	1
Caprolactam	ND		4.8	2.1	ug/L		12/10/16 07:12	12/11/16 19:02	1
Carbazole	ND		4.8	0.29	ug/L		12/10/16 07:12	12/11/16 19:02	1
Chrysene	ND		4.8	0.32	ug/L		12/10/16 07:12	12/11/16 19:02	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/10/16 07:12	12/11/16 19:02	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		12/10/16 07:12	12/11/16 19:02	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/10/16 07:12	12/11/16 19:02	1
Dibenzofuran	**0.58**	**J**	9.6	0.49	ug/L		12/10/16 07:12	12/11/16 19:02	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/10/16 07:12	12/11/16 19:02	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		12/10/16 07:12	12/11/16 19:02	1
Fluoranthene	**0.46**	**J**	4.8	0.38	ug/L		12/10/16 07:12	12/11/16 19:02	1
Fluorene	**0.50**	**J**	4.8	0.35	ug/L		12/10/16 07:12	12/11/16 19:02	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/10/16 07:12	12/11/16 19:02	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/10/16 07:12	12/11/16 19:02	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		12/10/16 07:12	12/11/16 19:02	1
Hexachloroethane	ND		4.8	0.57	ug/L		12/10/16 07:12	12/11/16 19:02	1
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L		12/10/16 07:12	12/11/16 19:02	1
Isophorone	ND		4.8	0.41	ug/L		12/10/16 07:12	12/11/16 19:02	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/10/16 07:12	12/11/16 19:02	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/10/16 07:12	12/11/16 19:02	1
Naphthalene	**0.75**	**J**	4.8	0.73	ug/L		12/10/16 07:12	12/11/16 19:02	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/10/16 07:12	12/11/16 19:02	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/10/16 07:12	12/11/16 19:02	1
Phenanthrene	**0.97**	**J**	4.8	0.42	ug/L		12/10/16 07:12	12/11/16 19:02	1
Phenol	ND		4.8	0.37	ug/L		12/10/16 07:12	12/11/16 19:02	1
Pyrene	ND		4.8	0.33	ug/L		12/10/16 07:12	12/11/16 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*72*		*46 - 120*	*12/10/16 07:12*	*12/11/16 19:02*	*1*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-21 12016
Date Collected: 12/06/16 12:44
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-3
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*46*		*16 - 120*	*12/10/16 07:12*	*12/11/16 19:02*	*1*
p-Terphenyl-d14	*91*		*67 - 150*	*12/10/16 07:12*	*12/11/16 19:02*	*1*
2,4,6-Tribromophenol	*82*		*52 - 132*	*12/10/16 07:12*	*12/11/16 19:02*	*1*
2-Fluorobiphenyl	*74*		*48 - 120*	*12/10/16 07:12*	*12/11/16 19:02*	*1*
2-Fluorophenol	*60*		*20 - 120*	*12/10/16 07:12*	*12/11/16 19:02*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048	0.0089	ug/L		12/08/16 07:34	12/09/16 12:03	1
4,4'-DDE	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:03	1
4,4'-DDT	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:03	1
Aldrin	ND		0.048	0.0078	ug/L		12/08/16 07:34	12/09/16 12:03	1
alpha-BHC	ND		0.048	0.0075	ug/L		12/08/16 07:34	12/09/16 12:03	1
alpha-Chlordane	ND		0.048	0.014	ug/L		12/08/16 07:34	12/09/16 12:03	1
beta-BHC	ND		0.048	0.024	ug/L		12/08/16 07:34	12/09/16 12:03	1
delta-BHC	ND		0.048	0.0097	ug/L		12/08/16 07:34	12/09/16 12:03	1
Dieldrin	ND		0.048	0.0095	ug/L		12/08/16 07:34	12/09/16 12:03	1
Endosulfan I	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:03	1
Endosulfan II	ND		0.048	0.012	ug/L		12/08/16 07:34	12/09/16 12:03	1
Endosulfan sulfate	ND		0.048	0.015	ug/L		12/08/16 07:34	12/09/16 12:03	1
Endrin	ND		0.048	0.013	ug/L		12/08/16 07:34	12/09/16 12:03	1
Endrin aldehyde	ND		0.048	0.016	ug/L		12/08/16 07:34	12/09/16 12:03	1
Endrin ketone	ND		0.048	0.012	ug/L		12/08/16 07:34	12/09/16 12:03	1
gamma-BHC (Lindane)	ND		0.048	0.0077	ug/L		12/08/16 07:34	12/09/16 12:03	1
gamma-Chlordane	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:03	1
Heptachlor	ND		0.048	0.0082	ug/L		12/08/16 07:34	12/09/16 12:03	1
Heptachlor epoxide	ND		0.048	0.0072	ug/L		12/08/16 07:34	12/09/16 12:03	1
Methoxychlor	ND		0.048	0.014	ug/L		12/08/16 07:34	12/09/16 12:03	1
Toxaphene	ND		0.48	0.12	ug/L		12/08/16 07:34	12/09/16 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*20 - 120*	*12/08/16 07:34*	*12/09/16 12:03*	*1*
Tetrachloro-m-xylene	*82*		*44 - 120*	*12/08/16 07:34*	*12/09/16 12:03*	*1*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: ASW 12016
Date Collected: 12/06/16 14:23
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-4
Matrix: Water

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			12/08/16 16:45	20
1,1,1-Trichloroethane	ND		20	16	ug/L			12/08/16 16:45	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/08/16 16:45	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/08/16 16:45	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/08/16 16:45	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/08/16 16:45	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/08/16 16:45	20
1,1-Dichloropropene	ND		20	14	ug/L			12/08/16 16:45	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			12/08/16 16:45	20
1,2,3-Trichloropropane	ND		20	18	ug/L			12/08/16 16:45	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/08/16 16:45	20
1,2,4-Trimethylbenzene	**940**		20	15	ug/L			12/08/16 16:45	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/08/16 16:45	20
1,2-Dibromoethane	ND		20	15	ug/L			12/08/16 16:45	20
1,2-Dichlorobenzene	**32**		20	16	ug/L			12/08/16 16:45	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/08/16 16:45	20
1,2-Dichloropropane	ND		20	14	ug/L			12/08/16 16:45	20
1,3,5-Trimethylbenzene	**330**		20	15	ug/L			12/08/16 16:45	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/08/16 16:45	20
1,3-Dichloropropane	ND		20	15	ug/L			12/08/16 16:45	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/08/16 16:45	20
2,2-Dichloropropane	ND		20	8.0	ug/L			12/08/16 16:45	20
2-Butanone (MEK)	ND	*	200	26	ug/L			12/08/16 16:45	20
2-Chlorotoluene	ND		20	17	ug/L			12/08/16 16:45	20
2-Hexanone	ND		100	25	ug/L			12/08/16 16:45	20
4-Chlorotoluene	ND		20	17	ug/L			12/08/16 16:45	20
4-Isopropyltoluene	**43**		20	6.2	ug/L			12/08/16 16:45	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/08/16 16:45	20
Acetone	**130**	**J**	200	60	ug/L			12/08/16 16:45	20
Benzene	ND		20	8.2	ug/L			12/08/16 16:45	20
Bromobenzene	ND		20	16	ug/L			12/08/16 16:45	20
Bromodichloromethane	ND		20	7.8	ug/L			12/08/16 16:45	20
Bromoform	ND		20	5.2	ug/L			12/08/16 16:45	20
Bromomethane	ND		20	14	ug/L			12/08/16 16:45	20
Carbon disulfide	**4.5**	**J**	20	3.8	ug/L			12/08/16 16:45	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/08/16 16:45	20
Chlorobenzene	ND		20	15	ug/L			12/08/16 16:45	20
Chlorobromomethane	ND		20	17	ug/L			12/08/16 16:45	20
Chloroethane	**8.0**	**J**	20	6.4	ug/L			12/08/16 16:45	20
Chloroform	ND		20	6.8	ug/L			12/08/16 16:45	20
Chloromethane	ND		20	7.0	ug/L			12/08/16 16:45	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/08/16 16:45	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/08/16 16:45	20
Cyclohexane	ND		20	3.6	ug/L			12/08/16 16:45	20
Dibromochloromethane	ND		20	6.4	ug/L			12/08/16 16:45	20
Dibromomethane	ND		20	8.2	ug/L			12/08/16 16:45	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/08/16 16:45	20
Ethylbenzene	**140**		20	15	ug/L			12/08/16 16:45	20
Hexachlorobutadiene	ND		20	5.6	ug/L			12/08/16 16:45	20

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: ASW 12016
Date Collected: 12/06/16 14:23
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		20	6.0	ug/L			12/08/16 16:45	20
Isopropylbenzene	**42**		20	16	ug/L			12/08/16 16:45	20
m,p-Xylene	**750**		40	13	ug/L			12/08/16 16:45	20
Methyl acetate	ND		50	26	ug/L			12/08/16 16:45	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/08/16 16:45	20
Methylcyclohexane	**21**		20	3.2	ug/L			12/08/16 16:45	20
Methylene Chloride	ND		20	8.8	ug/L			12/08/16 16:45	20
Naphthalene	**110**		20	8.6	ug/L			12/08/16 16:45	20
n-Butylbenzene	**62**		20	13	ug/L			12/08/16 16:45	20
N-Propylbenzene	**81**		20	14	ug/L			12/08/16 16:45	20
o-Xylene	**460**		20	15	ug/L			12/08/16 16:45	20
sec-Butylbenzene	**34**		20	15	ug/L			12/08/16 16:45	20
Styrene	ND		20	15	ug/L			12/08/16 16:45	20
tert-Butylbenzene	ND		20	16	ug/L			12/08/16 16:45	20
Tetrachloroethene	**26**		20	7.2	ug/L			12/08/16 16:45	20
Toluene	ND		20	10	ug/L			12/08/16 16:45	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/08/16 16:45	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/08/16 16:45	20
Trichloroethene	ND		20	9.2	ug/L			12/08/16 16:45	20
Trichlorofluoromethane	ND		20	18	ug/L			12/08/16 16:45	20
Vinyl acetate	ND		100	17	ug/L			12/08/16 16:45	20
Vinyl chloride	ND		20	18	ug/L			12/08/16 16:45	20
Xylenes, Total	**1200**		40	13	ug/L			12/08/16 16:45	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*12/08/16 16:45*	*20*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/08/16 16:45*	*20*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/08/16 16:45*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/08/16 16:45*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		250	33	ug/L		12/10/16 07:12	12/11/16 19:30	50
bis (2-chloroisopropyl) ether	ND		250	26	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,4,5-Trichlorophenol	ND		250	24	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,4,6-Trichlorophenol	ND		250	31	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,4-Dichlorophenol	ND		250	26	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,4-Dimethylphenol	ND		250	25	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,4-Dinitrophenol	ND		500	110	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,4-Dinitrotoluene	ND		250	23	ug/L		12/10/16 07:12	12/11/16 19:30	50
2,6-Dinitrotoluene	ND		250	20	ug/L		12/10/16 07:12	12/11/16 19:30	50
2-Chloronaphthalene	ND		250	23	ug/L		12/10/16 07:12	12/11/16 19:30	50
2-Chlorophenol	ND		250	27	ug/L		12/10/16 07:12	12/11/16 19:30	50
2-Methylphenol	ND		250	20	ug/L		12/10/16 07:12	12/11/16 19:30	50
2-Methylnaphthalene	ND		250	30	ug/L		12/10/16 07:12	12/11/16 19:30	50
2-Nitroaniline	ND		500	21	ug/L		12/10/16 07:12	12/11/16 19:30	50
2-Nitrophenol	ND		250	24	ug/L		12/10/16 07:12	12/11/16 19:30	50
3,3'-Dichlorobenzidine	ND		250	20	ug/L		12/10/16 07:12	12/11/16 19:30	50
3-Nitroaniline	ND		500	24	ug/L		12/10/16 07:12	12/11/16 19:30	50
4,6-Dinitro-2-methylphenol	ND		500	110	ug/L		12/10/16 07:12	12/11/16 19:30	50

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: ASW 12016
Date Collected: 12/06/16 14:23
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		250	23	ug/L		12/10/16 07:12	12/11/16 19:30	50
4-Chloro-3-methylphenol	ND		250	23	ug/L		12/10/16 07:12	12/11/16 19:30	50
4-Chloroaniline	ND		250	30	ug/L		12/10/16 07:12	12/11/16 19:30	50
4-Chlorophenyl phenyl ether	ND		250	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
4-Methylphenol	ND		500	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
4-Nitroaniline	ND		500	13	ug/L		12/10/16 07:12	12/11/16 19:30	50
4-Nitrophenol	ND		500	77	ug/L		12/10/16 07:12	12/11/16 19:30	50
Acenaphthene	ND		250	21	ug/L		12/10/16 07:12	12/11/16 19:30	50
Acenaphthylene	ND		250	19	ug/L		12/10/16 07:12	12/11/16 19:30	50
Acetophenone	ND		250	27	ug/L		12/10/16 07:12	12/11/16 19:30	50
Anthracene	ND		250	14	ug/L		12/10/16 07:12	12/11/16 19:30	50
Atrazine	ND		250	23	ug/L		12/10/16 07:12	12/11/16 19:30	50
Benzaldehyde	ND		250	13	ug/L		12/10/16 07:12	12/11/16 19:30	50
Benzo(a)anthracene	ND		250	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
Benzo(a)pyrene	ND		250	24	ug/L		12/10/16 07:12	12/11/16 19:30	50
Benzo(b)fluoranthene	ND		250	17	ug/L		12/10/16 07:12	12/11/16 19:30	50
Benzo(g,h,i)perylene	ND		250	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
Benzo(k)fluoranthene	ND		250	37	ug/L		12/10/16 07:12	12/11/16 19:30	50
Bis(2-chloroethoxy)methane	ND		250	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
Bis(2-chloroethyl)ether	ND		250	20	ug/L		12/10/16 07:12	12/11/16 19:30	50
Bis(2-ethylhexyl) phthalate	ND		250	110	ug/L		12/10/16 07:12	12/11/16 19:30	50
Butyl benzyl phthalate	ND		250	50	ug/L		12/10/16 07:12	12/11/16 19:30	50
Caprolactam	ND		250	110	ug/L		12/10/16 07:12	12/11/16 19:30	50
Carbazole	ND		250	15	ug/L		12/10/16 07:12	12/11/16 19:30	50
Chrysene	ND		250	17	ug/L		12/10/16 07:12	12/11/16 19:30	50
Dibenz(a,h)anthracene	ND		250	21	ug/L		12/10/16 07:12	12/11/16 19:30	50
Di-n-butyl phthalate	ND		250	16	ug/L		12/10/16 07:12	12/11/16 19:30	50
Di-n-octyl phthalate	ND		250	24	ug/L		12/10/16 07:12	12/11/16 19:30	50
Dibenzofuran	ND		500	26	ug/L		12/10/16 07:12	12/11/16 19:30	50
Diethyl phthalate	ND		250	11	ug/L		12/10/16 07:12	12/11/16 19:30	50
Dimethyl phthalate	ND		250	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
Fluoranthene	ND		250	20	ug/L		12/10/16 07:12	12/11/16 19:30	50
Fluorene	ND		250	18	ug/L		12/10/16 07:12	12/11/16 19:30	50
Hexachlorobenzene	ND		250	26	ug/L		12/10/16 07:12	12/11/16 19:30	50
Hexachlorobutadiene	ND		250	34	ug/L		12/10/16 07:12	12/11/16 19:30	50
Hexachlorocyclopentadiene	ND		250	30	ug/L		12/10/16 07:12	12/11/16 19:30	50
Hexachloroethane	ND		250	30	ug/L		12/10/16 07:12	12/11/16 19:30	50
Indeno(1,2,3-cd)pyrene	ND		250	24	ug/L		12/10/16 07:12	12/11/16 19:30	50
Isophorone	ND		250	22	ug/L		12/10/16 07:12	12/11/16 19:30	50
N-Nitrosodi-n-propylamine	ND		250	27	ug/L		12/10/16 07:12	12/11/16 19:30	50
N-Nitrosodiphenylamine	ND		250	26	ug/L		12/10/16 07:12	12/11/16 19:30	50
Naphthalene	**60**	**J**	250	38	ug/L		12/10/16 07:12	12/11/16 19:30	50
Nitrobenzene	ND		250	15	ug/L		12/10/16 07:12	12/11/16 19:30	50
Pentachlorophenol	ND		500	110	ug/L		12/10/16 07:12	12/11/16 19:30	50
Phenanthrene	ND		250	22	ug/L		12/10/16 07:12	12/11/16 19:30	50
Phenol	ND		250	20	ug/L		12/10/16 07:12	12/11/16 19:30	50
Pyrene	ND		250	17	ug/L		12/10/16 07:12	12/11/16 19:30	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*63*		*46 - 120*	*12/10/16 07:12*	*12/11/16 19:30*	*50*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: ASW 12016
Date Collected: 12/06/16 14:23
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-4
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*41*		*16 - 120*	*12/10/16 07:12*	*12/11/16 19:30*	*50*
p-Terphenyl-d14	*82*		*67 - 150*	*12/10/16 07:12*	*12/11/16 19:30*	*50*
2,4,6-Tribromophenol	*157*	*X*	*52 - 132*	*12/10/16 07:12*	*12/11/16 19:30*	*50*
2-Fluorobiphenyl	*70*		*48 - 120*	*12/10/16 07:12*	*12/11/16 19:30*	*50*
2-Fluorophenol	*0*	*X*	*20 - 120*	*12/10/16 07:12*	*12/11/16 19:30*	*50*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.49	0.090	ug/L		12/08/16 07:34	12/09/16 12:23	10
4,4'-DDE	ND		0.49	0.11	ug/L		12/08/16 07:34	12/09/16 12:23	10
4,4'-DDT	ND		0.49	0.11	ug/L		12/08/16 07:34	12/09/16 12:23	10
Aldrin	ND		0.49	0.079	ug/L		12/08/16 07:34	12/09/16 12:23	10
alpha-BHC	**0.17**	**J B**	0.49	0.075	ug/L		12/08/16 07:34	12/09/16 12:23	10
alpha-Chlordane	ND		0.49	0.14	ug/L		12/08/16 07:34	12/09/16 12:23	10
beta-BHC	ND		0.49	0.24	ug/L		12/08/16 07:34	12/09/16 12:23	10
delta-BHC	ND		0.49	0.098	ug/L		12/08/16 07:34	12/09/16 12:23	10
Dieldrin	ND		0.49	0.096	ug/L		12/08/16 07:34	12/09/16 12:23	10
Endosulfan I	ND		0.49	0.11	ug/L		12/08/16 07:34	12/09/16 12:23	10
Endosulfan II	ND		0.49	0.12	ug/L		12/08/16 07:34	12/09/16 12:23	10
Endosulfan sulfate	ND		0.49	0.15	ug/L		12/08/16 07:34	12/09/16 12:23	10
Endrin	ND		0.49	0.13	ug/L		12/08/16 07:34	12/09/16 12:23	10
Endrin aldehyde	ND		0.49	0.16	ug/L		12/08/16 07:34	12/09/16 12:23	10
Endrin ketone	ND		0.49	0.12	ug/L		12/08/16 07:34	12/09/16 12:23	10
gamma-BHC (Lindane)	ND		0.49	0.078	ug/L		12/08/16 07:34	12/09/16 12:23	10
gamma-Chlordane	ND		0.49	0.11	ug/L		12/08/16 07:34	12/09/16 12:23	10
Heptachlor	ND		0.49	0.083	ug/L		12/08/16 07:34	12/09/16 12:23	10
Heptachlor epoxide	ND		0.49	0.072	ug/L		12/08/16 07:34	12/09/16 12:23	10
Methoxychlor	ND		0.49	0.14	ug/L		12/08/16 07:34	12/09/16 12:23	10
Toxaphene	ND		4.9	1.2	ug/L		12/08/16 07:34	12/09/16 12:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*157*	*X*	*20 - 120*	*12/08/16 07:34*	*12/09/16 12:23*	*10*
Tetrachloro-m-xylene	*285*	*X*	*44 - 120*	*12/08/16 07:34*	*12/09/16 12:23*	*10*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-23 12016
Date Collected: 12/06/16 13:55
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-5
Matrix: Water

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			12/09/16 00:24	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/09/16 00:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/16 00:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/16 00:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/16 00:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/16 00:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/16 00:24	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			12/09/16 00:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/16 00:24	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			12/09/16 00:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/16 00:24	1
1,2,4-Trimethylbenzene	**45**		1.0	0.75	ug/L			12/09/16 00:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/16 00:24	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/16 00:24	1
1,2-Dichlorobenzene	**2.3**		1.0	0.79	ug/L			12/09/16 00:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/16 00:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/16 00:24	1
1,3,5-Trimethylbenzene	**15**		1.0	0.77	ug/L			12/09/16 00:24	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/16 00:24	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			12/09/16 00:24	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/16 00:24	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			12/09/16 00:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/16 00:24	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			12/09/16 00:24	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/16 00:24	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			12/09/16 00:24	1
4-Isopropyltoluene	**3.4**		1.0	0.31	ug/L			12/09/16 00:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/16 00:24	1
Acetone	**4.0**	**J**	10	3.0	ug/L			12/09/16 00:24	1
Benzene	ND		1.0	0.41	ug/L			12/09/16 00:24	1
Bromobenzene	ND		1.0	0.80	ug/L			12/09/16 00:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/16 00:24	1
Bromoform	ND		1.0	0.26	ug/L			12/09/16 00:24	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/16 00:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/16 00:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/16 00:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/16 00:24	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/09/16 00:24	1
Chloroethane	**0.58**	**J**	1.0	0.32	ug/L			12/09/16 00:24	1
Chloroform	ND		1.0	0.34	ug/L			12/09/16 00:24	1
Chloromethane	**1.2**		1.0	0.35	ug/L			12/09/16 00:24	1
cis-1,2-Dichloroethene	**2.2**		1.0	0.81	ug/L			12/09/16 00:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/16 00:24	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/16 00:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/16 00:24	1
Dibromomethane	ND		1.0	0.41	ug/L			12/09/16 00:24	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/16 00:24	1
Ethylbenzene	**15**		1.0	0.74	ug/L			12/09/16 00:24	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/09/16 00:24	1

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-23 12016
Date Collected: 12/06/16 13:55
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			12/09/16 00:24	1
Isopropylbenzene	**3.2**		1.0	0.79	ug/L			12/09/16 00:24	1
m,p-Xylene	**54**		2.0	0.66	ug/L			12/09/16 00:24	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/16 00:24	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/16 00:24	1
Methylcyclohexane	**1.3**		1.0	0.16	ug/L			12/09/16 00:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/16 00:24	1
Naphthalene	**6.9**		1.0	0.43	ug/L			12/09/16 00:24	1
n-Butylbenzene	**4.6**		1.0	0.64	ug/L			12/09/16 00:24	1
N-Propylbenzene	**5.0**		1.0	0.69	ug/L			12/09/16 00:24	1
o-Xylene	**34**		1.0	0.76	ug/L			12/09/16 00:24	1
sec-Butylbenzene	**2.9**		1.0	0.75	ug/L			12/09/16 00:24	1
Styrene	**1.1**		1.0	0.73	ug/L			12/09/16 00:24	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/09/16 00:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/16 00:24	1
Toluene	ND		1.0	0.51	ug/L			12/09/16 00:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/16 00:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/16 00:24	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/16 00:24	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/16 00:24	1
Vinyl acetate	ND		5.0	0.85	ug/L			12/09/16 00:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/16 00:24	1
Xylenes, Total	**88**		2.0	0.66	ug/L			12/09/16 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/09/16 00:24*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*12/09/16 00:24*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/09/16 00:24*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/09/16 00:24*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.61	ug/L		12/10/16 07:12	12/11/16 19:58	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		12/10/16 07:12	12/11/16 19:58	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		12/10/16 07:12	12/11/16 19:58	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		12/10/16 07:12	12/11/16 19:58	1
2-Chlorophenol	ND		4.7	0.50	ug/L		12/10/16 07:12	12/11/16 19:58	1
2-Methylphenol	ND		4.7	0.38	ug/L		12/10/16 07:12	12/11/16 19:58	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		12/10/16 07:12	12/11/16 19:58	1
2-Nitroaniline	ND		9.4	0.39	ug/L		12/10/16 07:12	12/11/16 19:58	1
2-Nitrophenol	ND		4.7	0.45	ug/L		12/10/16 07:12	12/11/16 19:58	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		12/10/16 07:12	12/11/16 19:58	1
3-Nitroaniline	ND		9.4	0.45	ug/L		12/10/16 07:12	12/11/16 19:58	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		12/10/16 07:12	12/11/16 19:58	1

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-23 12016
Date Collected: 12/06/16 13:55
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		12/10/16 07:12	12/11/16 19:58	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		12/10/16 07:12	12/11/16 19:58	1
4-Chloroaniline	ND		4.7	0.55	ug/L		12/10/16 07:12	12/11/16 19:58	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		12/10/16 07:12	12/11/16 19:58	1
4-Methylphenol	ND		9.4	0.34	ug/L		12/10/16 07:12	12/11/16 19:58	1
4-Nitroaniline	ND		9.4	0.23	ug/L		12/10/16 07:12	12/11/16 19:58	1
4-Nitrophenol	ND		9.4	1.4	ug/L		12/10/16 07:12	12/11/16 19:58	1
Acenaphthene	ND		4.7	0.39	ug/L		12/10/16 07:12	12/11/16 19:58	1
Acenaphthylene	ND		4.7	0.36	ug/L		12/10/16 07:12	12/11/16 19:58	1
Acetophenone	**3.4**	**J**	4.7	0.51	ug/L		12/10/16 07:12	12/11/16 19:58	1
Anthracene	ND		4.7	0.26	ug/L		12/10/16 07:12	12/11/16 19:58	1
Atrazine	ND		4.7	0.43	ug/L		12/10/16 07:12	12/11/16 19:58	1
Benzaldehyde	ND		4.7	0.25	ug/L		12/10/16 07:12	12/11/16 19:58	1
Benzo(a)anthracene	ND		4.7	0.34	ug/L		12/10/16 07:12	12/11/16 19:58	1
Benzo(a)pyrene	ND		4.7	0.44	ug/L		12/10/16 07:12	12/11/16 19:58	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		12/10/16 07:12	12/11/16 19:58	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		12/10/16 07:12	12/11/16 19:58	1
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L		12/10/16 07:12	12/11/16 19:58	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		12/10/16 07:12	12/11/16 19:58	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		12/10/16 07:12	12/11/16 19:58	1
Bis(2-ethylhexyl) phthalate	ND		4.7	2.1	ug/L		12/10/16 07:12	12/11/16 19:58	1
Butyl benzyl phthalate	ND		4.7	0.94	ug/L		12/10/16 07:12	12/11/16 19:58	1
Caprolactam	ND		4.7	2.1	ug/L		12/10/16 07:12	12/11/16 19:58	1
Carbazole	ND		4.7	0.28	ug/L		12/10/16 07:12	12/11/16 19:58	1
Chrysene	ND		4.7	0.31	ug/L		12/10/16 07:12	12/11/16 19:58	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		12/10/16 07:12	12/11/16 19:58	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		12/10/16 07:12	12/11/16 19:58	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		12/10/16 07:12	12/11/16 19:58	1
Dibenzofuran	ND		9.4	0.48	ug/L		12/10/16 07:12	12/11/16 19:58	1
Diethyl phthalate	ND		4.7	0.21	ug/L		12/10/16 07:12	12/11/16 19:58	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		12/10/16 07:12	12/11/16 19:58	1
Fluoranthene	ND		4.7	0.38	ug/L		12/10/16 07:12	12/11/16 19:58	1
Fluorene	ND		4.7	0.34	ug/L		12/10/16 07:12	12/11/16 19:58	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		12/10/16 07:12	12/11/16 19:58	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		12/10/16 07:12	12/11/16 19:58	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		12/10/16 07:12	12/11/16 19:58	1
Hexachloroethane	ND		4.7	0.55	ug/L		12/10/16 07:12	12/11/16 19:58	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		12/10/16 07:12	12/11/16 19:58	1
Isophorone	ND		4.7	0.40	ug/L		12/10/16 07:12	12/11/16 19:58	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		12/10/16 07:12	12/11/16 19:58	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		12/10/16 07:12	12/11/16 19:58	1
Naphthalene	ND		4.7	0.71	ug/L		12/10/16 07:12	12/11/16 19:58	1
Nitrobenzene	ND		4.7	0.27	ug/L		12/10/16 07:12	12/11/16 19:58	1
Pentachlorophenol	ND		9.4	2.1	ug/L		12/10/16 07:12	12/11/16 19:58	1
Phenanthrene	ND		4.7	0.41	ug/L		12/10/16 07:12	12/11/16 19:58	1
Phenol	ND		4.7	0.37	ug/L		12/10/16 07:12	12/11/16 19:58	1
Pyrene	ND		4.7	0.32	ug/L		12/10/16 07:12	12/11/16 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*85*		*46 - 120*	*12/10/16 07:12*	*12/11/16 19:58*	*1*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-23 12016
Date Collected: 12/06/16 13:55
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-5
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*52*		*16 - 120*	*12/10/16 07:12*	*12/11/16 19:58*	*1*
p-Terphenyl-d14	*101*		*67 - 150*	*12/10/16 07:12*	*12/11/16 19:58*	*1*
2,4,6-Tribromophenol	*104*		*52 - 132*	*12/10/16 07:12*	*12/11/16 19:58*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*12/10/16 07:12*	*12/11/16 19:58*	*1*
2-Fluorophenol	*71*		*20 - 120*	*12/10/16 07:12*	*12/11/16 19:58*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.048	0.0088	ug/L		12/08/16 07:34	12/09/16 12:42	1
4,4'-DDE	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:42	1
4,4'-DDT	ND		0.048	0.010	ug/L		12/08/16 07:34	12/09/16 12:42	1
Aldrin	ND		0.048	0.0077	ug/L		12/08/16 07:34	12/09/16 12:42	1
alpha-BHC	ND		0.048	0.0073	ug/L		12/08/16 07:34	12/09/16 12:42	1
alpha-Chlordane	ND		0.048	0.014	ug/L		12/08/16 07:34	12/09/16 12:42	1
beta-BHC	ND		0.048	0.024	ug/L		12/08/16 07:34	12/09/16 12:42	1
delta-BHC	ND		0.048	0.0095	ug/L		12/08/16 07:34	12/09/16 12:42	1
Dieldrin	ND		0.048	0.0093	ug/L		12/08/16 07:34	12/09/16 12:42	1
Endosulfan I	ND		0.048	0.010	ug/L		12/08/16 07:34	12/09/16 12:42	1
Endosulfan II	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:42	1
Endosulfan sulfate	ND		0.048	0.015	ug/L		12/08/16 07:34	12/09/16 12:42	1
Endrin	ND		0.048	0.013	ug/L		12/08/16 07:34	12/09/16 12:42	1
Endrin aldehyde	ND		0.048	0.016	ug/L		12/08/16 07:34	12/09/16 12:42	1
Endrin ketone	ND		0.048	0.011	ug/L		12/08/16 07:34	12/09/16 12:42	1
gamma-BHC (Lindane)	ND		0.048	0.0076	ug/L		12/08/16 07:34	12/09/16 12:42	1
gamma-Chlordane	ND		0.048	0.010	ug/L		12/08/16 07:34	12/09/16 12:42	1
Heptachlor	ND		0.048	0.0081	ug/L		12/08/16 07:34	12/09/16 12:42	1
Heptachlor epoxide	ND		0.048	0.0070	ug/L		12/08/16 07:34	12/09/16 12:42	1
Methoxychlor	ND		0.048	0.013	ug/L		12/08/16 07:34	12/09/16 12:42	1
Toxaphene	ND		0.48	0.11	ug/L		12/08/16 07:34	12/09/16 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*20 - 120*	*12/08/16 07:34*	*12/09/16 12:42*	*1*
Tetrachloro-m-xylene	*85*		*44 - 120*	*12/08/16 07:34*	*12/09/16 12:42*	*1*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-22 12016
Date Collected: 12/07/16 09:50
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-6
Matrix: Water

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		5.0	1.8	ug/L			12/10/16 11:47	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/10/16 11:47	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/10/16 11:47	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/10/16 11:47	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/10/16 11:47	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/10/16 11:47	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/10/16 11:47	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			12/10/16 11:47	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			12/10/16 11:47	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			12/10/16 11:47	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/10/16 11:47	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			12/10/16 11:47	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/10/16 11:47	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/10/16 11:47	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			12/10/16 11:47	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/10/16 11:47	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/10/16 11:47	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			12/10/16 11:47	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/10/16 11:47	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			12/10/16 11:47	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/10/16 11:47	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			12/10/16 11:47	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/10/16 11:47	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			12/10/16 11:47	5
2-Hexanone	ND		25	6.2	ug/L			12/10/16 11:47	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			12/10/16 11:47	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			12/10/16 11:47	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/10/16 11:47	5
Acetone	ND		50	15	ug/L			12/10/16 11:47	5
Benzene	ND		5.0	2.1	ug/L			12/10/16 11:47	5
Bromobenzene	ND		5.0	4.0	ug/L			12/10/16 11:47	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/10/16 11:47	5
Bromoform	ND		5.0	1.3	ug/L			12/10/16 11:47	5
Bromomethane	ND		5.0	3.5	ug/L			12/10/16 11:47	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/10/16 11:47	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/10/16 11:47	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/10/16 11:47	5
Chlorobromomethane	ND		5.0	4.4	ug/L			12/10/16 11:47	5
Chloroethane	ND		5.0	1.6	ug/L			12/10/16 11:47	5
Chloroform	ND		5.0	1.7	ug/L			12/10/16 11:47	5
Chloromethane	ND		5.0	1.8	ug/L			12/10/16 11:47	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/10/16 11:47	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/10/16 11:47	5
Cyclohexane	ND		5.0	0.90	ug/L			12/10/16 11:47	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/10/16 11:47	5
Dibromomethane	ND		5.0	2.1	ug/L			12/10/16 11:47	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/10/16 11:47	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/10/16 11:47	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			12/10/16 11:47	5

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-22 12016
Date Collected: 12/07/16 09:50
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			12/10/16 11:47	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/10/16 11:47	5
m,p-Xylene	ND		10	3.3	ug/L			12/10/16 11:47	5
Methyl acetate	ND		13	6.5	ug/L			12/10/16 11:47	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/10/16 11:47	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/10/16 11:47	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/10/16 11:47	5
Naphthalene	ND		5.0	2.2	ug/L			12/10/16 11:47	5
n-Butylbenzene	ND		5.0	3.2	ug/L			12/10/16 11:47	5
N-Propylbenzene	ND		5.0	3.5	ug/L			12/10/16 11:47	5
o-Xylene	ND		5.0	3.8	ug/L			12/10/16 11:47	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			12/10/16 11:47	5
Styrene	ND		5.0	3.7	ug/L			12/10/16 11:47	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			12/10/16 11:47	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/10/16 11:47	5
Toluene	ND		5.0	2.6	ug/L			12/10/16 11:47	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/10/16 11:47	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/10/16 11:47	5
Trichloroethene	ND		5.0	2.3	ug/L			12/10/16 11:47	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/10/16 11:47	5
Vinyl acetate	ND		25	4.3	ug/L			12/10/16 11:47	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/10/16 11:47	5
Xylenes, Total	ND		10	3.3	ug/L			12/10/16 11:47	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/10/16 11:47*	*5*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*12/10/16 11:47*	*5*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*12/10/16 11:47*	*5*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/10/16 11:47*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.9	0.64	ug/L		12/10/16 07:12	12/11/16 20:26	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,4-Dinitrophenol	ND		9.9	2.2	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/10/16 07:12	12/11/16 20:26	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/10/16 07:12	12/11/16 20:26	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/10/16 07:12	12/11/16 20:26	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/10/16 07:12	12/11/16 20:26	1
2-Methylphenol	ND		4.9	0.39	ug/L		12/10/16 07:12	12/11/16 20:26	1
2-Methylnaphthalene	ND		4.9	0.59	ug/L		12/10/16 07:12	12/11/16 20:26	1
2-Nitroaniline	ND		9.9	0.41	ug/L		12/10/16 07:12	12/11/16 20:26	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/10/16 07:12	12/11/16 20:26	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/10/16 07:12	12/11/16 20:26	1
3-Nitroaniline	ND		9.9	0.47	ug/L		12/10/16 07:12	12/11/16 20:26	1
4,6-Dinitro-2-methylphenol	ND		9.9	2.2	ug/L		12/10/16 07:12	12/11/16 20:26	1

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-22 12016
Date Collected: 12/07/16 09:50
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/10/16 07:12	12/11/16 20:26	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/10/16 07:12	12/11/16 20:26	1
4-Chloroaniline	ND		4.9	0.58	ug/L		12/10/16 07:12	12/11/16 20:26	1
4-Chlorophenyl phenyl ether	ND		4.9	0.35	ug/L		12/10/16 07:12	12/11/16 20:26	1
4-Methylphenol	ND		9.9	0.36	ug/L		12/10/16 07:12	12/11/16 20:26	1
4-Nitroaniline	ND		9.9	0.25	ug/L		12/10/16 07:12	12/11/16 20:26	1
4-Nitrophenol	ND		9.9	1.5	ug/L		12/10/16 07:12	12/11/16 20:26	1
Acenaphthene	ND		4.9	0.40	ug/L		12/10/16 07:12	12/11/16 20:26	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/10/16 07:12	12/11/16 20:26	1
Acetophenone	ND		4.9	0.53	ug/L		12/10/16 07:12	12/11/16 20:26	1
Anthracene	ND		4.9	0.28	ug/L		12/10/16 07:12	12/11/16 20:26	1
Atrazine	ND		4.9	0.45	ug/L		12/10/16 07:12	12/11/16 20:26	1
Benzaldehyde	ND		4.9	0.26	ug/L		12/10/16 07:12	12/11/16 20:26	1
Benzo(a)anthracene	ND		4.9	0.36	ug/L		12/10/16 07:12	12/11/16 20:26	1
Benzo(a)pyrene	ND		4.9	0.46	ug/L		12/10/16 07:12	12/11/16 20:26	1
Benzo(b)fluoranthene	ND		4.9	0.34	ug/L		12/10/16 07:12	12/11/16 20:26	1
Benzo(g,h,i)perylene	ND		4.9	0.35	ug/L		12/10/16 07:12	12/11/16 20:26	1
Benzo(k)fluoranthene	ND		4.9	0.72	ug/L		12/10/16 07:12	12/11/16 20:26	1
Bis(2-chloroethoxy)methane	ND		4.9	0.35	ug/L		12/10/16 07:12	12/11/16 20:26	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/10/16 07:12	12/11/16 20:26	1
Bis(2-ethylhexyl) phthalate	ND		4.9	2.2	ug/L		12/10/16 07:12	12/11/16 20:26	1
Butyl benzyl phthalate	ND		4.9	0.99	ug/L		12/10/16 07:12	12/11/16 20:26	1
Caprolactam	ND		4.9	2.2	ug/L		12/10/16 07:12	12/11/16 20:26	1
Carbazole	ND		4.9	0.30	ug/L		12/10/16 07:12	12/11/16 20:26	1
Chrysene	ND		4.9	0.33	ug/L		12/10/16 07:12	12/11/16 20:26	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/10/16 07:12	12/11/16 20:26	1
Di-n-butyl phthalate	**0.93**	**J**	4.9	0.31	ug/L		12/10/16 07:12	12/11/16 20:26	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/10/16 07:12	12/11/16 20:26	1
Dibenzofuran	ND		9.9	0.50	ug/L		12/10/16 07:12	12/11/16 20:26	1
Diethyl phthalate	ND		4.9	0.22	ug/L		12/10/16 07:12	12/11/16 20:26	1
Dimethyl phthalate	ND		4.9	0.36	ug/L		12/10/16 07:12	12/11/16 20:26	1
Fluoranthene	ND		4.9	0.39	ug/L		12/10/16 07:12	12/11/16 20:26	1
Fluorene	ND		4.9	0.36	ug/L		12/10/16 07:12	12/11/16 20:26	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/10/16 07:12	12/11/16 20:26	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/10/16 07:12	12/11/16 20:26	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/10/16 07:12	12/11/16 20:26	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/10/16 07:12	12/11/16 20:26	1
Indeno(1,2,3-cd)pyrene	ND		4.9	0.46	ug/L		12/10/16 07:12	12/11/16 20:26	1
Isophorone	ND		4.9	0.42	ug/L		12/10/16 07:12	12/11/16 20:26	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/10/16 07:12	12/11/16 20:26	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/10/16 07:12	12/11/16 20:26	1
Naphthalene	ND		4.9	0.75	ug/L		12/10/16 07:12	12/11/16 20:26	1
Nitrobenzene	ND		4.9	0.29	ug/L		12/10/16 07:12	12/11/16 20:26	1
Pentachlorophenol	ND		9.9	2.2	ug/L		12/10/16 07:12	12/11/16 20:26	1
Phenanthrene	ND		4.9	0.43	ug/L		12/10/16 07:12	12/11/16 20:26	1
Phenol	ND		4.9	0.38	ug/L		12/10/16 07:12	12/11/16 20:26	1
Pyrene	ND		4.9	0.34	ug/L		12/10/16 07:12	12/11/16 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*83*		*46 - 120*	*12/10/16 07:12*	*12/11/16 20:26*	*1*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-22 12016
Date Collected: 12/07/16 09:50
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-6
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*54*		*16 - 120*	*12/10/16 07:12*	*12/11/16 20:26*	*1*
p-Terphenyl-d14	*99*		*67 - 150*	*12/10/16 07:12*	*12/11/16 20:26*	*1*
2,4,6-Tribromophenol	*115*		*52 - 132*	*12/10/16 07:12*	*12/11/16 20:26*	*1*
2-Fluorobiphenyl	*46*	*X*	*48 - 120*	*12/10/16 07:12*	*12/11/16 20:26*	*1*
2-Fluorophenol	*66*		*20 - 120*	*12/10/16 07:12*	*12/11/16 20:26*	*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		12/08/16 07:34	12/09/16 13:02	5
4,4'-DDE	**0.095**	**J**	0.25	0.057	ug/L		12/08/16 07:34	12/09/16 13:02	5
4,4'-DDT	ND		0.25	0.054	ug/L		12/08/16 07:34	12/09/16 13:02	5
Aldrin	ND		0.25	0.040	ug/L		12/08/16 07:34	12/09/16 13:02	5
alpha-BHC	ND		0.25	0.038	ug/L		12/08/16 07:34	12/09/16 13:02	5
alpha-Chlordane	**0.15**	**J**	0.25	0.073	ug/L		12/08/16 07:34	12/09/16 13:02	5
beta-BHC	ND		0.25	0.12	ug/L		12/08/16 07:34	12/09/16 13:02	5
delta-BHC	ND		0.25	0.049	ug/L		12/08/16 07:34	12/09/16 13:02	5
Dieldrin	ND		0.25	0.048	ug/L		12/08/16 07:34	12/09/16 13:02	5
Endosulfan I	ND		0.25	0.054	ug/L		12/08/16 07:34	12/09/16 13:02	5
Endosulfan II	ND		0.25	0.059	ug/L		12/08/16 07:34	12/09/16 13:02	5
Endosulfan sulfate	ND		0.25	0.078	ug/L		12/08/16 07:34	12/09/16 13:02	5
Endrin	ND		0.25	0.068	ug/L		12/08/16 07:34	12/09/16 13:02	5
Endrin aldehyde	ND		0.25	0.081	ug/L		12/08/16 07:34	12/09/16 13:02	5
Endrin ketone	ND		0.25	0.059	ug/L		12/08/16 07:34	12/09/16 13:02	5
gamma-BHC (Lindane)	ND		0.25	0.040	ug/L		12/08/16 07:34	12/09/16 13:02	5
gamma-Chlordane	ND		0.25	0.054	ug/L		12/08/16 07:34	12/09/16 13:02	5
Heptachlor	ND		0.25	0.042	ug/L		12/08/16 07:34	12/09/16 13:02	5
Heptachlor epoxide	**0.17**	**J**	0.25	0.037	ug/L		12/08/16 07:34	12/09/16 13:02	5
Methoxychlor	ND		0.25	0.070	ug/L		12/08/16 07:34	12/09/16 13:02	5
Toxaphene	ND		2.5	0.59	ug/L		12/08/16 07:34	12/09/16 13:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*20 - 120*	*12/08/16 07:34*	*12/09/16 13:02*	*5*
Tetrachloro-m-xylene	*138*	*X*	*44 - 120*	*12/08/16 07:34*	*12/09/16 13:02*	*5*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: DUP-1 12016
Date Collected: 12/07/16 00:00
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-7
Matrix: Water

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		5.0	1.8	ug/L			12/12/16 12:53	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/12/16 12:53	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/12/16 12:53	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/12/16 12:53	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/12/16 12:53	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/12/16 12:53	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/12/16 12:53	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			12/12/16 12:53	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			12/12/16 12:53	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			12/12/16 12:53	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/12/16 12:53	5
1,2,4-Trimethylbenzene	**200**		5.0	3.8	ug/L			12/12/16 12:53	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/12/16 12:53	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/12/16 12:53	5
1,2-Dichlorobenzene	**15**		5.0	4.0	ug/L			12/12/16 12:53	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/12/16 12:53	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/12/16 12:53	5
1,3,5-Trimethylbenzene	**83**		5.0	3.9	ug/L			12/12/16 12:53	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/12/16 12:53	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			12/12/16 12:53	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/12/16 12:53	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			12/12/16 12:53	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/12/16 12:53	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			12/12/16 12:53	5
2-Hexanone	ND		25	6.2	ug/L			12/12/16 12:53	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			12/12/16 12:53	5
4-Isopropyltoluene	**19**		5.0	1.6	ug/L			12/12/16 12:53	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/12/16 12:53	5
Acetone	ND		50	15	ug/L			12/12/16 12:53	5
Benzene	ND		5.0	2.1	ug/L			12/12/16 12:53	5
Bromobenzene	ND		5.0	4.0	ug/L			12/12/16 12:53	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/12/16 12:53	5
Bromoform	ND		5.0	1.3	ug/L			12/12/16 12:53	5
Bromomethane	ND		5.0	3.5	ug/L			12/12/16 12:53	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/12/16 12:53	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/12/16 12:53	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/12/16 12:53	5
Chlorobromomethane	ND		5.0	4.4	ug/L			12/12/16 12:53	5
Chloroethane	ND		5.0	1.6	ug/L			12/12/16 12:53	5
Chloroform	ND		5.0	1.7	ug/L			12/12/16 12:53	5
Chloromethane	ND		5.0	1.8	ug/L			12/12/16 12:53	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/12/16 12:53	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/12/16 12:53	5
Cyclohexane	ND		5.0	0.90	ug/L			12/12/16 12:53	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/12/16 12:53	5
Dibromomethane	ND		5.0	2.1	ug/L			12/12/16 12:53	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/12/16 12:53	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/12/16 12:53	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			12/12/16 12:53	5

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: DUP-1 12016
Date Collected: 12/07/16 00:00
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			12/12/16 12:53	5
Isopropylbenzene	**4.4**	**J**	5.0	4.0	ug/L			12/12/16 12:53	5
m,p-Xylene	**12**		10	3.3	ug/L			12/12/16 12:53	5
Methyl acetate	ND		13	6.5	ug/L			12/12/16 12:53	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/12/16 12:53	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/12/16 12:53	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/12/16 12:53	5
Naphthalene	**24**		5.0	2.2	ug/L			12/12/16 12:53	5
n-Butylbenzene	**23**		5.0	3.2	ug/L			12/12/16 12:53	5
N-Propylbenzene	**7.9**		5.0	3.5	ug/L			12/12/16 12:53	5
o-Xylene	**23**		5.0	3.8	ug/L			12/12/16 12:53	5
sec-Butylbenzene	**9.4**		5.0	3.8	ug/L			12/12/16 12:53	5
Styrene	ND		5.0	3.7	ug/L			12/12/16 12:53	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			12/12/16 12:53	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/12/16 12:53	5
Toluene	ND		5.0	2.6	ug/L			12/12/16 12:53	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/12/16 12:53	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/12/16 12:53	5
Trichloroethene	ND		5.0	2.3	ug/L			12/12/16 12:53	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/12/16 12:53	5
Vinyl acetate	ND		25	4.3	ug/L			12/12/16 12:53	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/12/16 12:53	5
Xylenes, Total	**35**		10	3.3	ug/L			12/12/16 12:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/12/16 12:53*	*5*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*12/12/16 12:53*	*5*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/12/16 12:53*	*5*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/12/16 12:53*	*5*

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		12/10/16 07:12	12/11/16 20:55	5
bis (2-chloroisopropyl) ether	ND		25	2.6	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,4,5-Trichlorophenol	ND		25	2.4	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,4,6-Trichlorophenol	ND		25	3.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,4-Dichlorophenol	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,4-Dimethylphenol	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,4-Dinitrophenol	ND		50	11	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,4-Dinitrotoluene	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 20:55	5
2,6-Dinitrotoluene	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
2-Chloronaphthalene	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 20:55	5
2-Chlorophenol	ND		25	2.6	ug/L		12/10/16 07:12	12/11/16 20:55	5
2-Methylphenol	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
2-Methylnaphthalene	ND		25	3.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
2-Nitroaniline	ND		50	2.1	ug/L		12/10/16 07:12	12/11/16 20:55	5
2-Nitrophenol	ND		25	2.4	ug/L		12/10/16 07:12	12/11/16 20:55	5
3,3'-Dichlorobenzidine	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
3-Nitroaniline	ND		50	2.4	ug/L		12/10/16 07:12	12/11/16 20:55	5
4,6-Dinitro-2-methylphenol	ND		50	11	ug/L		12/10/16 07:12	12/11/16 20:55	5

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: DUP-1 12016
Date Collected: 12/07/16 00:00
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 20:55	5
4-Chloro-3-methylphenol	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 20:55	5
4-Chloroaniline	ND		25	2.9	ug/L		12/10/16 07:12	12/11/16 20:55	5
4-Chlorophenyl phenyl ether	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 20:55	5
4-Methylphenol	**7.0**	**J**	50	1.8	ug/L		12/10/16 07:12	12/11/16 20:55	5
4-Nitroaniline	ND		50	1.2	ug/L		12/10/16 07:12	12/11/16 20:55	5
4-Nitrophenol	ND		50	7.6	ug/L		12/10/16 07:12	12/11/16 20:55	5
Acenaphthene	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
Acenaphthylene	ND		25	1.9	ug/L		12/10/16 07:12	12/11/16 20:55	5
Acetophenone	ND		25	2.7	ug/L		12/10/16 07:12	12/11/16 20:55	5
Anthracene	ND		25	1.4	ug/L		12/10/16 07:12	12/11/16 20:55	5
Atrazine	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 20:55	5
Benzaldehyde	ND		25	1.3	ug/L		12/10/16 07:12	12/11/16 20:55	5
Benzo(a)anthracene	ND		25	1.8	ug/L		12/10/16 07:12	12/11/16 20:55	5
Benzo(a)pyrene	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 20:55	5
Benzo(b)fluoranthene	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 20:55	5
Benzo(g,h,i)perylene	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 20:55	5
Benzo(k)fluoranthene	ND		25	3.6	ug/L		12/10/16 07:12	12/11/16 20:55	5
Bis(2-chloroethoxy)methane	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 20:55	5
Bis(2-chloroethyl)ether	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
Bis(2-ethylhexyl) phthalate	ND		25	11	ug/L		12/10/16 07:12	12/11/16 20:55	5
Butyl benzyl phthalate	ND		25	5.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
Caprolactam	ND		25	11	ug/L		12/10/16 07:12	12/11/16 20:55	5
Carbazole	ND		25	1.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
Chrysene	ND		25	1.6	ug/L		12/10/16 07:12	12/11/16 20:55	5
Dibenz(a,h)anthracene	ND		25	2.1	ug/L		12/10/16 07:12	12/11/16 20:55	5
Di-n-butyl phthalate	ND		25	1.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
Di-n-octyl phthalate	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 20:55	5
Dibenzofuran	ND		50	2.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
Diethyl phthalate	ND		25	1.1	ug/L		12/10/16 07:12	12/11/16 20:55	5
Dimethyl phthalate	ND		25	1.8	ug/L		12/10/16 07:12	12/11/16 20:55	5
Fluoranthene	ND		25	2.0	ug/L		12/10/16 07:12	12/11/16 20:55	5
Fluorene	ND		25	1.8	ug/L		12/10/16 07:12	12/11/16 20:55	5
Hexachlorobenzene	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
Hexachlorobutadiene	ND		25	3.4	ug/L		12/10/16 07:12	12/11/16 20:55	5
Hexachlorocyclopentadiene	ND		25	2.9	ug/L		12/10/16 07:12	12/11/16 20:55	5
Hexachloroethane	ND		25	2.9	ug/L		12/10/16 07:12	12/11/16 20:55	5
Indeno(1,2,3-cd)pyrene	ND		25	2.3	ug/L		12/10/16 07:12	12/11/16 20:55	5
Isophorone	ND		25	2.1	ug/L		12/10/16 07:12	12/11/16 20:55	5
N-Nitrosodi-n-propylamine	ND		25	2.7	ug/L		12/10/16 07:12	12/11/16 20:55	5
N-Nitrosodiphenylamine	ND		25	2.5	ug/L		12/10/16 07:12	12/11/16 20:55	5
Naphthalene	**9.5**	**J**	25	3.8	ug/L		12/10/16 07:12	12/11/16 20:55	5
Nitrobenzene	ND		25	1.4	ug/L		12/10/16 07:12	12/11/16 20:55	5
Pentachlorophenol	ND		50	11	ug/L		12/10/16 07:12	12/11/16 20:55	5
Phenanthrene	ND		25	2.2	ug/L		12/10/16 07:12	12/11/16 20:55	5
Phenol	ND		25	1.9	ug/L		12/10/16 07:12	12/11/16 20:55	5
Pyrene	ND		25	1.7	ug/L		12/10/16 07:12	12/11/16 20:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*74*		*46 - 120*	*12/10/16 07:12*	*12/11/16 20:55*	*5*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: DUP-1 12016
Date Collected: 12/07/16 00:00
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-7
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d5	*45*		*16 - 120*	*12/10/16 07:12*	*12/11/16 20:55*	*5*
p-Terphenyl-d14	*101*		*67 - 150*	*12/10/16 07:12*	*12/11/16 20:55*	*5*
2,4,6-Tribromophenol	*102*		*52 - 132*	*12/10/16 07:12*	*12/11/16 20:55*	*5*
2-Fluorobiphenyl	*79*		*48 - 120*	*12/10/16 07:12*	*12/11/16 20:55*	*5*
2-Fluorophenol	*56*		*20 - 120*	*12/10/16 07:12*	*12/11/16 20:55*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.25	0.045	ug/L		12/08/16 07:34	12/09/16 13:22	5
4,4'-DDE	ND		0.25	0.057	ug/L		12/08/16 07:34	12/09/16 13:22	5
4,4'-DDT	ND		0.25	0.054	ug/L		12/08/16 07:34	12/09/16 13:22	5
Aldrin	**0.073**	**J**	0.25	0.040	ug/L		12/08/16 07:34	12/09/16 13:22	5
alpha-BHC	ND		0.25	0.038	ug/L		12/08/16 07:34	12/09/16 13:22	5
alpha-Chlordane	ND		0.25	0.073	ug/L		12/08/16 07:34	12/09/16 13:22	5
beta-BHC	ND		0.25	0.12	ug/L		12/08/16 07:34	12/09/16 13:22	5
delta-BHC	ND		0.25	0.049	ug/L		12/08/16 07:34	12/09/16 13:22	5
Dieldrin	ND		0.25	0.048	ug/L		12/08/16 07:34	12/09/16 13:22	5
Endosulfan I	ND		0.25	0.054	ug/L		12/08/16 07:34	12/09/16 13:22	5
Endosulfan II	ND		0.25	0.059	ug/L		12/08/16 07:34	12/09/16 13:22	5
Endosulfan sulfate	ND		0.25	0.077	ug/L		12/08/16 07:34	12/09/16 13:22	5
Endrin	ND		0.25	0.068	ug/L		12/08/16 07:34	12/09/16 13:22	5
Endrin aldehyde	ND		0.25	0.080	ug/L		12/08/16 07:34	12/09/16 13:22	5
Endrin ketone	ND		0.25	0.059	ug/L		12/08/16 07:34	12/09/16 13:22	5
gamma-BHC (Lindane)	ND		0.25	0.039	ug/L		12/08/16 07:34	12/09/16 13:22	5
gamma-Chlordane	ND		0.25	0.054	ug/L		12/08/16 07:34	12/09/16 13:22	5
Heptachlor	ND		0.25	0.042	ug/L		12/08/16 07:34	12/09/16 13:22	5
Heptachlor epoxide	ND		0.25	0.036	ug/L		12/08/16 07:34	12/09/16 13:22	5
Methoxychlor	ND		0.25	0.069	ug/L		12/08/16 07:34	12/09/16 13:22	5
Toxaphene	ND		2.5	0.59	ug/L		12/08/16 07:34	12/09/16 13:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*20 - 120*	*12/08/16 07:34*	*12/09/16 13:22*	*5*
Tetrachloro-m-xylene	*115*		*44 - 120*	*12/08/16 07:34*	*12/09/16 13:22*	*5*

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: TRIP BLANK
Date Collected: 12/07/16 00:00
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-8
Matrix: Water

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			12/10/16 12:14	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/10/16 12:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/16 12:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/10/16 12:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/16 12:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/16 12:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/16 12:14	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			12/10/16 12:14	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/10/16 12:14	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			12/10/16 12:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/10/16 12:14	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/10/16 12:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/10/16 12:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/10/16 12:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/10/16 12:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/16 12:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/16 12:14	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/10/16 12:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/10/16 12:14	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			12/10/16 12:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/10/16 12:14	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			12/10/16 12:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/16 12:14	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			12/10/16 12:14	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/16 12:14	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			12/10/16 12:14	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/10/16 12:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/16 12:14	1
Acetone	ND		10	3.0	ug/L			12/10/16 12:14	1
Benzene	ND		1.0	0.41	ug/L			12/10/16 12:14	1
Bromobenzene	ND		1.0	0.80	ug/L			12/10/16 12:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/16 12:14	1
Bromoform	ND		1.0	0.26	ug/L			12/10/16 12:14	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/16 12:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/16 12:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/16 12:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/16 12:14	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/10/16 12:14	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/16 12:14	1
Chloroform	ND		1.0	0.34	ug/L			12/10/16 12:14	1
Chloromethane	ND		1.0	0.35	ug/L			12/10/16 12:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/16 12:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/16 12:14	1
Cyclohexane	ND		1.0	0.18	ug/L			12/10/16 12:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/16 12:14	1
Dibromomethane	ND		1.0	0.41	ug/L			12/10/16 12:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/10/16 12:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/16 12:14	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/10/16 12:14	1

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: TRIP BLANK
Date Collected: 12/07/16 00:00
Date Received: 12/08/16 01:30

Lab Sample ID: 480-110708-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			12/10/16 12:14	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/10/16 12:14	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/10/16 12:14	1
Methyl acetate	ND		2.5	1.3	ug/L			12/10/16 12:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/10/16 12:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/10/16 12:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/16 12:14	1
Naphthalene	ND		1.0	0.43	ug/L			12/10/16 12:14	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/10/16 12:14	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/10/16 12:14	1
o-Xylene	ND		1.0	0.76	ug/L			12/10/16 12:14	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/10/16 12:14	1
Styrene	ND		1.0	0.73	ug/L			12/10/16 12:14	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/10/16 12:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/16 12:14	1
Toluene	ND		1.0	0.51	ug/L			12/10/16 12:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/16 12:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/16 12:14	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/16 12:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/10/16 12:14	1
Vinyl acetate	ND		5.0	0.85	ug/L			12/10/16 12:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/16 12:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/16 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*12/10/16 12:14*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*12/10/16 12:14*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/10/16 12:14*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/10/16 12:14*	*1*

Lab Chronicle

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-17 12016

Lab Sample ID: 480-110708-1

Date Collected: 12/06/16 11:57

Matrix: Water

Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	335361	12/08/16 15:51	RRS	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		5	335803	12/11/16 18:06	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		5	335530	12/09/16 11:24	MAN	TAL BUF

Client Sample ID: MW-18 12016

Lab Sample ID: 480-110708-2

Date Collected: 12/07/16 10:30

Matrix: Water

Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335719	12/10/16 05:44	GTG	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		5	335803	12/11/16 18:34	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		1	335530	12/09/16 11:44	MAN	TAL BUF

Client Sample ID: MW-21 12016

Lab Sample ID: 480-110708-3

Date Collected: 12/06/16 12:44

Matrix: Water

Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335510	12/08/16 23:57	RJF	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		1	335803	12/11/16 19:02	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		1	335530	12/09/16 12:03	MAN	TAL BUF

Client Sample ID: ASW 12016

Lab Sample ID: 480-110708-4

Date Collected: 12/06/16 14:23

Matrix: Water

Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	335361	12/08/16 16:45	RRS	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		50	335803	12/11/16 19:30	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		10	335530	12/09/16 12:23	MAN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-110708-1

Client Sample ID: MW-23 12016

Lab Sample ID: 480-110708-5

Date Collected: 12/06/16 13:55
Matrix: Water
Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335510	12/09/16 00:24	RJF	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		1	335803	12/11/16 19:58	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		1	335530	12/09/16 12:42	MAN	TAL BUF

Client Sample ID: MW-22 12016

Lab Sample ID: 480-110708-6

Date Collected: 12/07/16 09:50
Matrix: Water
Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	335750	12/10/16 11:47	RJF	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		1	335803	12/11/16 20:26	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		5	335530	12/09/16 13:02	MAN	TAL BUF

Client Sample ID: DUP-1 12016

Lab Sample ID: 480-110708-7

Date Collected: 12/07/16 00:00
Matrix: Water
Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	335869	12/12/16 12:53	SWO	TAL BUF
Total/NA	Prep	3510C			335745	12/10/16 07:12	MCZ	TAL BUF
Total/NA	Analysis	8270D		5	335803	12/11/16 20:55	PJQ	TAL BUF
Total/NA	Prep	3510C			335311	12/08/16 07:34	SMP	TAL BUF
Total/NA	Analysis	8081B		5	335530	12/09/16 13:22	MAN	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-110708-8

Date Collected: 12/07/16 00:00
Matrix: Water
Date Received: 12/08/16 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	335750	12/10/16 12:14	RJF	TAL BUF

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 480-110708-1

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

Method Summary

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

TestAmerica Job ID: 480-110708-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

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

TestAmerica Job ID: 480-110708-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-110708-1	MW-17 12016	Water	12/06/16 11:57	12/08/16 01:30
480-110708-2	MW-18 12016	Water	12/07/16 10:30	12/08/16 01:30
480-110708-3	MW-21 12016	Water	12/06/16 12:44	12/08/16 01:30
480-110708-4	ASW 12016	Water	12/06/16 14:23	12/08/16 01:30
480-110708-5	MW-23 12016	Water	12/06/16 13:55	12/08/16 01:30
480-110708-6	MW-22 12016	Water	12/07/16 09:50	12/08/16 01:30
480-110708-7	DUP-1 12016	Water	12/07/16 00:00	12/08/16 01:30
480-110708-8	TRIP BLANK	Water	12/07/16 00:00	12/08/16 01:30

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

480501-Albany

Chain of Custody Record

480-110708 COC

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Ross McCredy	Lab PM: Stone, Judy L	COC No: 480-90157-19690.1
Client Contact: Mr. Chris French	Phone: (315) 794-5536	E-Mail: judy.stone@testamericainc.com	Page: Page 1 of 1
Company: AECOM, Inc.			Job #:
Address: 40 British American Blvd	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Latham	TAT Requested (days): STANDARD		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12110			
Phone: 518-402-9625(Tel)	PO #: Callout 122730		
Email: chris.french@aecom.com	WO #: 60273289.3		
Project Name: Korkay, Inc. #518014	Project #: 48005347		
Site: Korkay	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - (MOD) TCL list OLM04.2	8270D - TCL SVOA - OLM04.2	8081B - TCL Pesticides - OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N	N		
MW-17 120 16	12/6/16	1157	G	Water			X	X	X	7	
MW-18 120 16	12/7/16	1030		Water			X	X	X	7	
MW-21 120 16	12/6/16	1244		Water			X	X	X	7	
ASW 120 16	12/6/16	1423		Water			X	X	X	7	
MW-23 120 16	12/6/16	1355		Water			X	X	X	7	
MW-22 120 16	12/7/16	950		Water			X	X	X	7	
DUP-1 120 16		-		Water			X	X	X	7	
Trip BLANK	-	-	-	Water			X			2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ross McCredy	12/7/16 1132	AECOM		12/7/16 1132	TAALB
	12/7/16 1800	TAALB		12-8-16 0130	TAB

Custody Seals Intact: △ Yes △ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.2 #1

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12/14/2016

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-110708-1

Login Number: 110708

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	