AECOM Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
April 2016

Groundwater Monitoring Report
Post-ISCO Quarterly Sampling Event
March 8, 2016

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

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Acronyms and Abbreviations

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 March 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. 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 March 8, 2015, as well as results from previous post-ISCO injection quarterly sampling events. The sampling event represented the second 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 this March 2016 event. 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 to5 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 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 March 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

Chart 1 depicts the trend in the TVOC concentration in well ASW, a pre-existing well located in the former source area with the longest sample history of the wells being monitored. Chart 2 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 March 2016 VOC analytical results and TVOC data trends to date are discussed below.

- The TVOC concentration in upgradient well MW-17 (147.9 mg/L) was a slight increase over the previous result (59.3 mg/L), but remains well below the October 2015 baseline concentration (591.5 mg/L). The concentrations of five VOC compounds were above relevant AWQSs. Three additional compounds exceed AWQSs that were not observed in the previous December 2015 event. Persulfate was measured at approximately 4.2 mg/L, and there was essentially no DO measured in the well (0.2 mg/L). The data indicates that oxygen and persulfate levels are depleted and due to the lack of oxidation/biodegradation, rebound is occurring in the vicinity of this well.

- The TVOC concentration in well MW-18 (9.9 mg/L), located near the center of the Site, represented a continued significant decreasing trend since the December 2015 event (122.2 mg/L) and October 2015 baseline concentration (1,272.4 mg/L). Only methylene chloride was detected in this well above the AWQS. High relative levels of persulfate (70

mg/L) and DO (42 mg/L) were also measured in the well. The data indicates that the ISCO treatment has effectively reduced contaminant levels in this well.

- The TVOC concentration in cross gradient well MW-22 (45.9 mg/L) also decreased for the second consecutive event and the October 2015 baseline concentration of 108.3 mg/L. The number of individual compounds that exceeded the AWQS decreased. Persulfate and DO was measured at levels of 7 mg/L and 2.5 mg/L, respectively, indicating some ISCO treatment chemical may still be present in the well that could further reduce contaminant levels in this area.

- The TVOC concentration in the former source area well ASW (3,059 mg/L) increased slightly from the previous (December 2015) result, and represented a continued increasing trend from the October 2015 baseline concentration (1,941 mg/L). Persulfate was measured at approximately 3.5 mg/L and there was no DO (0 mg/L) measured in the well. These readings indicate that oxygen levels in the vicinity of this well may be insufficient to support further reduction in contaminant mass.

- The TVOC concentration in well MW-23 (3,586.9 mg/L), located at the downgradient Site boundary, increased significantly from the December 2015 event (788.6 mg/L) and represented the second consecutive increase since the October 2015 baseline event (521.9 mg/L). The field parameter test results indicate that persulfate (1.4 mg/L) and DO (0.15 mg/L) have been depleted in this well. As with well ASW, this data indicates that oxygen levels in the vicinity of this well may be insufficient to support further reduction in contaminant mass. The increase in concentrations may be attributed to desorption of VOCs from the soil to the aqueous phase due to the ISCO injections.

- Well MW-21 was added to the post-ISCO monitoring network for this March 2016 sampling event. The TVOC concentration detected in this off-Site downgradient well (4.1 mg/L) was approximately one order of magnitude lower than the October 2015 baseline TVOC concentration (453 mg/L). The DO level (1.2 mg/L) measured in the well was low, however some persulfate (measured level of 2.5 mg/L) was observed in this well indicating that some ISCO treatment chemical has most likely migrated downgradient to this well from the on-Site treatment area.

Semi-Volatile Organic and Organochlorine Pesticides Compounds

As shown in Table 2, the March 2016 SVOC analytical results were generally similar to the December 2015 quarterly sample results. Contaminant concentrations 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-23). Review of Table 2 shows that the SVOC concentration trends since October 2015 generally mimic the TVOC trends described above. That is slight decreasing trends were observed in wells MW-17, MW-18, MW-22 and MW-23, while increasing trends occurred in the former source area well ASW and downgradient Site boundary well MW-23.

For the organochlorine pesticides analyses, the number of individual compounds detected in the March 2016 sample results reported at concentrations above relevant AWQSs was less in all wells than the December 2015 results. In the well MW-21, which had not been sampled since the October 2015 baseline event, two compounds (alpha-BHC and gamma-BHC) were detected whereas no compounds were detected in the October 2015 baseline sample. There is no apparent correlation to date between the pesticide results and either the TVOC or SVOC results.

4.0 Summary and Conclusions

From the review of the March 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 some rebound in TVOC concentration may be occurring 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.

- TVOC concentrations continued to increase slightly in the former source area well ASW and increased more significantly in downgradient Site boundary well MW-23. The increases may be attributed to desorption of VOCs from the soil to the aqueous phase due to the ISCO injections. Further, while some persulfate was observed in these wells, DO levels appear to be depleted, suggesting that further aerobic biodegradation is unlikely to occur in this highly impacted area of the Site.

- TVOC concentrations continued to decrease moderately to significantly 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.

- The elevated persulfate and DO levels observed in well MW-18 in the center of the Site, and to some extent in cross gradient well MW-22, indicates there may be potential for active persulfate and ORC to currently remain across a relatively large portion of the center of the Site, immediately upgradient of the most highly impacted source area (wells ASW and MW-23). If correct, there could be potential for the residual ISCO chemicals to disperse with groundwater flow into the more highly impacted area over the next 1 to 2 quarterly monitoring periods and promote some reduction in contaminant mass.

- The SVOC concentration trends in all wells sampled in December 2015 and March 2016 essentially mimic the TVOC 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 TVOC data trends alone will be adequate to monitor changes in contaminant levels.

5.0 Recommendations

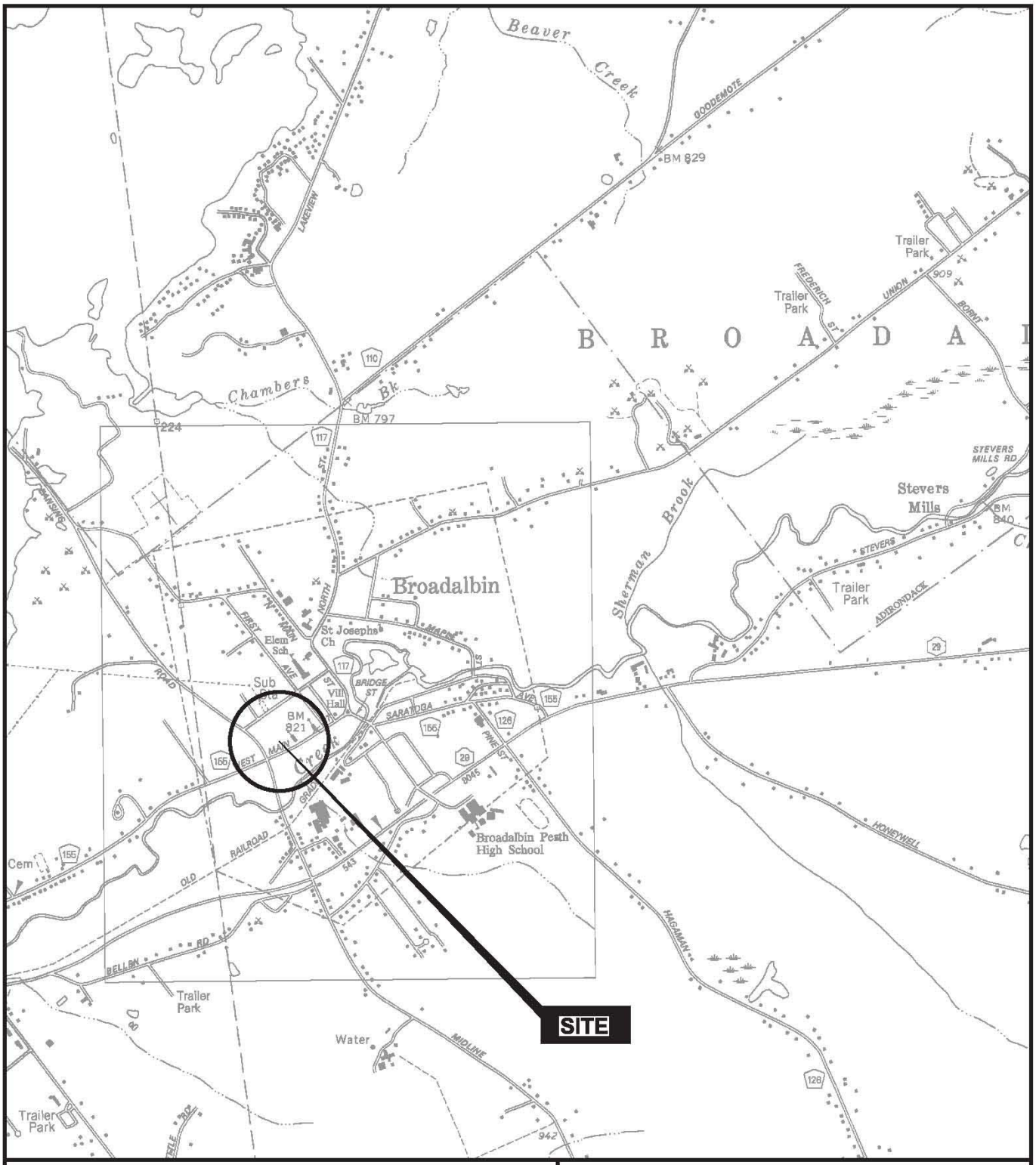
Based on the results of this monitoring event, and review of the TVOC trends to date, it is recommended that the 6 wells included in the present monitoring well sampling program (i.e., ASW, MW-17, MW-18, MW-21, MW-22 and MW-23) be unchanged for the next quarterly sampling event (June, 2016).

Results from the next quarterly monitoring event will be evaluated for evidence of contaminant reduction in the vicinity of the former source area (ASW) and downgradient Site boundary (MW-23) and indications of potential dispersion of elevated persulfate and DO from upgradient locations (MW-18 and MW-22).

The level of active persulfate remaining in the injection area is unlikely to further reduce contaminant mass, as almost six months have passed since the ISCO injection was completed. Similarly, the amount of residual ORC in the injection area to promote aerobic degredation and reduce contaminant mass is low. Consideration should therefore be given to administering a second round of ISCO treatment, targeted on the residual hot spot areas of the Site.

Changes in groundwater quality will continue to be monitored during future quarterly sampling events. An expanded review of changes in groundwater quality and additional recommendations will be provided as deemed necessary.

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"

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

MW-15D
MW-15S
MW-17
MW-22
MW-18
MW-24
K-2
K-3
VEW-1
VEW-4
ASW
VEW-2
VEW-3
MW-16D
MW-23
MW-21
MW-20
MW-8S
MW-8D
MW-19
BM1:
RR SPIKE
NORTH SIDE PP #309
ELEV. - 818.61

N 2ND ST
S 2ND ST
WEST MAIN STREET

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

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

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

PARCEL II
AREA = 1,922 SQ. FT. OR 0.04 ACRES ±
APPARENT RECORD YARD OVERLAP

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

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

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

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

LANDSCAPE FABRIC

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.

Issue Status: DRAFT

AECOM

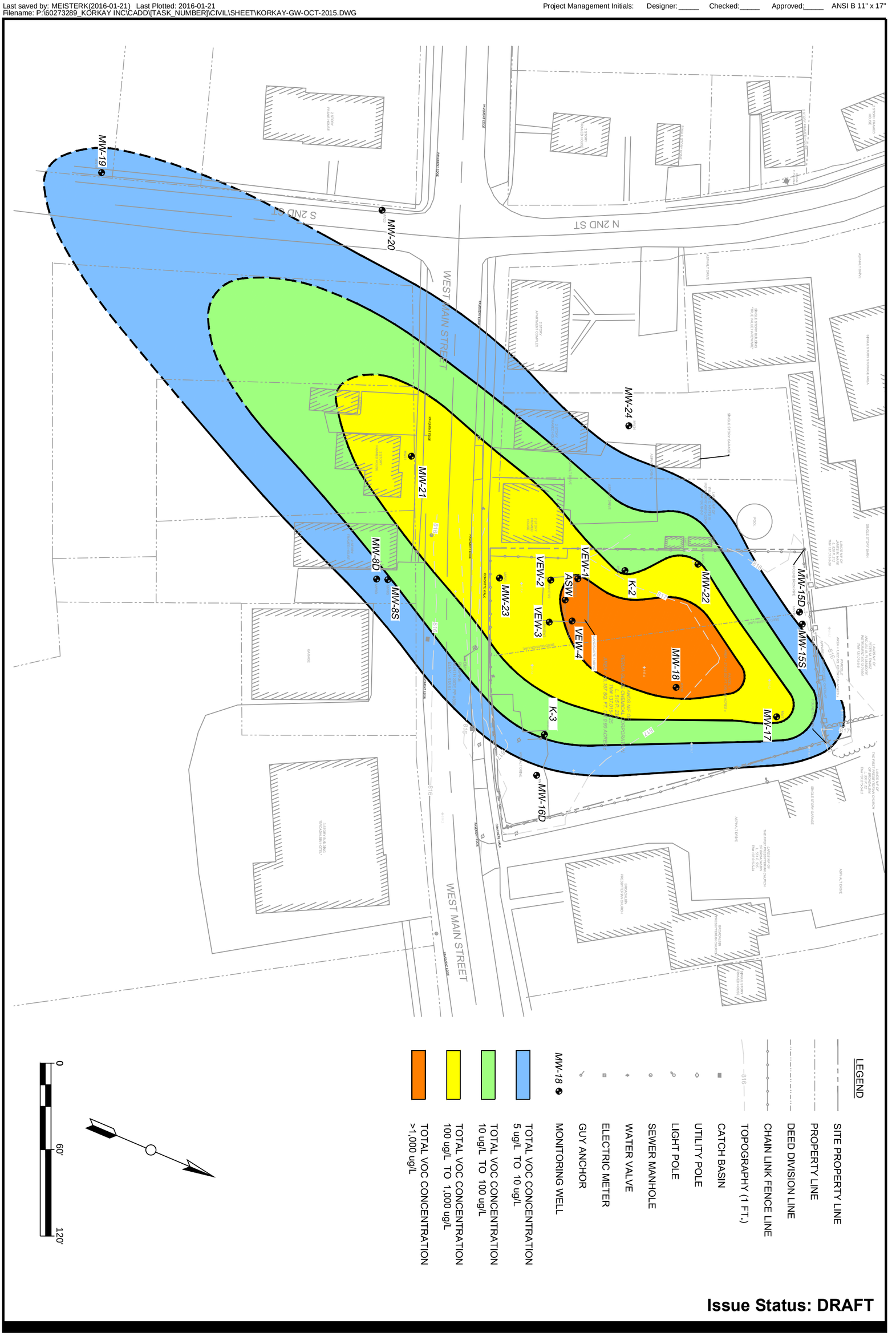
Figure: 2

EXISTING CONDITIONS

KORKAY INC.
NYSDEC SITE ID: 518014
BROADALBIN, NEW YORK
Project No.: 60273289 Date: YYYY-MM-DD

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

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



Issue Status: DRAFT

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

TOTAL VOC ISOCONCENTRATION CONTOUR MAP
OCTOBER 14, 2015

AECOM

Figure: 3

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

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Filename: P:\60273289_KORKAY INC\CADD\[TASK_NUMBER]\CIVIL\SHEET\KORKAY-GW-MAR-2016.DWG

MW-15D
MW-15S
812.04
MW-17
811.59
MW-22
811.52
MW-18
811.27
MW-24
810.45
K-2
810.86
VEW-1
810.67
ASW
810.72
VEW-4
810.74
VEW-2
810.58
VEW-3
810.66
K-3
810.85
MW-16D
MW-23
810.33
MW-21
809.49
MW-20
808.08
MW-8S
809.62
MW-8D
MW-19
805.33
812
811
810
809
808
807
806
805
N 2ND ST
S 2ND ST
WEST MAIN STREET
WEST MAIN STREET

LEGEND

- SITE PROPERTY LINE
- PROPERTY LINE
- DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816 — TOPOGRAPHY (1 FT.)
- CATCH BASIN
- UTILITY POLE
- LIGHT POLE
- SEWER MANHOLE
- WATER VALVE
- ELECTRIC METER
- GUY ANCHOR
- MW-18 — MONITORING WELL
- 810.23 — GROUNDWATER ELEVATION (MARCH 8, 2016)
- 810 — GROUNDWATER CONTOUR (MARCH 8, 2016)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

0 60' 120'

Issue Status: DRAFT

AECOM

Figure: 4

SHALLOW AQUIFER WATER TABLE CONTOUR MAP MARCH 8, 2015

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

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

MW-15D
MW-15S
MW-17
MW-22
MW-18
MW-24
K-2
VEW-1
ASW
VEW-4
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

LEGEND

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

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

0 60' 120'

Issue Status: DRAFT

AECOM

Figure: 5a

TOTAL VOC ISOCONCENTRATION CONTOUR MAP DECEMBER 8, 2015

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

Last saved by: MEISTERK(2016-01-21) Last Plotted: 2016-01-21
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Project Management Initials: Designer: Checked: Approved: ANSI B 11" x 17"

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

LEGEND

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

0 60' 120'

Issue Status: DRAFT

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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Tables

Table 1

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

March 8, 2016

Well ID	Top of Casing Elevation**	Total Well Depth	Depth to Water	Water Table Elevation
MW-8S	816.04	10.49	6.42	809.62
MW-8D*	816.02	54.70	27.12	788.90
MW-15S	816.02	12.30	3.98	812.04
MW-15D*	816.13	43.20	24.45	791.68
MW-16D *(formerly 'Flushmount')*	817.08	55.14	28.28	788.80
K-2	816.98	13.82	6.12	810.86
K-3	817.23	10.35	6.38	810.85
ASW	817.44	13.58	6.72	810.72
VEW-1	816.99	10.80	6.32	810.67
VEW-2	816.99	10.81	6.41	810.58
VEW-3	817.74	10.81	7.08	810.66
VEW-4	817.49	10.85	6.75	810.74
MW-17	816.23	14.21	4.64	811.59
MW-18	817.15	14.50	5.88	811.27
MW-19	809.28	9.40	3.95	805.33
MW-20	813.82	12.30	5.74	808.08
MW-21	816.19	9.10	6.70	809.49
MW-22	815.82	9.22	4.30	811.52
MW-23	817.21	14.25	6.88	810.33
MW-24	817.48	11.20	7.03	810.45

Notes:

* Deep aquifer wells

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

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

[1] Water level measured is not shown as it was recorded prior to converting the well casing to flush-mount and resurveying the new well casing elevation.

nm = Water level not measured.

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

Well ID		ASW			MW-17				MW-18			MW-21		MW-22				MW-23		
	AWQS or GV	10/13/15	12/8/15	3/8/16	10/14/15	12/8/15	12/8/15 [1]	3/8/16	10/14/15	12/8/15	3/8/16	10/15/15	3/8/16	10/14/15	12/8/15	3/8/16	3/08/16 [1]	10/14/15	12/8/15	3/8/16
Volatile Organic Compounds (µg/L)																				
1,2,4-Trimethylbenzene	5	**420**	**950**	**880**	**220**	5 U	5 U	**61**	**440**	**15**	10 U	**140**	**0.91** J	**21**	**26**	**19**	**13**	**110**	**160**	**770**
1,2-Dichlorobenzene	3	**24**	**31**	**28**	**28**	**15**	**14**	10 U	**26**	10 U	10 U	20 U	**1.1**	5 U	10 U	5 U	5 U	**18**	**8.6**	**47**
1,3,5-Trimethylbenzene	5	**260**	**310**	**340**	**140**	5 U	5 U	**54**	**180**	10 U	10 U	**39**	1 U	**11**	**13**	**15**	**16**	**66**	**49**	**260**
1,4-Dichlorobenzene	3	5.0 U	20 U	20 U	5 U	5 U	5 U	10 U	**4.4** J	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
2-Butanone (MEK)	50 (GV)	**12** J	200 U	200 U	50 U	50 U	50 U	100 U	50 U	100 U	100 U	200 U	10 U	**14** J	100 U	10 U	50 U	50 U	**24** J	**63** J
4-Isopropyltoluene	5	**37**	**39**	**47**	**28**	5 U	5 U	**6.6** J	**31**	**3.5** J	10 U	**12** J	1 U	**6.3**	**8.2** J	**5.8**	**5.1**	**16**	**9**	**38**
Acetone	50 (GV)	**22** J	**76** J	**150** J	50 U	**25** J	**24** J	100 U	50 U	**73** J	100 U	200 U	10 U	50 U	100 U	10 U	50 U	50 U	**140**	**390**
Carbon Disulfide	60	5 U	20 U	20 U	5 U	5 U	5 U	**2.7** J	5 U	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	5 U	5 U	10 U
Chloroethane	5	5 U	20 U	20 U	5 U	5 U	5 U	10 U	5 U	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	5 U	5 U	**27**
Chloromethane	NS	5.0 U	20 U	**50**	5 U	**7**	**7**	10 U	5 U	**17**	10 U	20 U	1 U	5 U	10 U	5 U	5 U	5 U	**23**	**120**
cis-1,2-Dichloroethene	5	**24**	20 U	20 U	5 U	5 U	5 U	10 U	5 U	10 U	10 U	20 U	**2.5**	5 U	10 U	5 U	5 U	**5.3**	**10**	**9.2** J
Cyclohexane	NS	5.0 U	20 U	20 U	5 U	5 U	5 U	10 U	5 U	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	5 U	5 U	**7.9** J
Ethylbenzene	5	**110**	**120**	**130**	**4** J	5 U	5 U	10 U	**46**	10 U	10 U	**43**	1 U	**5.5**	10 U	5 U	5 U	**24**	**40**	**190**
Isopropylbenzene	5	**34**	**43**	**43**	**9.1**	5 U	5 U	10 U	**21**	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	**7.7**	**10**	**49**
Methylcyclohexane	NS	**16**	**6.1** J	**29**	**4.8** J	5 U	5 U	10 U	**7**	10 U	10 U	20 U	1 U	**3.1** J	10 U	5 U	5 U	**6.1**	**2.1** J	**19**
m,p-Xylene	5	**340**	**580**	**710**	**21**	10 U	10 U	20 U	**220**	20 U	20 U	**54**	2 U	**22**	20 U	10 U	10 U	**100**	**160**	**890**
n-Butylbenzene	5	**68**	**73**	**47**	**36**	5 U	5 U	10 U	**41**	10 U	10 U	**30**	1 U	**8**	**9.8** J	**3.3** J	**3.5** J	**22**	**15**	**34**
n-Propylbenzene	5	**60**	**78**	**80**	**16**	5 U	5 U	10 U	**42**	10 U	10 U	**15** J	1 U	5 U	10 U	5 U	5 U	**12**	**17**	**79**
Methylene Chloride	5	5.0 U	20 U	**14** J	5 U	5 U	5 U	**5.7** J	5 U	**4.5** J	**6.3** J	20 U	1 U	5 U	10 U	5 U	**3.7** J	5 U	5 U	**8.8** J
Naphthalene	10 (GV)	**84**	**120**	**86**	**32**	5 U	5 U	**6.9** J	**55**	**9.2** J	10 U	20 U	1 U	5 U	**4.3** J	**2.8** J	5 U	**21**	**25**	**120**
o-Xylene	5	**390**	**370**	**410**	**32**	**8.2**	**7.8**	**11**	**120**	10 U	10 U	**120**	1 U	**14**	10 U	5 U	5 U	**99**	**84**	**440**
Styrene	5	5.0 U	20 U	20 U	5 U	5 U	5 U	10 U	5 U	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	5 U	5 U	**13**
sec-Butylbenzene	5	**30**	**30**	20 U	**16**	5 U	5 U	10 U	**21**	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	**8**	**7.2**	10 U
Tetrachloroethene (PCE)	5	5.0 U	20 U	**15** J	**4.6** J	**4.1** J	**3.6** J	10 U	**18**	10 U	**3.6** J	20 U	1 U	**3.4** J	10 U	5 U	5 U	5 U	5 U	10 U
Toluene	5	**10**	20 U	20 U	5 U	5 U	5 U	10 U	5 U	10 U	10 U	20 U	1 U	5 U	10 U	5 U	5 U	**6.8**	**4.7** J	**12**
Xylene (Total)	NS	**550**	**950**	**1,100**	**53**	**8.2** J	**7.8** J	**11** J	**340**	20 U	20 U	**170**	1 U	**36**	20 U	10 U	10 U	**200**	**240**	**1,300**
Total VOCs [2]		**1,941** J	**2,826.1** J	**3,059** J	**591.5** J	**59.3** J	**56.4** J	**147.9** J	**1,272.4** J	**122.2** J	**9.9** J	**453** J	**4.51** J	**108.3** J	**61.3** J	**45.9** J	**41.3** J	**521.9**	**788.6** J	**3,586.9** J
Field Parameter Results																				
DO (mg/L)	NA	- -	**0.52**	**0**	- -	**0.54**		**0.2**	- -	**29**	**42**	- -	**1.2**	- -	**0.3**	**2.5**		- -	**0.53**	**0.15**
ORP (MeV)	NA	- -	**-105**	**-143**		**-99**		**-157**	- -	**199**	**147**	- -	**-78**	- -	**-88**	**-4**		- -	**-101**	**-175**
Sodium Persulfate (mg/L)	NA	nt	nt	**3.5**	nt	nt		**4.2**	nt	nt	**70**	nt	**2.5**	nt	nt	**7**		nt	nt	**1.4**

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
- - - 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
March 2016 Quarterly Monitoring Event
Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID		ASW						MW-17								MW-18						MW-21				MW-22								MW-23					
	AWQS or GV	10/13/15		12/8/15		3/8/16		10/14/15		12/8/15		12/8/15 [1]		3/8/16		10/14/15		12/8/15		3/8/16		10/15/15		3/8/16		10/14/15		12/8/15		3/8/16		3/08/16 [1]		10/14/15		12/8/15		3/8/16	
Semivolatile Organic Compounds (µg/L)																																							
2,4,5-Trichlorophenol	NS	4.8	U	4.6	U	5.2	U	52	U	**0.56**	J	**0.59**	J	4.7	U	26	U	4.6	U	4.9	U	5.7	U	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	20	U	4.6	U	19	U
2,4-Dimethylphenol	50 (GV)	**2.7**	J	**8.6**		**10**		52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	4.9	U	**2.4**	J	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	**4.9**	J	**4.6**		**10**	J
2-Methylnaphthalene	NS	**23**		**30**		**36**		52	U	4.8	U	4.8	U	4.7	U	26	U	**5.4**		4.9	U	5.7	U	4.6	U	5.5	U	**2.1**	J	4.8	U	4.7	U	20	U	**2.9**	J	**32**	
4-Methylphenol	NS	**61**		**59**		**12**		100	U	**0.66**	J	**0.62**	J	**7.4**	J	**9.0**	J	**1.5**	J	9.7	U	**1.7**	J	9.2	U	**0.53**	J	**0.95**	J	9.7	U	9.3	U	40	U	**5.7**	J	**9.4**	J
Acetophenone	NS	4.8	U	**98**		**170**		52	U	**27**		**26**		4.7	U	26	U	4.6	U	4.9	U	5.7	U	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	20	U	**44**		**210**	
Benzaldehyde	NS	4.8	U	4.6	U	5.2	U	52	U	4.8	U	4.8	U	4.7	U	26	U	**8.5**		4.9	U	5.7	U	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	20	U	**17**		19	U
Biphenyl	5	**1.7**	J	**2.2**	J	**2.5**	J	52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	4.9	U	5.7	U	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	20	U	4.6	U	19	U
Butyl benzyl phthalate	50 (GV)	**0.53**	JB	4.6	U	5.2	U	52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	**0.52**	JB	**0.61**	JB	4.6	U	5.5	U	4.9	U	4.8	U	**0.55**	JB	20	U	4.6	U	19	U
Di-n-butylphthalate	50	**1.7**	J	**2.2**	J	**2.5**	J	52	U	**0.8**	J	**0.75**	J	**0.44**	J	26	U	**0.47**	J	4.9	U	**0.71**	J	4.6	U	**1.3**	J	**2**	J	**1.3**	J	**1.2**	J	**2.5**	J	**0.91**	J	**2**	J
Diethyl phthalate	50 (GV)	4.8	U	4.6	U	5.2	U	52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	4.9	U	5.7	U	4.6	U	5.5	U	4.9	U	**0.78**	J	**0.87**	J	20	U	4.6	U	**1.2**	J
Di-n-octylphthalate	50 (GV)	4.8	U	4.6	U	5.2	U	52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	4.9	U	**0.93**	J	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	20	U	4.6	U	19	U
Fluorene	50 (GV)	**0.46**	J	**0.48**	J	**0.59**	J	52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	4.9	U	5.7	U	4.6	U	5.5	U	**0.35**	J	4.8	U	4.7	U	20	U	4.6	U	19	U
Naphthalene	10 (GV)	**46**		**68**		**82**		**13**	J	4.8	U	4.8	U	**4.8**		26	U	4.6	U	**0.78**	J	5.7	U	4.6	U	5.5	U	**3.1**	J	4.8	U	**0.73**	J	20	U	**15**		**96**	
Phenol	1	4.8	U	**0.48**	J	5.2	U	52	U	4.8	U	4.8	U	4.7	U	26	U	4.6	U	4.9	U	5.7	U	4.6	U	**1.0**	J	4.9	U	4.8	U	4.7	U	20	U	**1.1**	J	19	U
Organochlorine Pesticides (µg/L)																																							
Aldrin	ND	0.50	U	**0.051**	J	0.49	U	**0.035**	J	**0.14**	J	**0.16**	J	0.49	U	0.25	U	**0.11**	J	0.23	U	0.25	U	0.098	U	0.53	U	**0.12**	J	**0.044**	J	**0.094**	J	0.10	U	0.23	U	0.52	U
alpha-BHC	0.01	**0.12**	JB	0.23	U	**0.093**	J	0.10	U	**0.086**	J	**0.084**	J	0.49	U	0.25	U	**0.13**	J	**0.05**	J	0.25	U	**0.03**	J	0.53	U	**0.084**	J	0.24	U	0.24	U	0.10	U	**0.074**	J	**0.13**	J
alpha-Chlordane	NS	0.50	U	0.23	U	0.49	U	**0.098**	J	0.46	U	0.48	U	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	**0.16**	J	**0.41**		**0.63**		0.10	U	0.23	U	0.52	U
beta-BHC	0.04	0.50	U	0.23	U	0.49	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	**0.26**	J	0.24	U	0.24	U	0.10	U	**0.14**	J	0.52	U
delta-BHC	0.04	**0.14**	J	**0.12**	J	**0.14**	J	**0.045**	J	**0.25**	J	**0.26**	J	**0.16**	J	0.25	U	**0.25**	J	**0.057**	J	0.25	U	0.098	U	0.53	U	**0.27**	J	**0.055**	J	**0.1**	J	0.10	U	0.23	U	0.52	U
Dieldrin	0.004	0.50	U	0.23	U	0.49	U	0.10	U	**0.13**	J	**0.13**	J	0.49	U	0.25	U	**0.1**	J	0.23	U	0.25	U	0.098	U	0.53	U	**0.28**	J	0.24	U	0.24	U	0.10	U	**0.046**	J	0.52	U
Endosulfan Sulfate	NS	0.50	U	0.23	U	0.49	U	0.10	U	**0.27**	J	0.48	U	0.49	U	0.25	U	**0.24**	J	0.23	U	0.25	U	0.098	U	0.53	U	0.5	U	0.24	U	0.24	U	0.10	U	0.23	U	0.52	U
Endrin Aldehyde	5	0.50	U	0.23	U	0.49	U	**0.042**	J	0.46	U	0.48	U	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	0.5	U	0.24	U	0.24	U	0.10	U	0.23	U	0.52	U
gamma-BHC (Lindane)	0.05	0.50	U	**0.058**	J	0.49	U	**0.023**	J	**0.12**	J	**0.12**	J	**0.11**	JB	0.25	U	**0.13**	J	**0.063**	JB	0.25	U	**0.017**	JB	0.53	U	**0.12**	J	0.24	U	0.24	U	**0.056**	J	**0.077**	J	0.52	U
Heptachlor	0.04	0.50	U	0.23	U	0.49	U	0.10	U	0.46	U	0.48	U	0.49	U	**0.11**	J	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	0.5	U	0.24	U	0.24	U	0.10	U	0.23	U	0.52	U
Heptachlor Epoxide	0.03	0.50	U	0.23	U	0.49	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	**0.25**	J	0.24	U	0.24	U	0.10	U	0.23	U	0.52	U
Methoxychlor	35	0.50	U	0.23	U	0.49	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	**0.13**	J	0.23	U	0.25	U	0.098	U	0.53	U	0.5	U	0.24	U	0.24	U	0.10	U	0.23	U	0.52	U
4,4-DDD	0.3	0.50	U	**0.067**	J	0.49	U	0.10	U	0.46	U	**0.13**	J	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	**0.16**	J	0.24	U	0.24	U	**0.025**	J	0.23	U	0.52	U
P,P'-DDE	0.2	0.50	U	0.23	U	0.49	U	**0.035**	J	0.46	U	**0.13**	J	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	0.5	U	0.24	U	**0.12**	J	0.10	U	0.23	U	0.52	U
gamma-Chlordane	NS	0.50	U	0.23	U	0.49	U	0.10	U	0.46	U	0.48	U	0.49	U	0.25	U	0.46	U	0.23	U	0.25	U	0.098	U	0.53	U	0.5	U	**0.092**	J	**0.13**	J	0.10	U	0.23	U	0.52	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
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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
- - - 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 TVOC Concentration Trends - Monitoring Well ASW
Korkay Inc.

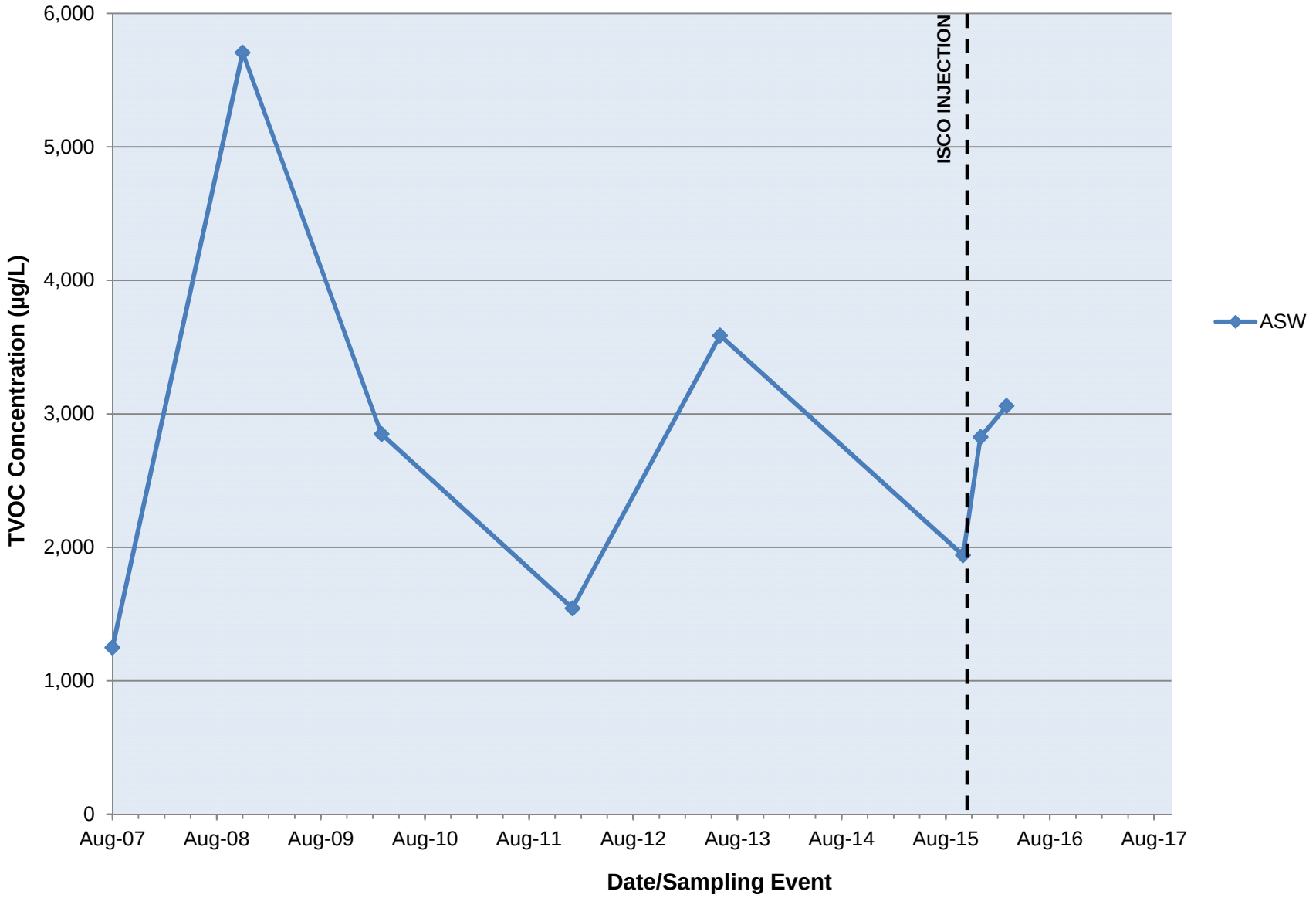
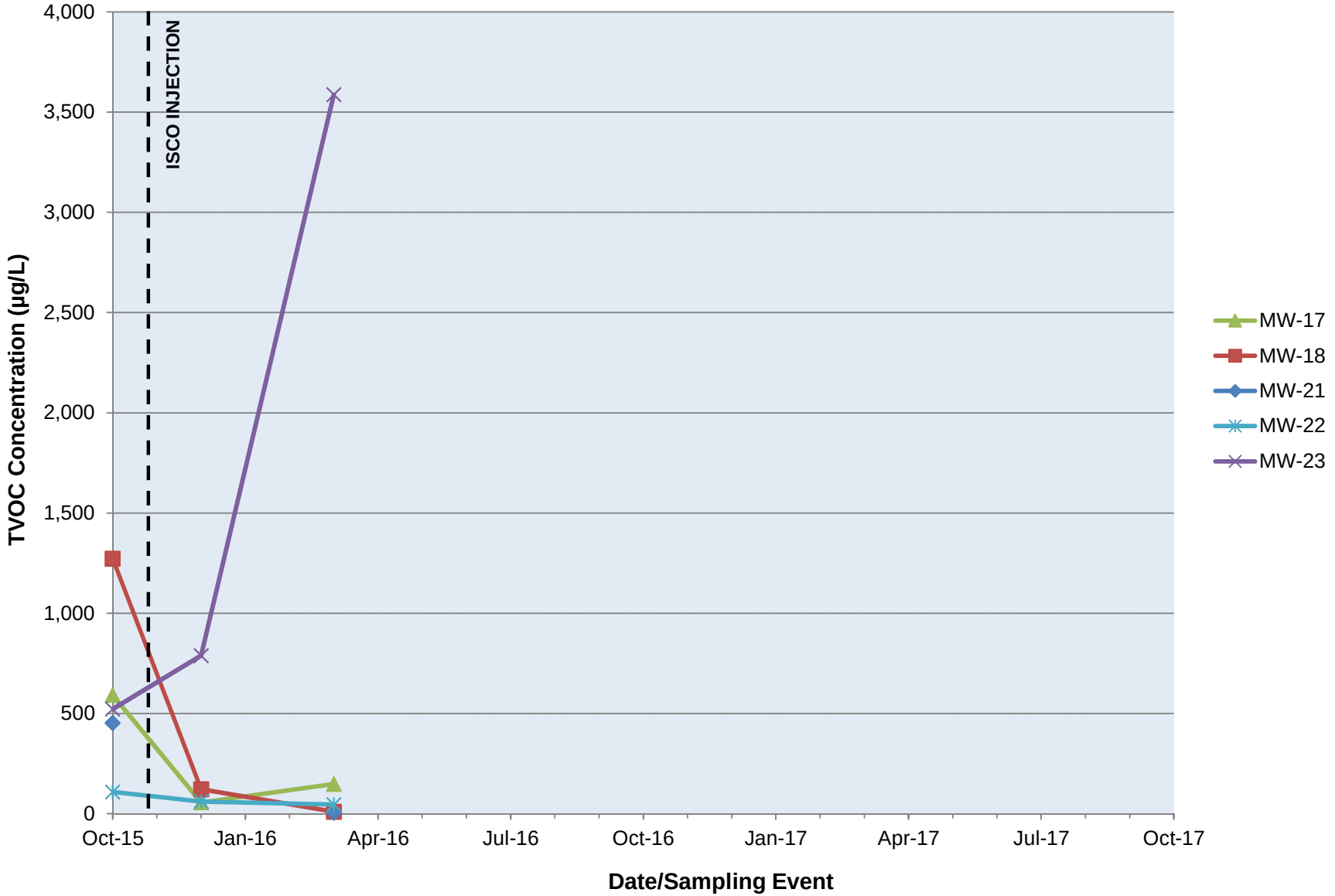


Chart 2
Post ISCO Injection Groundwater TVOC Concentration Trends - ISCO Monitoring Wells
Korkay Inc.



Appendix A

Groundwater Sampling Records

Korkay Water Level Measurements

Date:			
Well ID	DTW	DTB	Notes
K-2	6.12	14.23	
K-3	6.38	10.55	
VIEW-1	6.32	8.34	
VIEW-2	6.41	8.54	
VIEW-3	7.08	8.55	
VIEW-4	6.75	8.20	
ASW	6.72	11.80	
MW-8S	6.42	10.64	
MW-8D	27.12	55.52	
MW-15S	3.98	9.85	
MW-15D	24.45	40.00	
MW-16	28.28	55.08	
MW-17	4.64	14.40	
MW-18	5.88	15.48	
MW-19	3.95	9.60	
MW-20	5.74	13.15	
MW-21	6.70	11.14	
MW-22	4.30	9.27	
MW-23	6.98	14.32	
MW-24	7.08	11.25	

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-17 Date: 3/8/16

Samplers: RM

Sample Number: MW-17 030816 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump/Low Flow

1. L = Well Depth:	14.40	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	4.64	feet
4. C = Column of Water in Well:	9.76	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	1.59	gal
6. 3(V) = Target Purge Volume	4.77	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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using ~~Horiba~~ YSI, Turbidimeter.

Parameter	Units	Readings					
Time	24 hr	10:03	10:08	10:13	10:18	10:23	10:28
Water Level (0.33)	feet	4.70	4.80	4.82	4.88	4.90	4.93
Volume Purged	L ~~gal~~	0	0.75	1.20	1.75	2.25	2.75
Flow Rate	mL/min	~60	60	60	60	60	60
Turbidity (+/- 10%)	NTU	50.4	29.4	26.2	26.4	25.6	25.3
Dissolved Oxygen (+/- 10%)	%	2.0	-0.4	-1.4	-1.7	-2.0	-2.1
Dissolved Oxygen (+/- 10%)	mg/L	.20	-0.04	-0.15	0.17	0.20	0.21
Eh / ORP (+/- 10)	MeV	-163.5	-162.8	-158.0	-156.8	-156.2	-157.3
Specific Conductivity (+/- 3%)	mS/cm^c	1.170	1.179	1.198	1.211	1.229	1.248
Conductivity (+/- 3%)	mS/cm	0.794	0.794	0.801	0.813	0.820	0.839
pH (+/- 0.1)	pH unit	6.76	6.73	6.72	6.72	6.73	6.73
Temp (+/- 0.5)	C°	8.1	7.9	7.7	7.8	7.6	7.8
Color	Visual	Dr Flock	clear	clear	clear	Clear	Clear
Odor	Olfactory	SI Sulfur	Sulfur	None	No	NO	NO

Comments: Persulfate: 4.2 ppm

Sampled @ 1028

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-18 Date: 03/8/16

Samplers: TRM

Sample Number: MW-18 030816 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump/Low Flow

1. L = Well Depth:	15.48	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	5.88	feet
4. C = Column of Water in Well:	9.6	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.56	gal
6. 3(V) = Target Purge Volume	4.70	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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using ~~Horiba~~ YSI Pro DDS, PRO ODO

Parameter	Units	Readings						
Time	24 hr	11:55	12:00	12:05	1210	12:15	12:20	12:25
Water Level (0.33)	feet	6.12	6.23	6.33	6.36	6.40	6.42	6.42
Volume Purged	gal	0	0.60	1.50	2.30	3.0	3.5	4.1
Flow Rate	mL/min	55	55	55	55	55	55	55
Turbidity (+/- 10%)	NTU	102.6	95.1	74.8	58.1	45.1	44.3	42.1
Dissolved Oxygen (+/- 10%)	%	346.3	354.2	362.3	388.0	391.0	396.1	397.1
Dissolved Oxygen (+/- 10%)	mg/L	36.41	37.20	38.15	41.06	41.56	42.08	42.14
Eh / ORP (+/- 10)	MeV	105.2	129.7	147.2	152.1	150.2	148.2	146.6
Specific Conductivity (+/- 3%)	mS/cm[c]	0.914	0.922	0.919	0.905	0.885	0.862	0.850
Conductivity (+/- 3%)	mS/cm	0.615	0.617	0.614	0.604	0.592	0.575	0.567
pH (+/- 0.1)	pH unit	7.40	7.40	7.34	7.26	7.18	7.13	7.12
Temp (+/- 0.5)	C°	7.80	7.7	7.6	7.6	7.7	7.6	7.6
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	NO	NO	NO	NO	NO	NO	NO

Comments: Pursulfate : 70 ppm

Sampled @ 12:25

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-21 Date: 3/8/16

Samplers: RM

Sample Number: MW-21 030816 QA/QC Collected? No

Purging / Sampling Method: Peristaltic Pump/Low Flow

1. L = Well Depth:	11.14	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.70	feet
4. C = Column of Water in Well:	4.44	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	0.72	gal
6. 3(V) = Target Purge Volume	2.17	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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using ~~Horiba~~ YSI Pro DDS/Pro ODO

Parameter	Units	Readings					
Time	24 hr	14:00	14:05	1410	1415	1420	1425
Water Level (0.33)	feet	6.82	6.82	6.81	6.82	6.82	6.82
Volume Purged	~~gal~~ L	0	0.50	1.0	1.5	2.10	2.70
Flow Rate	mL/min	50	50	50	50	50	50
Turbidity (+/- 10%)	NTU	44.2	44.9	28.0	26.3	24.9	23.8
Dissolved Oxygen (+/- 10%)	%	13.2	11.3	9.9	11.7	12.1	12.8
Dissolved Oxygen (+/- 10%)	mg/L	1.31	1.13	0.99	1.19	1.21	1.28
Eh / ORP (+/- 10)	MeV	-103.8	-83.2	-72.0	-72.6	-76.0	-77.7
Specific Conductivity (+/- 3%)	mS/cm[c]	1.012	0.971	0.988	0.988	0.981	0.980
Conductivity (+/- 3%)	mS/cm	0.709	0.672	0.673	0.675	0.671	0.671
pH (+/- 0.1)	pH unit	6.97	7.12	7.16	7.15	7.15	7.15
Temp (+/- 0.5)	C°	9.3	8.9	8.3	8.4	8.5	8.5
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	No	No	No	No	No	No

Comments: persulfate: 2.5 ppm

Sampled @ 1425

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-22 Date: 3/8/16

Samplers: RM

Sample Number: MW-22 030816 QA/QC Collected? DUP-1 030816

Purging / Sampling Method: Peristaltic Pump/Low Flow

1. L = Well Depth:	9.27	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	4.30	feet
4. C = Column of Water in Well:	4.97	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.81	gal
6. 3(V) = Target Purge Volume	2.4	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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using ~~Horiba~~ YSI Pro, pro odo

Parameter	Units	Readings						
Time	24 hr	10:45	10:50	10:55	11:00	11:05	11:10	11:15
Water Level (0.33)	feet	4.50	4.61	4.70	4.80	4.81	4.84	4.86
Volume Purged	~~gal~~ L	0	1L	1.6	2.15	2.60	3.15	3.70
Flow Rate	mL/min	55	50-60	60	60	60	60	60
Turbidity (+/- 10%)	NTU	3050	2270	1600	303.1	300.1	76.1	415.1
Dissolved Oxygen (+/- 10%)	%	52.5	50.4	47.8	44.0	37.7	35.5	37.0
Dissolved Oxygen (+/- 10%)	mg/L	5.66	5.51	5.30	4.87	4.16	3.96	4.10
Eh / ORP (+/- 10)	MeV	-9.6	-13.2	-3.6	16.4	25.3	34.1	9.4
Specific Conductivity (+/- 3%)	mS/cm^c	0.341	0.322	0.327	0.331	0.329	0.329	0.322
Conductivity (+/- 3%)	mS/cm	0.220	0.210	0.210	0.210	0.209	0.208	0.203
pH (+/- 0.1)	pH unit	6.82	6.56	6.56	6.63	6.58	6.56	6.52
Temp (+/- 0.5)	C°	6.4	6.7	6.3	5.8	5.9	5.8	5.7
Color	Visual	Brown	Red/Br	Br/Gr	cloudy	cloudy	cloudy	cloudy
Odor	Olfactory	No	No	No	No	No	No	No

Comments: 11:00 - Water in flow-through cell very muddy, but water in tubing clear. Emptied flow-through cell

Persulfate: 7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-22 Date: 3/8/16

Samplers: RM

Sample Number: MW-22 030816 QA/QC Collected? Dup-1 030816

Purging / Sampling Method: Peristaltic Pump/Low Flow

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using ~~Horiba~~ YSI ProDSS, ProDDO

Parameter	Units	Readings						
Time	24 hr	18:20	18:25	18:30				
Water Level (0.33)	feet	4.88	4.89	4.91				
Volume Purged	~~gal~~ L	4.1	5.0	5.7				
Flow Rate	mL/min	60	60	60				
Turbidity (+/- 10%)	NTU	160.1	168.2	171.3				
Dissolved Oxygen (+/- 10%)	%	22.2	21.7	22.5				
Dissolved Oxygen (+/- 10%)	mg/L	2.46	2.41	2.48				
Eh / ORP (+/- 10)	MeV	1.7	-2.1	-4.1				
Specific Conductivity (+/- 3%)	mS/cm^c	0.319	0.317	0.316				
Conductivity (+/- 3%)	mS/cm	0.201	0.199	0.198				
pH (+/- 0.1)	pH unit	6.49	6.48	6.48				
Temp (+/- 0.5)	C°	5.7	5.6	5.5				
Color	Visual	cloudy	cloudy	cloudy				
Odor	Olfactory	NO	NO	NO				

Comments: Sampled @ 1130

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-23 Date: 3/8/16

Samplers: RM

Sample Number: MW-23 030816 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump/Low Flow

1. L = Well Depth:	14.32	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.88	feet
4. C = Column of Water in Well:	7.44	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	1.21	gal
6. 3(V) = Target Purge Volume	3.63	gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using Horiba YSI Pro DDS, pro ODO

Parameter	Units	Readings					
Time	24 hr	1320	1325	1330	1335	1340	1345
Water Level (0.33)	feet	6.90	6.90	6.90	6.91	6.90	6.90
Volume Purged	~~gal~~ L	0	0.50	1.35	1.80	2.25	2.70
Flow Rate	mL/min	60	60	60	60	60	60
Turbidity (+/- 10%)	NTU	10.4	7.5	8.1	7.5	7.1	6.8
Dissolved Oxygen (+/- 10%)	%	1.5	-0.1	-1.0	-1.2	-1.4	-1.5
Dissolved Oxygen (+/- 10%)	mg/L	0.15	-0.01	-0.1	-0.12	-0.14	-0.15
Eh / ORP (+/- 10)	MeV	-175.5	-189.2	-180.8	-176.6	-174.7	-174.9
Specific Conductivity (+/- 3%)	mS/cm[c]	6.437	6.479	5.460	4.760	4.423	4.305
Conductivity (+/- 3%)	mS/cm	4.568	4.592	3.876	3.311	3.156	3.098
pH (+/- 0.1)	pH unit	6.53	6.57	6.46	6.41	6.40	6.39
Temp (+/- 0.5)	C°	9.8	9.8	9.9	9.9	9.9	10.0
Color	Visual	clear	clear	clear	clear	clear	clear
Odor	Olfactory	NO	NO	NO	NO	NO	NO

Comments: persulfate: 1.4 ppm

Sampled @ 1345

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: ASW Date: 3/8/16

Samplers: RM

Sample Number: ASW 030816 QA/QC Collected? NO

Purging / Sampling Method: Peristaltic Pump/Low Flow

1. L = Well Depth:	11.80	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Depth to Water:	6.72	feet
4. C = Column of Water in Well:	5.02	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	0.81	gal
6. 3(V) = Target Purge Volume	2.45	gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using ~~Horiba~~ YSI PRO DDS / PRO ODO

Parameter	Units	Readings						
Time	24 hr	12:35	1240	12:45	1250	1255	13:00	13:05
Water Level (0.33)	feet	6.80	6.80	6.80	6.80	6.85	6.80	6.80
Volume Purged	~~gal~~ L	0	0.50	1.00	1.60	2.45	3.25	4.0
Flow Rate	mL/min	60	60	60	60	60	60	60
Turbidity (+/- 10%)	NTU	29.3	28.4	30.1	14.1	7.1	6.9	6.1
Dissolved Oxygen (+/- 10%)	%	9.5	5.5	3.5	0.90	0.10	0.0	-1.0
Dissolved Oxygen (+/- 10%)	mg/L	0.90	0.55	0.35	0.09	0.01	0.00	-0.1
Eh / ORP (+/- 10)	MeV	-15.1	-31.5	-75.4	-123.4	-135.7	-140.2	-143.2
Specific Conductivity (+/- 3%)	mS/cm^c	0.605	0.620	0.932	1.769	1.919	1.927	1.927
Conductivity (+/- 3%)	mS/cm	0.412	0.421	0.643	1.216	1.322	1.327	1.329
pH (+/- 0.1)	pH unit	6.63	6.53	6.39	6.33	6.32	6.32	6.32
Temp (+/- 0.5)	C°	8.2	8.1	8.5	8.60	8.70	8.7	8.70
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	NO	No	No	No	NO	NO	NO

Comments: Persulfate: 3.5 ppm

Sampled @ 1305

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information
Client Contact: Mr. Chris French
Company: AECOM, Inc.
Address: 40 British American Blvd
City: Latham
State, Zip: NY, 12110
Phone: 518-402-9625(Tel)
Email: chris.french@aecom.com
Project Name: Korkay, Inc. #518014
Site:

Sampler: RM
Phone: 518 951 2200
Due Date Requested:
TAT Requested (days): STD
PO #: Callout 122730
WO #: 60273289.3
Project #: 48005347
SSOW#:

Lab PM: Stone, Judy L
E-Mail: judy.stone@testamericainc.com
Carrier Tracking No(s):

COC No: 480-80092-19690.1
Page: Page 1 of 1
Job #:

Analysis Requested

Preservation Codes:
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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, AA=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 030816	3/8/16	1028	G	Water			✓	✓	✓	7	
DUP-1 030816		-	G	Water			✓	✓	✓	7	
MW-22 030816		1130	G	Water			✓	✓	✓	7	
MW-18 030816		1225	G	Water			✓	✓	✓	7	
ASW 030816		1305	G	Water			✓	✓	✓	7	
MW-23 030816		1345	G	Water			✓	✓	✓	7	
MW-21 030816		1425	G	Water			✓	✓	✓	7	
TRIP BLANK	-	-	-	Water			✓			3	

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:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Ross McCurdy	3-8-16 1540	AECOM			
Relinquished by:			Received by:		
Relinquished by:			Received by:		

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

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: 480-96279-1
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:
3/21/2016 5:16:33 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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

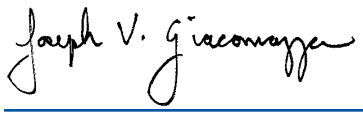
Visit us at: www.testamericainc.com

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

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

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

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



Joe Giacomazza
Project Management Assistant II
3/21/2016 5:16:33 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
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
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: 480-96279-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96279-1

Receipt
The samples were received on 3/10/2016 12:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.4º C and 1.6º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-290431 recovered outside control limits for the following analyte: 1,1-Dichloroethene. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: MW-17 030816 (480-96279-1), DUP-1 030816 (480-96279-2), MW-22 030816 (480-96279-3), MW-18 030816 (480-96279-4), ASW 030816 (480-96279-5), MW-23 030816 (480-96279-6), MW-21 030816 (480-96279-7) and TRIP BLANK (480-96279-8).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-290431 recovered above the upper control limit for Cyclohexane, 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene, 1,1-Dichloropropene, Carbon tetrachloride, Tetrachloroethene and Trichlorofluoromethane . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-17 030816 (480-96279-1), DUP-1 030816 (480-96279-2), MW-22 030816 (480-96279-3), MW-18 030816 (480-96279-4), ASW 030816 (480-96279-5), MW-23 030816 (480-96279-6), MW-21 030816 (480-96279-7) and TRIP BLANK (480-96279-8).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: ASW 030816 (480-96279-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples was diluted due to foaming at the time of purging during the original sample analysis: MW-17 030816 (480-96279-1), DUP-1 030816 (480-96279-2), MW-18 030816 (480-96279-4) and MW-23 030816 (480-96279-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-22 030816 (480-96279-3). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-291098 recovered above the upper control limit for 3,3'-Dichlorobenzidine, 4-Nitrophenol, Di-n-octyl phthalate and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-17 030816 (480-96279-1), DUP-1 030816 (480-96279-2), MW-22 030816 (480-96279-3), MW-18 030816 (480-96279-4), ASW 030816 (480-96279-5), MW-23 030816 (480-96279-6) and MW-21 030816 (480-96279-7).

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-22 030816 (480-96279-3), ASW 030816 (480-96279-5) and MW-23 030816 (480-96279-6). These results have been reported and qualified.

Method(s) 8270D: Surrogate recovery for the following sample was outside control limits: MW-17 030816 (480-96279-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: MW-23 030816 (480-96279-6). Elevated reporting limits (RLs) are provided. The associated sample is being reanalyzed at a dilution for target compounds over calibration range.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-291293 recovered above the upper control limit for Di-n-octyl phthalate and Hexachlorobutadiene . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: ASW 030816 (480-96279-5) and MW-23 030816 (480-96279-6).

Job ID: 480-96279-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) 8270D: The continuing calibration verification (CCV) analyzed in batch 480-291293 was outside the method criteria for the following analyte: Pentachlorophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8270D: The following samples required a dilution due to the nature of the sample matrix: ASW 030816 (480-96279-5) and MW-23 030816 (480-96279-6). 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: The following samples were diluted to bring the concentration of target analytes within the calibration range: ASW 030816 (480-96279-5) and MW-23 030816 (480-96279-6). 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 Semi VOA

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: DUP-1 030816 (480-96279-2), MW-22 030816 (480-96279-3), MW-18 030816 (480-96279-4) and MW-21 030816 (480-96279-7). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The following samples were diluted due to the nature of the sample matrix: MW-17 030816 (480-96279-1), ASW 030816 (480-96279-5) and MW-23 030816 (480-96279-6). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8081B: The closing continuing calibration verification (CCV) standard failed to meet acceptance limits. The associated samples were re-analyzed following a successful CCV and produced similar results, indicating that the sample matrix is adversely affecting the instrument and causing the failures.

Method(s) 8081B: The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for preparation batch 480-290429 recovered outside control limits for the following analyte: 4,4'-DDD

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 290425.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 290429.

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: 480-96279-1

Client Sample ID: MW-17 030816
Date Collected: 03/08/16 10:28
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-1
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		10	3.5	ug/L			03/10/16 15:59	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/10/16 15:59	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/10/16 15:59	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			03/10/16 15:59	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/10/16 15:59	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/10/16 15:59	10
1,1-Dichloroethene	ND	*	10	2.9	ug/L			03/10/16 15:59	10
1,1-Dichloropropene	ND		10	7.2	ug/L			03/10/16 15:59	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			03/10/16 15:59	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			03/10/16 15:59	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			03/10/16 15:59	10
1,2,4-Trimethylbenzene	**61**		10	7.5	ug/L			03/10/16 15:59	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/10/16 15:59	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/10/16 15:59	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			03/10/16 15:59	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/10/16 15:59	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/10/16 15:59	10
1,3,5-Trimethylbenzene	**54**		10	7.7	ug/L			03/10/16 15:59	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			03/10/16 15:59	10
1,3-Dichloropropane	ND		10	7.5	ug/L			03/10/16 15:59	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			03/10/16 15:59	10
2,2-Dichloropropane	ND		10	4.0	ug/L			03/10/16 15:59	10
2-Butanone (MEK)	ND		100	13	ug/L			03/10/16 15:59	10
2-Chlorotoluene	ND		10	8.6	ug/L			03/10/16 15:59	10
2-Hexanone	ND		50	12	ug/L			03/10/16 15:59	10
4-Chlorotoluene	ND		10	8.4	ug/L			03/10/16 15:59	10
4-Isopropyltoluene	**6.6**	**J**	10	3.1	ug/L			03/10/16 15:59	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/10/16 15:59	10
Acetone	ND		100	30	ug/L			03/10/16 15:59	10
Benzene	ND		10	4.1	ug/L			03/10/16 15:59	10
Bromobenzene	ND		10	8.0	ug/L			03/10/16 15:59	10
Bromodichloromethane	ND		10	3.9	ug/L			03/10/16 15:59	10
Bromoform	ND		10	2.6	ug/L			03/10/16 15:59	10
Bromomethane	ND		10	6.9	ug/L			03/10/16 15:59	10
Carbon disulfide	**2.7**	**J**	10	1.9	ug/L			03/10/16 15:59	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/10/16 15:59	10
Chlorobenzene	ND		10	7.5	ug/L			03/10/16 15:59	10
Chlorobromomethane	ND		10	8.7	ug/L			03/10/16 15:59	10
Chloroethane	ND		10	3.2	ug/L			03/10/16 15:59	10
Chloroform	ND		10	3.4	ug/L			03/10/16 15:59	10
Chloromethane	ND		10	3.5	ug/L			03/10/16 15:59	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			03/10/16 15:59	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/10/16 15:59	10
Cyclohexane	ND		10	1.8	ug/L			03/10/16 15:59	10
Dibromochloromethane	ND		10	3.2	ug/L			03/10/16 15:59	10
Dibromomethane	ND		10	4.1	ug/L			03/10/16 15:59	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			03/10/16 15:59	10
Ethylbenzene	ND		10	7.4	ug/L			03/10/16 15:59	10
Hexachlorobutadiene	ND		10	2.8	ug/L			03/10/16 15:59	10

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-17 030816
Date Collected: 03/08/16 10:28
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		10	3.0	ug/L			03/10/16 15:59	10
Isopropylbenzene	ND		10	7.9	ug/L			03/10/16 15:59	10
m,p-Xylene	ND		20	6.6	ug/L			03/10/16 15:59	10
Methyl acetate	ND		25	13	ug/L			03/10/16 15:59	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/10/16 15:59	10
Methylcyclohexane	ND		10	1.6	ug/L			03/10/16 15:59	10
Methylene Chloride	**5.7**	**J**	10	4.4	ug/L			03/10/16 15:59	10
Naphthalene	**6.9**	**J**	10	4.3	ug/L			03/10/16 15:59	10
n-Butylbenzene	ND		10	6.4	ug/L			03/10/16 15:59	10
N-Propylbenzene	ND		10	6.9	ug/L			03/10/16 15:59	10
o-Xylene	**11**		10	7.6	ug/L			03/10/16 15:59	10
sec-Butylbenzene	ND		10	7.5	ug/L			03/10/16 15:59	10
Styrene	ND		10	7.3	ug/L			03/10/16 15:59	10
tert-Butylbenzene	ND		10	8.1	ug/L			03/10/16 15:59	10
Tetrachloroethene	ND		10	3.6	ug/L			03/10/16 15:59	10
Toluene	ND		10	5.1	ug/L			03/10/16 15:59	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/10/16 15:59	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/10/16 15:59	10
Trichloroethene	ND		10	4.6	ug/L			03/10/16 15:59	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/10/16 15:59	10
Vinyl acetate	ND		50	8.5	ug/L			03/10/16 15:59	10
Vinyl chloride	ND		10	9.0	ug/L			03/10/16 15:59	10
Xylenes, Total	**11**	**J**	20	6.6	ug/L			03/10/16 15:59	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/10/16 15:59*	*10*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/10/16 15:59*	*10*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*03/10/16 15:59*	*10*
Toluene-d8 (Surr)	*103*		*71 - 126*		*03/10/16 15:59*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.62	ug/L		03/10/16 07:58	03/15/16 18:08	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,4,6-Trichlorophenol	ND		4.7	0.58	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,4-Dinitrophenol	ND		9.4	2.1	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		03/10/16 07:58	03/15/16 18:08	1
2,6-Dinitrotoluene	ND		4.7	0.38	ug/L		03/10/16 07:58	03/15/16 18:08	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		03/10/16 07:58	03/15/16 18:08	1
2-Chlorophenol	ND		4.7	0.50	ug/L		03/10/16 07:58	03/15/16 18:08	1
2-Methylphenol	ND		4.7	0.38	ug/L		03/10/16 07:58	03/15/16 18:08	1
2-Methylnaphthalene	ND		4.7	0.57	ug/L		03/10/16 07:58	03/15/16 18:08	1
2-Nitroaniline	ND		9.4	0.40	ug/L		03/10/16 07:58	03/15/16 18:08	1
2-Nitrophenol	ND		4.7	0.45	ug/L		03/10/16 07:58	03/15/16 18:08	1
3,3'-Dichlorobenzidine	ND		4.7	0.38	ug/L		03/10/16 07:58	03/15/16 18:08	1
3-Nitroaniline	ND		9.4	0.45	ug/L		03/10/16 07:58	03/15/16 18:08	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		03/10/16 07:58	03/15/16 18:08	1

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-17 030816
Date Collected: 03/08/16 10:28
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-1
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		4.7	0.42	ug/L		03/10/16 07:58	03/15/16 18:08	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		03/10/16 07:58	03/15/16 18:08	1
4-Chloroaniline	ND		4.7	0.56	ug/L		03/10/16 07:58	03/15/16 18:08	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:08	1
4-Methylphenol	**7.4**	**J**	9.4	0.34	ug/L		03/10/16 07:58	03/15/16 18:08	1
4-Nitroaniline	ND		9.4	0.24	ug/L		03/10/16 07:58	03/15/16 18:08	1
4-Nitrophenol	ND		9.4	1.4	ug/L		03/10/16 07:58	03/15/16 18:08	1
Acenaphthene	ND		4.7	0.39	ug/L		03/10/16 07:58	03/15/16 18:08	1
Acenaphthylene	ND		4.7	0.36	ug/L		03/10/16 07:58	03/15/16 18:08	1
Acetophenone	ND		4.7	0.51	ug/L		03/10/16 07:58	03/15/16 18:08	1
Anthracene	ND		4.7	0.26	ug/L		03/10/16 07:58	03/15/16 18:08	1
Atrazine	ND		4.7	0.43	ug/L		03/10/16 07:58	03/15/16 18:08	1
Benzaldehyde	ND		4.7	0.25	ug/L		03/10/16 07:58	03/15/16 18:08	1
Benzo(a)anthracene	ND		4.7	0.34	ug/L		03/10/16 07:58	03/15/16 18:08	1
Benzo(a)pyrene	ND		4.7	0.44	ug/L		03/10/16 07:58	03/15/16 18:08	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		03/10/16 07:58	03/15/16 18:08	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:08	1
Benzo(k)fluoranthene	ND		4.7	0.69	ug/L		03/10/16 07:58	03/15/16 18:08	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:08	1
Bis(2-chloroethyl)ether	ND		4.7	0.38	ug/L		03/10/16 07:58	03/15/16 18:08	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		03/10/16 07:58	03/15/16 18:08	1
Butyl benzyl phthalate	ND		4.7	0.40	ug/L		03/10/16 07:58	03/15/16 18:08	1
Caprolactam	ND		4.7	2.1	ug/L		03/10/16 07:58	03/15/16 18:08	1
Carbazole	ND		4.7	0.28	ug/L		03/10/16 07:58	03/15/16 18:08	1
Chrysene	ND		4.7	0.31	ug/L		03/10/16 07:58	03/15/16 18:08	1
Dibenz(a,h)anthracene	ND		4.7	0.40	ug/L		03/10/16 07:58	03/15/16 18:08	1
Di-n-butyl phthalate	**0.44**	**J**	4.7	0.29	ug/L		03/10/16 07:58	03/15/16 18:08	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		03/10/16 07:58	03/15/16 18:08	1
Dibenzofuran	ND		9.4	0.48	ug/L		03/10/16 07:58	03/15/16 18:08	1
Diethyl phthalate	ND		4.7	0.21	ug/L		03/10/16 07:58	03/15/16 18:08	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		03/10/16 07:58	03/15/16 18:08	1
Fluoranthene	ND		4.7	0.38	ug/L		03/10/16 07:58	03/15/16 18:08	1
Fluorene	ND		4.7	0.34	ug/L		03/10/16 07:58	03/15/16 18:08	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		03/10/16 07:58	03/15/16 18:08	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		03/10/16 07:58	03/15/16 18:08	1
Hexachlorocyclopentadiene	ND		4.7	0.56	ug/L		03/10/16 07:58	03/15/16 18:08	1
Hexachloroethane	ND		4.7	0.56	ug/L		03/10/16 07:58	03/15/16 18:08	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		03/10/16 07:58	03/15/16 18:08	1
Isophorone	ND		4.7	0.41	ug/L		03/10/16 07:58	03/15/16 18:08	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		03/10/16 07:58	03/15/16 18:08	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		03/10/16 07:58	03/15/16 18:08	1
Naphthalene	**4.8**		4.7	0.72	ug/L		03/10/16 07:58	03/15/16 18:08	1
Nitrobenzene	ND		4.7	0.27	ug/L		03/10/16 07:58	03/15/16 18:08	1
Pentachlorophenol	ND		9.4	2.1	ug/L		03/10/16 07:58	03/15/16 18:08	1
Phenanthrene	ND		4.7	0.41	ug/L		03/10/16 07:58	03/15/16 18:08	1
Phenol	ND		4.7	0.37	ug/L		03/10/16 07:58	03/15/16 18:08	1
Pyrene	ND		4.7	0.32	ug/L		03/10/16 07:58	03/15/16 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*46 - 120*	*03/10/16 07:58*	*03/15/16 18:08*	*1*

Client Sample ID: MW-17 030816
Date Collected: 03/08/16 10:28
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-1
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*30*		*16 - 120*	*03/10/16 07:58*	*03/15/16 18:08*	*1*
p-Terphenyl-d14	*47*	*X*	*67 - 150*	*03/10/16 07:58*	*03/15/16 18:08*	*1*
2,4,6-Tribromophenol	*118*		*52 - 132*	*03/10/16 07:58*	*03/15/16 18:08*	*1*
2-Fluorobiphenyl	*44*	*X*	*48 - 120*	*03/10/16 07:58*	*03/15/16 18:08*	*1*
2-Fluorophenol	*51*		*20 - 120*	*03/10/16 07:58*	*03/15/16 18:08*	*1*

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		03/10/16 08:03	03/17/16 09:01	10
4,4'-DDE	ND	*	0.49	0.11	ug/L		03/10/16 08:03	03/17/16 09:01	10
4,4'-DDT	ND		0.49	0.11	ug/L		03/10/16 08:03	03/17/16 09:01	10
Aldrin	ND		0.49	0.079	ug/L		03/10/16 08:03	03/17/16 09:01	10
alpha-BHC	ND		0.49	0.075	ug/L		03/10/16 08:03	03/17/16 09:01	10
alpha-Chlordane	ND		0.49	0.14	ug/L		03/10/16 08:03	03/17/16 09:01	10
beta-BHC	ND		0.49	0.24	ug/L		03/10/16 08:03	03/17/16 09:01	10
delta-BHC	**0.16**	**J**	0.49	0.098	ug/L		03/10/16 08:03	03/17/16 09:01	10
Dieldrin	ND		0.49	0.096	ug/L		03/10/16 08:03	03/17/16 09:01	10
Endosulfan I	ND		0.49	0.11	ug/L		03/10/16 08:03	03/17/16 09:01	10
Endosulfan II	ND		0.49	0.12	ug/L		03/10/16 08:03	03/17/16 09:01	10
Endosulfan sulfate	ND		0.49	0.15	ug/L		03/10/16 08:03	03/17/16 09:01	10
Endrin	ND		0.49	0.14	ug/L		03/10/16 08:03	03/17/16 09:01	10
Endrin aldehyde	ND		0.49	0.16	ug/L		03/10/16 08:03	03/17/16 09:01	10
Endrin ketone	ND		0.49	0.12	ug/L		03/10/16 08:03	03/17/16 09:01	10
gamma-BHC (Lindane)	**0.11**	**J B**	0.49	0.078	ug/L		03/10/16 08:03	03/17/16 09:01	10
gamma-Chlordane	ND		0.49	0.11	ug/L		03/10/16 08:03	03/17/16 09:01	10
Heptachlor	ND		0.49	0.083	ug/L		03/10/16 08:03	03/17/16 09:01	10
Heptachlor epoxide	ND		0.49	0.072	ug/L		03/10/16 08:03	03/17/16 09:01	10
Methoxychlor	ND		0.49	0.14	ug/L		03/10/16 08:03	03/17/16 09:01	10
Toxaphene	ND		4.9	1.2	ug/L		03/10/16 08:03	03/17/16 09:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*58*		*20 - 120*	*03/10/16 08:03*	*03/17/16 09:01*	*10*
Tetrachloro-m-xylene	*112*		*36 - 120*	*03/10/16 08:03*	*03/17/16 09:01*	*10*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: DUP-1 030816
Date Collected: 03/08/16 00:00
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-2
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		5.0	1.8	ug/L			03/10/16 16:24	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			03/10/16 16:24	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/10/16 16:24	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			03/10/16 16:24	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/10/16 16:24	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			03/10/16 16:24	5
1,1-Dichloroethene	ND	*	5.0	1.5	ug/L			03/10/16 16:24	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			03/10/16 16:24	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			03/10/16 16:24	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			03/10/16 16:24	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			03/10/16 16:24	5
1,2,4-Trimethylbenzene	**13**		5.0	3.8	ug/L			03/10/16 16:24	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			03/10/16 16:24	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			03/10/16 16:24	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			03/10/16 16:24	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/10/16 16:24	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/10/16 16:24	5
1,3,5-Trimethylbenzene	**16**		5.0	3.9	ug/L			03/10/16 16:24	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			03/10/16 16:24	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			03/10/16 16:24	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			03/10/16 16:24	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			03/10/16 16:24	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/10/16 16:24	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			03/10/16 16:24	5
2-Hexanone	ND		25	6.2	ug/L			03/10/16 16:24	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			03/10/16 16:24	5
4-Isopropyltoluene	**5.1**		5.0	1.6	ug/L			03/10/16 16:24	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/10/16 16:24	5
Acetone	ND		50	15	ug/L			03/10/16 16:24	5
Benzene	ND		5.0	2.1	ug/L			03/10/16 16:24	5
Bromobenzene	ND		5.0	4.0	ug/L			03/10/16 16:24	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/10/16 16:24	5
Bromoform	ND		5.0	1.3	ug/L			03/10/16 16:24	5
Bromomethane	ND		5.0	3.5	ug/L			03/10/16 16:24	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/10/16 16:24	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/10/16 16:24	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/10/16 16:24	5
Chlorobromomethane	ND		5.0	4.4	ug/L			03/10/16 16:24	5
Chloroethane	ND		5.0	1.6	ug/L			03/10/16 16:24	5
Chloroform	ND		5.0	1.7	ug/L			03/10/16 16:24	5
Chloromethane	ND		5.0	1.8	ug/L			03/10/16 16:24	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			03/10/16 16:24	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/10/16 16:24	5
Cyclohexane	ND		5.0	0.90	ug/L			03/10/16 16:24	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/10/16 16:24	5
Dibromomethane	ND		5.0	2.1	ug/L			03/10/16 16:24	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			03/10/16 16:24	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/10/16 16:24	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			03/10/16 16:24	5

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: DUP-1 030816
Date Collected: 03/08/16 00:00
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			03/10/16 16:24	5
Isopropylbenzene	ND		5.0	4.0	ug/L			03/10/16 16:24	5
m,p-Xylene	ND		10	3.3	ug/L			03/10/16 16:24	5
Methyl acetate	ND		13	6.5	ug/L			03/10/16 16:24	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			03/10/16 16:24	5
Methylcyclohexane	ND		5.0	0.80	ug/L			03/10/16 16:24	5
Methylene Chloride	**3.7**	**J**	5.0	2.2	ug/L			03/10/16 16:24	5
Naphthalene	ND		5.0	2.2	ug/L			03/10/16 16:24	5
n-Butylbenzene	**3.5**	**J**	5.0	3.2	ug/L			03/10/16 16:24	5
N-Propylbenzene	ND		5.0	3.5	ug/L			03/10/16 16:24	5
o-Xylene	ND		5.0	3.8	ug/L			03/10/16 16:24	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			03/10/16 16:24	5
Styrene	ND		5.0	3.7	ug/L			03/10/16 16:24	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			03/10/16 16:24	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/10/16 16:24	5
Toluene	ND		5.0	2.6	ug/L			03/10/16 16:24	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/10/16 16:24	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/10/16 16:24	5
Trichloroethene	ND		5.0	2.3	ug/L			03/10/16 16:24	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			03/10/16 16:24	5
Vinyl acetate	ND		25	4.3	ug/L			03/10/16 16:24	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/10/16 16:24	5
Xylenes, Total	ND		10	3.3	ug/L			03/10/16 16:24	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*03/10/16 16:24*	*5*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*03/10/16 16:24*	*5*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*03/10/16 16:24*	*5*
Toluene-d8 (Surr)	*104*		*71 - 126*		*03/10/16 16:24*	*5*

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		03/10/16 07:58	03/15/16 18:38	1
bis (2-chloroisopropyl) ether	ND		4.7	0.48	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,4-Dichlorophenol	ND		4.7	0.47	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,4-Dimethylphenol	ND		4.7	0.47	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,4-Dinitrophenol	ND		9.3	2.1	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		03/10/16 07:58	03/15/16 18:38	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		03/10/16 07:58	03/15/16 18:38	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		03/10/16 07:58	03/15/16 18:38	1
2-Chlorophenol	ND		4.7	0.49	ug/L		03/10/16 07:58	03/15/16 18:38	1
2-Methylphenol	ND		4.7	0.37	ug/L		03/10/16 07:58	03/15/16 18:38	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		03/10/16 07:58	03/15/16 18:38	1
2-Nitroaniline	ND		9.3	0.39	ug/L		03/10/16 07:58	03/15/16 18:38	1
2-Nitrophenol	ND		4.7	0.45	ug/L		03/10/16 07:58	03/15/16 18:38	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		03/10/16 07:58	03/15/16 18:38	1
3-Nitroaniline	ND		9.3	0.45	ug/L		03/10/16 07:58	03/15/16 18:38	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		03/10/16 07:58	03/15/16 18:38	1

Client Sample ID: DUP-1 030816
Date Collected: 03/08/16 00:00
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-2
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		4.7	0.42	ug/L		03/10/16 07:58	03/15/16 18:38	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		03/10/16 07:58	03/15/16 18:38	1
4-Chloroaniline	ND		4.7	0.55	ug/L		03/10/16 07:58	03/15/16 18:38	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
4-Methylphenol	ND		9.3	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
4-Nitroaniline	ND		9.3	0.23	ug/L		03/10/16 07:58	03/15/16 18:38	1
4-Nitrophenol	ND		9.3	1.4	ug/L		03/10/16 07:58	03/15/16 18:38	1
Acenaphthene	ND		4.7	0.38	ug/L		03/10/16 07:58	03/15/16 18:38	1
Acenaphthylene	ND		4.7	0.35	ug/L		03/10/16 07:58	03/15/16 18:38	1
Acetophenone	ND		4.7	0.50	ug/L		03/10/16 07:58	03/15/16 18:38	1
Anthracene	ND		4.7	0.26	ug/L		03/10/16 07:58	03/15/16 18:38	1
Atrazine	ND		4.7	0.43	ug/L		03/10/16 07:58	03/15/16 18:38	1
Benzaldehyde	ND		4.7	0.25	ug/L		03/10/16 07:58	03/15/16 18:38	1
Benzo(a)anthracene	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
Benzo(a)pyrene	ND		4.7	0.44	ug/L		03/10/16 07:58	03/15/16 18:38	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		03/10/16 07:58	03/15/16 18:38	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
Benzo(k)fluoranthene	ND		4.7	0.68	ug/L		03/10/16 07:58	03/15/16 18:38	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		03/10/16 07:58	03/15/16 18:38	1
Bis(2-ethylhexyl) phthalate	ND		4.7	1.7	ug/L		03/10/16 07:58	03/15/16 18:38	1
Butyl benzyl phthalate	**0.55**	**J B**	4.7	0.39	ug/L		03/10/16 07:58	03/15/16 18:38	1
Caprolactam	ND		4.7	2.0	ug/L		03/10/16 07:58	03/15/16 18:38	1
Carbazole	ND		4.7	0.28	ug/L		03/10/16 07:58	03/15/16 18:38	1
Chrysene	ND		4.7	0.31	ug/L		03/10/16 07:58	03/15/16 18:38	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		03/10/16 07:58	03/15/16 18:38	1
Di-n-butyl phthalate	**1.2**	**J**	4.7	0.29	ug/L		03/10/16 07:58	03/15/16 18:38	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		03/10/16 07:58	03/15/16 18:38	1
Dibenzofuran	ND		9.3	0.47	ug/L		03/10/16 07:58	03/15/16 18:38	1
Diethyl phthalate	**0.87**	**J**	4.7	0.20	ug/L		03/10/16 07:58	03/15/16 18:38	1
Dimethyl phthalate	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
Fluoranthene	ND		4.7	0.37	ug/L		03/10/16 07:58	03/15/16 18:38	1
Fluorene	ND		4.7	0.33	ug/L		03/10/16 07:58	03/15/16 18:38	1
Hexachlorobenzene	ND		4.7	0.47	ug/L		03/10/16 07:58	03/15/16 18:38	1
Hexachlorobutadiene	ND		4.7	0.63	ug/L		03/10/16 07:58	03/15/16 18:38	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		03/10/16 07:58	03/15/16 18:38	1
Hexachloroethane	ND		4.7	0.55	ug/L		03/10/16 07:58	03/15/16 18:38	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		03/10/16 07:58	03/15/16 18:38	1
Isophorone	ND		4.7	0.40	ug/L		03/10/16 07:58	03/15/16 18:38	1
N-Nitrosodi-n-propylamine	ND		4.7	0.50	ug/L		03/10/16 07:58	03/15/16 18:38	1
N-Nitrosodiphenylamine	ND		4.7	0.47	ug/L		03/10/16 07:58	03/15/16 18:38	1
Naphthalene	**0.73**	**J**	4.7	0.71	ug/L		03/10/16 07:58	03/15/16 18:38	1
Nitrobenzene	ND		4.7	0.27	ug/L		03/10/16 07:58	03/15/16 18:38	1
Pentachlorophenol	ND		9.3	2.0	ug/L		03/10/16 07:58	03/15/16 18:38	1
Phenanthrene	ND		4.7	0.41	ug/L		03/10/16 07:58	03/15/16 18:38	1
Phenol	ND		4.7	0.36	ug/L		03/10/16 07:58	03/15/16 18:38	1
Pyrene	ND		4.7	0.32	ug/L		03/10/16 07:58	03/15/16 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*82*		*46 - 120*	*03/10/16 07:58*	*03/15/16 18:38*	*1*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: DUP-1 030816
Date Collected: 03/08/16 00:00
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-2
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	31		16 - 120	03/10/16 07:58	03/15/16 18:38	1
p-Terphenyl-d14	73		67 - 150	03/10/16 07:58	03/15/16 18:38	1
2,4,6-Tribromophenol	115		52 - 132	03/10/16 07:58	03/15/16 18:38	1
2-Fluorobiphenyl	79		48 - 120	03/10/16 07:58	03/15/16 18:38	1
2-Fluorophenol	50		20 - 120	03/10/16 07:58	03/15/16 18:38	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.24	0.044	ug/L		03/10/16 08:03	03/17/16 09:18	5
4,4'-DDE	**0.12**	**J ***	0.24	0.055	ug/L		03/10/16 08:03	03/17/16 09:18	5
4,4'-DDT	ND		0.24	0.053	ug/L		03/10/16 08:03	03/17/16 09:18	5
Aldrin	**0.094**	**J**	0.24	0.039	ug/L		03/10/16 08:03	03/17/16 09:18	5
alpha-BHC	ND		0.24	0.037	ug/L		03/10/16 08:03	03/17/16 09:18	5
alpha-Chlordane	**0.63**		0.24	0.071	ug/L		03/10/16 08:03	03/17/16 09:18	5
beta-BHC	ND		0.24	0.12	ug/L		03/10/16 08:03	03/17/16 09:18	5
delta-BHC	**0.10**	**J**	0.24	0.048	ug/L		03/10/16 08:03	03/17/16 09:18	5
Dieldrin	ND		0.24	0.047	ug/L		03/10/16 08:03	03/17/16 09:18	5
Endosulfan I	ND		0.24	0.053	ug/L		03/10/16 08:03	03/17/16 09:18	5
Endosulfan II	ND		0.24	0.057	ug/L		03/10/16 08:03	03/17/16 09:18	5
Endosulfan sulfate	ND		0.24	0.075	ug/L		03/10/16 08:03	03/17/16 09:18	5
Endrin	ND		0.24	0.066	ug/L		03/10/16 08:03	03/17/16 09:18	5
Endrin aldehyde	ND		0.24	0.078	ug/L		03/10/16 08:03	03/17/16 09:18	5
Endrin ketone	ND		0.24	0.057	ug/L		03/10/16 08:03	03/17/16 09:18	5
gamma-BHC (Lindane)	ND		0.24	0.038	ug/L		03/10/16 08:03	03/17/16 09:18	5
gamma-Chlordane	**0.13**	**J**	0.24	0.053	ug/L		03/10/16 08:03	03/17/16 09:18	5
Heptachlor	ND		0.24	0.041	ug/L		03/10/16 08:03	03/17/16 09:18	5
Heptachlor epoxide	ND		0.24	0.035	ug/L		03/10/16 08:03	03/17/16 09:18	5
Methoxychlor	ND		0.24	0.067	ug/L		03/10/16 08:03	03/17/16 09:18	5
Toxaphene	ND		2.4	0.57	ug/L		03/10/16 08:03	03/17/16 09:18	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	37		20 - 120	03/10/16 08:03	03/17/16 09:18	5
Tetrachloro-m-xylene	81		36 - 120	03/10/16 08:03	03/17/16 09:18	5

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-22 030816
Date Collected: 03/08/16 11:30
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-3
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		5.0	1.8	ug/L			03/12/16 03:10	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			03/12/16 03:10	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/12/16 03:10	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			03/12/16 03:10	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/12/16 03:10	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			03/12/16 03:10	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/12/16 03:10	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			03/12/16 03:10	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			03/12/16 03:10	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			03/12/16 03:10	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			03/12/16 03:10	5
1,2,4-Trimethylbenzene	**19**		5.0	3.8	ug/L			03/12/16 03:10	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			03/12/16 03:10	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			03/12/16 03:10	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			03/12/16 03:10	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/12/16 03:10	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/12/16 03:10	5
1,3,5-Trimethylbenzene	**15**		5.0	3.9	ug/L			03/12/16 03:10	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			03/12/16 03:10	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			03/12/16 03:10	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			03/12/16 03:10	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			03/12/16 03:10	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/12/16 03:10	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			03/12/16 03:10	5
2-Hexanone	ND		25	6.2	ug/L			03/12/16 03:10	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			03/12/16 03:10	5
4-Isopropyltoluene	**5.8**		5.0	1.6	ug/L			03/12/16 03:10	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/12/16 03:10	5
Acetone	ND		50	15	ug/L			03/12/16 03:10	5
Benzene	ND		5.0	2.1	ug/L			03/12/16 03:10	5
Bromobenzene	ND		5.0	4.0	ug/L			03/12/16 03:10	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/12/16 03:10	5
Bromoform	ND		5.0	1.3	ug/L			03/12/16 03:10	5
Bromomethane	ND		5.0	3.5	ug/L			03/12/16 03:10	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/12/16 03:10	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/12/16 03:10	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/12/16 03:10	5
Chlorobromomethane	ND		5.0	4.4	ug/L			03/12/16 03:10	5
Chloroethane	ND		5.0	1.6	ug/L			03/12/16 03:10	5
Chloroform	ND		5.0	1.7	ug/L			03/12/16 03:10	5
Chloromethane	ND		5.0	1.8	ug/L			03/12/16 03:10	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			03/12/16 03:10	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/12/16 03:10	5
Cyclohexane	ND		5.0	0.90	ug/L			03/12/16 03:10	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/12/16 03:10	5
Dibromomethane	ND		5.0	2.1	ug/L			03/12/16 03:10	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			03/12/16 03:10	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/12/16 03:10	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			03/12/16 03:10	5

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-22 030816
Date Collected: 03/08/16 11:30
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			03/12/16 03:10	5
Isopropylbenzene	ND		5.0	4.0	ug/L			03/12/16 03:10	5
m,p-Xylene	ND		10	3.3	ug/L			03/12/16 03:10	5
Methyl acetate	ND		13	6.5	ug/L			03/12/16 03:10	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			03/12/16 03:10	5
Methylcyclohexane	ND		5.0	0.80	ug/L			03/12/16 03:10	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/12/16 03:10	5
Naphthalene	**2.8**	**J**	5.0	2.2	ug/L			03/12/16 03:10	5
n-Butylbenzene	**3.3**	**J**	5.0	3.2	ug/L			03/12/16 03:10	5
N-Propylbenzene	ND		5.0	3.5	ug/L			03/12/16 03:10	5
o-Xylene	ND		5.0	3.8	ug/L			03/12/16 03:10	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			03/12/16 03:10	5
Styrene	ND		5.0	3.7	ug/L			03/12/16 03:10	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			03/12/16 03:10	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/12/16 03:10	5
Toluene	ND		5.0	2.6	ug/L			03/12/16 03:10	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/12/16 03:10	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/12/16 03:10	5
Trichloroethene	ND		5.0	2.3	ug/L			03/12/16 03:10	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			03/12/16 03:10	5
Vinyl acetate	ND		25	4.3	ug/L			03/12/16 03:10	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/12/16 03:10	5
Xylenes, Total	ND		10	3.3	ug/L			03/12/16 03:10	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*03/12/16 03:10*	*5*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/12/16 03:10*	*5*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/12/16 03:10*	*5*
Toluene-d8 (Surr)	*97*		*71 - 126*		*03/12/16 03:10*	*5*

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		03/10/16 07:58	03/15/16 19:08	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,4,6-Trichlorophenol	ND		4.8	0.59	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,4-Dinitrophenol	ND		9.7	2.1	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		03/10/16 07:58	03/15/16 19:08	1
2,6-Dinitrotoluene	ND		4.8	0.39	ug/L		03/10/16 07:58	03/15/16 19:08	1
2-Chloronaphthalene	ND		4.8	0.45	ug/L		03/10/16 07:58	03/15/16 19:08	1
2-Chlorophenol	ND		4.8	0.51	ug/L		03/10/16 07:58	03/15/16 19:08	1
2-Methylphenol	ND		4.8	0.39	ug/L		03/10/16 07:58	03/15/16 19:08	1
2-Methylnaphthalene	ND		4.8	0.58	ug/L		03/10/16 07:58	03/15/16 19:08	1
2-Nitroaniline	ND		9.7	0.41	ug/L		03/10/16 07:58	03/15/16 19:08	1
2-Nitrophenol	ND		4.8	0.46	ug/L		03/10/16 07:58	03/15/16 19:08	1
3,3'-Dichlorobenzidine	ND		4.8	0.39	ug/L		03/10/16 07:58	03/15/16 19:08	1
3-Nitroaniline	ND		9.7	0.46	ug/L		03/10/16 07:58	03/15/16 19:08	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		03/10/16 07:58	03/15/16 19:08	1

Client Sample ID: MW-22 030816
Date Collected: 03/08/16 11:30
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-3
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	0.44	ug/L		03/10/16 07:58	03/15/16 19:08	1
4-Chloro-3-methylphenol	ND		4.8	0.44	ug/L		03/10/16 07:58	03/15/16 19:08	1
4-Chloroaniline	ND		4.8	0.57	ug/L		03/10/16 07:58	03/15/16 19:08	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		03/10/16 07:58	03/15/16 19:08	1
4-Methylphenol	ND		9.7	0.35	ug/L		03/10/16 07:58	03/15/16 19:08	1
4-Nitroaniline	ND		9.7	0.24	ug/L		03/10/16 07:58	03/15/16 19:08	1
4-Nitrophenol	ND		9.7	1.5	ug/L		03/10/16 07:58	03/15/16 19:08	1
Acenaphthene	ND		4.8	0.40	ug/L		03/10/16 07:58	03/15/16 19:08	1
Acenaphthylene	ND		4.8	0.37	ug/L		03/10/16 07:58	03/15/16 19:08	1
Acetophenone	ND		4.8	0.52	ug/L		03/10/16 07:58	03/15/16 19:08	1
Anthracene	ND		4.8	0.27	ug/L		03/10/16 07:58	03/15/16 19:08	1
Atrazine	ND		4.8	0.45	ug/L		03/10/16 07:58	03/15/16 19:08	1
Benzaldehyde	ND		4.8	0.26	ug/L		03/10/16 07:58	03/15/16 19:08	1
Benzo(a)anthracene	ND		4.8	0.35	ug/L		03/10/16 07:58	03/15/16 19:08	1
Benzo(a)pyrene	ND		4.8	0.45	ug/L		03/10/16 07:58	03/15/16 19:08	1
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L		03/10/16 07:58	03/15/16 19:08	1
Benzo(g,h,i)perylene	ND		4.8	0.34	ug/L		03/10/16 07:58	03/15/16 19:08	1
Benzo(k)fluoranthene	ND		4.8	0.71	ug/L		03/10/16 07:58	03/15/16 19:08	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		03/10/16 07:58	03/15/16 19:08	1
Bis(2-chloroethyl)ether	ND		4.8	0.39	ug/L		03/10/16 07:58	03/15/16 19:08	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		03/10/16 07:58	03/15/16 19:08	1
Butyl benzyl phthalate	ND		4.8	0.41	ug/L		03/10/16 07:58	03/15/16 19:08	1
Caprolactam	ND		4.8	2.1	ug/L		03/10/16 07:58	03/15/16 19:08	1
Carbazole	ND		4.8	0.29	ug/L		03/10/16 07:58	03/15/16 19:08	1
Chrysene	ND		4.8	0.32	ug/L		03/10/16 07:58	03/15/16 19:08	1
Dibenz(a,h)anthracene	ND		4.8	0.41	ug/L		03/10/16 07:58	03/15/16 19:08	1
Di-n-butyl phthalate	**1.3**	**J**	4.8	0.30	ug/L		03/10/16 07:58	03/15/16 19:08	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		03/10/16 07:58	03/15/16 19:08	1
Dibenzofuran	ND		9.7	0.49	ug/L		03/10/16 07:58	03/15/16 19:08	1
Diethyl phthalate	**0.78**	**J**	4.8	0.21	ug/L		03/10/16 07:58	03/15/16 19:08	1
Dimethyl phthalate	ND		4.8	0.35	ug/L		03/10/16 07:58	03/15/16 19:08	1
Fluoranthene	ND		4.8	0.39	ug/L		03/10/16 07:58	03/15/16 19:08	1
Fluorene	ND		4.8	0.35	ug/L		03/10/16 07:58	03/15/16 19:08	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		03/10/16 07:58	03/15/16 19:08	1
Hexachlorobutadiene	ND		4.8	0.66	ug/L		03/10/16 07:58	03/15/16 19:08	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		03/10/16 07:58	03/15/16 19:08	1
Hexachloroethane	ND		4.8	0.57	ug/L		03/10/16 07:58	03/15/16 19:08	1
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L		03/10/16 07:58	03/15/16 19:08	1
Isophorone	ND		4.8	0.42	ug/L		03/10/16 07:58	03/15/16 19:08	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		03/10/16 07:58	03/15/16 19:08	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		03/10/16 07:58	03/15/16 19:08	1
Naphthalene	ND		4.8	0.74	ug/L		03/10/16 07:58	03/15/16 19:08	1
Nitrobenzene	ND		4.8	0.28	ug/L		03/10/16 07:58	03/15/16 19:08	1
Pentachlorophenol	ND		9.7	2.1	ug/L		03/10/16 07:58	03/15/16 19:08	1
Phenanthrene	ND		4.8	0.43	ug/L		03/10/16 07:58	03/15/16 19:08	1
Phenol	ND		4.8	0.38	ug/L		03/10/16 07:58	03/15/16 19:08	1
Pyrene	ND		4.8	0.33	ug/L		03/10/16 07:58	03/15/16 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*83*		*46 - 120*	*03/10/16 07:58*	*03/15/16 19:08*	*1*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-22 030816
Date Collected: 03/08/16 11:30
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	34		16 - 120	03/10/16 07:58	03/15/16 19:08	1
p-Terphenyl-d14	83		67 - 150	03/10/16 07:58	03/15/16 19:08	1
2,4,6-Tribromophenol	135	X	52 - 132	03/10/16 07:58	03/15/16 19:08	1
2-Fluorobiphenyl	88		48 - 120	03/10/16 07:58	03/15/16 19:08	1
2-Fluorophenol	52		20 - 120	03/10/16 07:58	03/15/16 19:08	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.24	0.045	ug/L		03/10/16 08:03	03/17/16 09:36	5
4,4'-DDE	ND	*	0.24	0.056	ug/L		03/10/16 08:03	03/17/16 09:36	5
4,4'-DDT	ND		0.24	0.053	ug/L		03/10/16 08:03	03/17/16 09:36	5
Aldrin	**0.044**	**J**	0.24	0.039	ug/L		03/10/16 08:03	03/17/16 09:36	5
alpha-BHC	ND		0.24	0.037	ug/L		03/10/16 08:03	03/17/16 09:36	5
alpha-Chlordane	**0.41**		0.24	0.072	ug/L		03/10/16 08:03	03/17/16 09:36	5
beta-BHC	ND		0.24	0.12	ug/L		03/10/16 08:03	03/17/16 09:36	5
delta-BHC	**0.055**	**J**	0.24	0.048	ug/L		03/10/16 08:03	03/17/16 09:36	5
Dieldrin	ND		0.24	0.047	ug/L		03/10/16 08:03	03/17/16 09:36	5
Endosulfan I	ND		0.24	0.053	ug/L		03/10/16 08:03	03/17/16 09:36	5
Endosulfan II	ND		0.24	0.058	ug/L		03/10/16 08:03	03/17/16 09:36	5
Endosulfan sulfate	ND		0.24	0.076	ug/L		03/10/16 08:03	03/17/16 09:36	5
Endrin	ND		0.24	0.067	ug/L		03/10/16 08:03	03/17/16 09:36	5
Endrin aldehyde	ND		0.24	0.079	ug/L		03/10/16 08:03	03/17/16 09:36	5
Endrin ketone	ND		0.24	0.058	ug/L		03/10/16 08:03	03/17/16 09:36	5
gamma-BHC (Lindane)	ND		0.24	0.039	ug/L		03/10/16 08:03	03/17/16 09:36	5
gamma-Chlordane	**0.092**	**J**	0.24	0.053	ug/L		03/10/16 08:03	03/17/16 09:36	5
Heptachlor	ND		0.24	0.041	ug/L		03/10/16 08:03	03/17/16 09:36	5
Heptachlor epoxide	ND		0.24	0.036	ug/L		03/10/16 08:03	03/17/16 09:36	5
Methoxychlor	ND		0.24	0.068	ug/L		03/10/16 08:03	03/17/16 09:36	5
Toxaphene	ND		2.4	0.58	ug/L		03/10/16 08:03	03/17/16 09:36	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	39		20 - 120	03/10/16 08:03	03/17/16 09:36	5
Tetrachloro-m-xylene	78		36 - 120	03/10/16 08:03	03/17/16 09:36	5

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-18 030816
Date Collected: 03/08/16 12:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-4
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		10	3.5	ug/L			03/10/16 17:14	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/10/16 17:14	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/10/16 17:14	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			03/10/16 17:14	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/10/16 17:14	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/10/16 17:14	10
1,1-Dichloroethene	ND	*	10	2.9	ug/L			03/10/16 17:14	10
1,1-Dichloropropene	ND		10	7.2	ug/L			03/10/16 17:14	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			03/10/16 17:14	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			03/10/16 17:14	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			03/10/16 17:14	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			03/10/16 17:14	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/10/16 17:14	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/10/16 17:14	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			03/10/16 17:14	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/10/16 17:14	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/10/16 17:14	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			03/10/16 17:14	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			03/10/16 17:14	10
1,3-Dichloropropane	ND		10	7.5	ug/L			03/10/16 17:14	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			03/10/16 17:14	10
2,2-Dichloropropane	ND		10	4.0	ug/L			03/10/16 17:14	10
2-Butanone (MEK)	ND		100	13	ug/L			03/10/16 17:14	10
2-Chlorotoluene	ND		10	8.6	ug/L			03/10/16 17:14	10
2-Hexanone	ND		50	12	ug/L			03/10/16 17:14	10
4-Chlorotoluene	ND		10	8.4	ug/L			03/10/16 17:14	10
4-Isopropyltoluene	ND		10	3.1	ug/L			03/10/16 17:14	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/10/16 17:14	10
Acetone	ND		100	30	ug/L			03/10/16 17:14	10
Benzene	ND		10	4.1	ug/L			03/10/16 17:14	10
Bromobenzene	ND		10	8.0	ug/L			03/10/16 17:14	10
Bromodichloromethane	ND		10	3.9	ug/L			03/10/16 17:14	10
Bromoform	ND		10	2.6	ug/L			03/10/16 17:14	10
Bromomethane	ND		10	6.9	ug/L			03/10/16 17:14	10
Carbon disulfide	ND		10	1.9	ug/L			03/10/16 17:14	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/10/16 17:14	10
Chlorobenzene	ND		10	7.5	ug/L			03/10/16 17:14	10
Chlorobromomethane	ND		10	8.7	ug/L			03/10/16 17:14	10
Chloroethane	ND		10	3.2	ug/L			03/10/16 17:14	10
Chloroform	ND		10	3.4	ug/L			03/10/16 17:14	10
Chloromethane	ND		10	3.5	ug/L			03/10/16 17:14	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			03/10/16 17:14	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/10/16 17:14	10
Cyclohexane	ND		10	1.8	ug/L			03/10/16 17:14	10
Dibromochloromethane	ND		10	3.2	ug/L			03/10/16 17:14	10
Dibromomethane	ND		10	4.1	ug/L			03/10/16 17:14	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			03/10/16 17:14	10
Ethylbenzene	ND		10	7.4	ug/L			03/10/16 17:14	10
Hexachlorobutadiene	ND		10	2.8	ug/L			03/10/16 17:14	10

Client Sample ID: MW-18 030816
Date Collected: 03/08/16 12:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		10	3.0	ug/L			03/10/16 17:14	10
Isopropylbenzene	ND		10	7.9	ug/L			03/10/16 17:14	10
m,p-Xylene	ND		20	6.6	ug/L			03/10/16 17:14	10
Methyl acetate	ND		25	13	ug/L			03/10/16 17:14	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/10/16 17:14	10
Methylcyclohexane	ND		10	1.6	ug/L			03/10/16 17:14	10
Methylene Chloride	**6.3**	**J**	10	4.4	ug/L			03/10/16 17:14	10
Naphthalene	ND		10	4.3	ug/L			03/10/16 17:14	10
n-Butylbenzene	ND		10	6.4	ug/L			03/10/16 17:14	10
N-Propylbenzene	ND		10	6.9	ug/L			03/10/16 17:14	10
o-Xylene	ND		10	7.6	ug/L			03/10/16 17:14	10
sec-Butylbenzene	ND		10	7.5	ug/L			03/10/16 17:14	10
Styrene	ND		10	7.3	ug/L			03/10/16 17:14	10
tert-Butylbenzene	ND		10	8.1	ug/L			03/10/16 17:14	10
Tetrachloroethene	**3.6**	**J**	10	3.6	ug/L			03/10/16 17:14	10
Toluene	ND		10	5.1	ug/L			03/10/16 17:14	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/10/16 17:14	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/10/16 17:14	10
Trichloroethene	ND		10	4.6	ug/L			03/10/16 17:14	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/10/16 17:14	10
Vinyl acetate	ND		50	8.5	ug/L			03/10/16 17:14	10
Vinyl chloride	ND		10	9.0	ug/L			03/10/16 17:14	10
Xylenes, Total	ND		20	6.6	ug/L			03/10/16 17:14	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*03/10/16 17:14*	*10*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*03/10/16 17:14*	*10*
Dibromofluoromethane (Surr)	*114*		*60 - 140*		*03/10/16 17:14*	*10*
Toluene-d8 (Surr)	*101*		*71 - 126*		*03/10/16 17:14*	*10*

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		03/10/16 07:58	03/15/16 19:38	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,4-Dinitrophenol	ND		9.7	2.2	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,4-Dinitrotoluene	ND		4.9	0.43	ug/L		03/10/16 07:58	03/15/16 19:38	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		03/10/16 07:58	03/15/16 19:38	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		03/10/16 07:58	03/15/16 19:38	1
2-Chlorophenol	ND		4.9	0.52	ug/L		03/10/16 07:58	03/15/16 19:38	1
2-Methylphenol	ND		4.9	0.39	ug/L		03/10/16 07:58	03/15/16 19:38	1
2-Methylnaphthalene	ND		4.9	0.58	ug/L		03/10/16 07:58	03/15/16 19:38	1
2-Nitroaniline	ND		9.7	0.41	ug/L		03/10/16 07:58	03/15/16 19:38	1
2-Nitrophenol	ND		4.9	0.47	ug/L		03/10/16 07:58	03/15/16 19:38	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		03/10/16 07:58	03/15/16 19:38	1
3-Nitroaniline	ND		9.7	0.47	ug/L		03/10/16 07:58	03/15/16 19:38	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		03/10/16 07:58	03/15/16 19:38	1

Client Sample ID: MW-18 030816
Date Collected: 03/08/16 12:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-4
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		4.9	0.44	ug/L		03/10/16 07:58	03/15/16 19:38	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		03/10/16 07:58	03/15/16 19:38	1
4-Chloroaniline	ND		4.9	0.57	ug/L		03/10/16 07:58	03/15/16 19:38	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		03/10/16 07:58	03/15/16 19:38	1
4-Methylphenol	ND		9.7	0.35	ug/L		03/10/16 07:58	03/15/16 19:38	1
4-Nitroaniline	ND		9.7	0.24	ug/L		03/10/16 07:58	03/15/16 19:38	1
4-Nitrophenol	ND		9.7	1.5	ug/L		03/10/16 07:58	03/15/16 19:38	1
Acenaphthene	ND		4.9	0.40	ug/L		03/10/16 07:58	03/15/16 19:38	1
Acenaphthylene	ND		4.9	0.37	ug/L		03/10/16 07:58	03/15/16 19:38	1
Acetophenone	ND		4.9	0.53	ug/L		03/10/16 07:58	03/15/16 19:38	1
Anthracene	ND		4.9	0.27	ug/L		03/10/16 07:58	03/15/16 19:38	1
Atrazine	ND		4.9	0.45	ug/L		03/10/16 07:58	03/15/16 19:38	1
Benzaldehyde	ND		4.9	0.26	ug/L		03/10/16 07:58	03/15/16 19:38	1
Benzo(a)anthracene	ND		4.9	0.35	ug/L		03/10/16 07:58	03/15/16 19:38	1
Benzo(a)pyrene	ND		4.9	0.46	ug/L		03/10/16 07:58	03/15/16 19:38	1
Benzo(b)fluoranthene	ND		4.9	0.33	ug/L		03/10/16 07:58	03/15/16 19:38	1
Benzo(g,h,i)perylene	ND		4.9	0.34	ug/L		03/10/16 07:58	03/15/16 19:38	1
Benzo(k)fluoranthene	ND		4.9	0.71	ug/L		03/10/16 07:58	03/15/16 19:38	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		03/10/16 07:58	03/15/16 19:38	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		03/10/16 07:58	03/15/16 19:38	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		03/10/16 07:58	03/15/16 19:38	1
Butyl benzyl phthalate	**0.52**	**J B**	4.9	0.41	ug/L		03/10/16 07:58	03/15/16 19:38	1
Caprolactam	ND		4.9	2.1	ug/L		03/10/16 07:58	03/15/16 19:38	1
Carbazole	ND		4.9	0.29	ug/L		03/10/16 07:58	03/15/16 19:38	1
Chrysene	ND		4.9	0.32	ug/L		03/10/16 07:58	03/15/16 19:38	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		03/10/16 07:58	03/15/16 19:38	1
Di-n-butyl phthalate	ND		4.9	0.30	ug/L		03/10/16 07:58	03/15/16 19:38	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		03/10/16 07:58	03/15/16 19:38	1
Dibenzofuran	ND		9.7	0.50	ug/L		03/10/16 07:58	03/15/16 19:38	1
Diethyl phthalate	ND		4.9	0.21	ug/L		03/10/16 07:58	03/15/16 19:38	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		03/10/16 07:58	03/15/16 19:38	1
Fluoranthene	ND		4.9	0.39	ug/L		03/10/16 07:58	03/15/16 19:38	1
Fluorene	ND		4.9	0.35	ug/L		03/10/16 07:58	03/15/16 19:38	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		03/10/16 07:58	03/15/16 19:38	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		03/10/16 07:58	03/15/16 19:38	1
Hexachlorocyclopentadiene	ND		4.9	0.57	ug/L		03/10/16 07:58	03/15/16 19:38	1
Hexachloroethane	ND		4.9	0.57	ug/L		03/10/16 07:58	03/15/16 19:38	1
Indeno(1,2,3-cd)pyrene	ND		4.9	0.46	ug/L		03/10/16 07:58	03/15/16 19:38	1
Isophorone	ND		4.9	0.42	ug/L		03/10/16 07:58	03/15/16 19:38	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		03/10/16 07:58	03/15/16 19:38	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		03/10/16 07:58	03/15/16 19:38	1
Naphthalene	**0.78**	**J**	4.9	0.74	ug/L		03/10/16 07:58	03/15/16 19:38	1
Nitrobenzene	ND		4.9	0.28	ug/L		03/10/16 07:58	03/15/16 19:38	1
Pentachlorophenol	ND		9.7	2.1	ug/L		03/10/16 07:58	03/15/16 19:38	1
Phenanthrene	ND		4.9	0.43	ug/L		03/10/16 07:58	03/15/16 19:38	1
Phenol	ND		4.9	0.38	ug/L		03/10/16 07:58	03/15/16 19:38	1
Pyrene	ND		4.9	0.33	ug/L		03/10/16 07:58	03/15/16 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*79*		*46 - 120*	*03/10/16 07:58*	*03/15/16 19:38*	*1*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-18 030816
Date Collected: 03/08/16 12:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	*32*		*16 - 120*	*03/10/16 07:58*	*03/15/16 19:38*	*1*
p-Terphenyl-d14	*69*		*67 - 150*	*03/10/16 07:58*	*03/15/16 19:38*	*1*
2,4,6-Tribromophenol	*115*		*52 - 132*	*03/10/16 07:58*	*03/15/16 19:38*	*1*
2-Fluorobiphenyl	*77*		*48 - 120*	*03/10/16 07:58*	*03/15/16 19:38*	*1*
2-Fluorophenol	*47*		*20 - 120*	*03/10/16 07:58*	*03/15/16 19:38*	*1*

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		03/10/16 08:03	03/17/16 13:31	5
4,4'-DDE	ND	*	0.23	0.054	ug/L		03/10/16 08:03	03/17/16 13:31	5
4,4'-DDT	ND		0.23	0.051	ug/L		03/10/16 08:03	03/17/16 13:31	5
Aldrin	ND		0.23	0.038	ug/L		03/10/16 08:03	03/17/16 13:31	5
alpha-BHC	**0.050**	**J**	0.23	0.036	ug/L		03/10/16 08:03	03/17/16 13:31	5
alpha-Chlordane	ND		0.23	0.069	ug/L		03/10/16 08:03	03/17/16 13:31	5
beta-BHC	ND		0.23	0.11	ug/L		03/10/16 08:03	03/17/16 13:31	5
delta-BHC	**0.057**	**J**	0.23	0.046	ug/L		03/10/16 08:03	03/17/16 13:31	5
Dieldrin	ND		0.23	0.045	ug/L		03/10/16 08:03	03/17/16 13:31	5
Endosulfan I	ND		0.23	0.051	ug/L		03/10/16 08:03	03/17/16 13:31	5
Endosulfan II	ND		0.23	0.056	ug/L		03/10/16 08:03	03/17/16 13:31	5
Endosulfan sulfate	ND		0.23	0.073	ug/L		03/10/16 08:03	03/17/16 13:31	5
Endrin	ND		0.23	0.064	ug/L		03/10/16 08:03	03/17/16 13:31	5
Endrin aldehyde	ND		0.23	0.076	ug/L		03/10/16 08:03	03/17/16 13:31	5
Endrin ketone	ND		0.23	0.056	ug/L		03/10/16 08:03	03/17/16 13:31	5
gamma-BHC (Lindane)	**0.063**	**J B**	0.23	0.037	ug/L		03/10/16 08:03	03/17/16 13:31	5
gamma-Chlordane	ND		0.23	0.051	ug/L		03/10/16 08:03	03/17/16 13:31	5
Heptachlor	ND		0.23	0.039	ug/L		03/10/16 08:03	03/17/16 13:31	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		03/10/16 08:03	03/17/16 13:31	5
Methoxychlor	ND		0.23	0.065	ug/L		03/10/16 08:03	03/17/16 13:31	5
Toxaphene	ND		2.3	0.56	ug/L		03/10/16 08:03	03/17/16 13:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*43*		*20 - 120*	*03/10/16 08:03*	*03/17/16 13:31*	*5*
Tetrachloro-m-xylene	*106*		*36 - 120*	*03/10/16 08:03*	*03/17/16 13:31*	*5*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: ASW 030816
Date Collected: 03/08/16 13:05
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-5
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		20	7.0	ug/L			03/10/16 17:39	20
1,1,1-Trichloroethane	ND		20	16	ug/L			03/10/16 17:39	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			03/10/16 17:39	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			03/10/16 17:39	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/10/16 17:39	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/10/16 17:39	20
1,1-Dichloroethene	ND	*	20	5.8	ug/L			03/10/16 17:39	20
1,1-Dichloropropene	ND		20	14	ug/L			03/10/16 17:39	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			03/10/16 17:39	20
1,2,3-Trichloropropane	ND		20	18	ug/L			03/10/16 17:39	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/10/16 17:39	20
1,2,4-Trimethylbenzene	**880**		20	15	ug/L			03/10/16 17:39	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/10/16 17:39	20
1,2-Dibromoethane	ND		20	15	ug/L			03/10/16 17:39	20
1,2-Dichlorobenzene	**28**		20	16	ug/L			03/10/16 17:39	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/10/16 17:39	20
1,2-Dichloropropane	ND		20	14	ug/L			03/10/16 17:39	20
1,3,5-Trimethylbenzene	**340**		20	15	ug/L			03/10/16 17:39	20
1,3-Dichlorobenzene	ND		20	16	ug/L			03/10/16 17:39	20
1,3-Dichloropropane	ND		20	15	ug/L			03/10/16 17:39	20
1,4-Dichlorobenzene	ND		20	17	ug/L			03/10/16 17:39	20
2,2-Dichloropropane	ND		20	8.0	ug/L			03/10/16 17:39	20
2-Butanone (MEK)	ND		200	26	ug/L			03/10/16 17:39	20
2-Chlorotoluene	ND		20	17	ug/L			03/10/16 17:39	20
2-Hexanone	ND		100	25	ug/L			03/10/16 17:39	20
4-Chlorotoluene	ND		20	17	ug/L			03/10/16 17:39	20
4-Isopropyltoluene	**47**		20	6.2	ug/L			03/10/16 17:39	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			03/10/16 17:39	20
Acetone	**150**	**J**	200	60	ug/L			03/10/16 17:39	20
Benzene	ND		20	8.2	ug/L			03/10/16 17:39	20
Bromobenzene	ND		20	16	ug/L			03/10/16 17:39	20
Bromodichloromethane	ND		20	7.8	ug/L			03/10/16 17:39	20
Bromoform	ND		20	5.2	ug/L			03/10/16 17:39	20
Bromomethane	ND		20	14	ug/L			03/10/16 17:39	20
Carbon disulfide	ND		20	3.8	ug/L			03/10/16 17:39	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/10/16 17:39	20
Chlorobenzene	ND		20	15	ug/L			03/10/16 17:39	20
Chlorobromomethane	ND		20	17	ug/L			03/10/16 17:39	20
Chloroethane	ND		20	6.4	ug/L			03/10/16 17:39	20
Chloroform	ND		20	6.8	ug/L			03/10/16 17:39	20
Chloromethane	**50**		20	7.0	ug/L			03/10/16 17:39	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			03/10/16 17:39	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/10/16 17:39	20
Cyclohexane	ND		20	3.6	ug/L			03/10/16 17:39	20
Dibromochloromethane	ND		20	6.4	ug/L			03/10/16 17:39	20
Dibromomethane	ND		20	8.2	ug/L			03/10/16 17:39	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/10/16 17:39	20
Ethylbenzene	**130**		20	15	ug/L			03/10/16 17:39	20
Hexachlorobutadiene	ND		20	5.6	ug/L			03/10/16 17:39	20

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: ASW 030816
Date Collected: 03/08/16 13:05
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		20	6.0	ug/L			03/10/16 17:39	20
Isopropylbenzene	**43**		20	16	ug/L			03/10/16 17:39	20
m,p-Xylene	**710**		40	13	ug/L			03/10/16 17:39	20
Methyl acetate	ND		50	26	ug/L			03/10/16 17:39	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			03/10/16 17:39	20
Methylcyclohexane	**29**		20	3.2	ug/L			03/10/16 17:39	20
Methylene Chloride	**14**	**J**	20	8.8	ug/L			03/10/16 17:39	20
Naphthalene	**86**		20	8.6	ug/L			03/10/16 17:39	20
n-Butylbenzene	**47**		20	13	ug/L			03/10/16 17:39	20
N-Propylbenzene	**80**		20	14	ug/L			03/10/16 17:39	20
o-Xylene	**410**		20	15	ug/L			03/10/16 17:39	20
sec-Butylbenzene	ND		20	15	ug/L			03/10/16 17:39	20
Styrene	ND		20	15	ug/L			03/10/16 17:39	20
tert-Butylbenzene	ND		20	16	ug/L			03/10/16 17:39	20
Tetrachloroethene	**15**	**J**	20	7.2	ug/L			03/10/16 17:39	20
Toluene	ND		20	10	ug/L			03/10/16 17:39	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/10/16 17:39	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/10/16 17:39	20
Trichloroethene	ND		20	9.2	ug/L			03/10/16 17:39	20
Trichlorofluoromethane	ND		20	18	ug/L			03/10/16 17:39	20
Vinyl acetate	ND		100	17	ug/L			03/10/16 17:39	20
Vinyl chloride	ND		20	18	ug/L			03/10/16 17:39	20
Xylenes, Total	**1100**		40	13	ug/L			03/10/16 17:39	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/10/16 17:39*	*20*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*03/10/16 17:39*	*20*
Dibromofluoromethane (Surr)	*114*		*60 - 140*		*03/10/16 17:39*	*20*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/10/16 17:39*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**2.5**	**J**	5.2	0.67	ug/L		03/10/16 07:58	03/15/16 20:07	1
bis (2-chloroisopropyl) ether	ND		5.2	0.54	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,4,5-Trichlorophenol	ND		5.2	0.50	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,4,6-Trichlorophenol	ND		5.2	0.63	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,4-Dichlorophenol	ND		5.2	0.53	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,4-Dimethylphenol	**10**		5.2	0.52	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,4-Dinitrophenol	ND		10	2.3	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,4-Dinitrotoluene	ND		5.2	0.46	ug/L		03/10/16 07:58	03/15/16 20:07	1
2,6-Dinitrotoluene	ND		5.2	0.41	ug/L		03/10/16 07:58	03/15/16 20:07	1
2-Chloronaphthalene	ND		5.2	0.47	ug/L		03/10/16 07:58	03/15/16 20:07	1
2-Chlorophenol	ND		5.2	0.55	ug/L		03/10/16 07:58	03/15/16 20:07	1
2-Methylphenol	ND		5.2	0.41	ug/L		03/10/16 07:58	03/15/16 20:07	1
2-Methylnaphthalene	**36**		5.2	0.62	ug/L		03/10/16 07:58	03/15/16 20:07	1
2-Nitroaniline	ND		10	0.43	ug/L		03/10/16 07:58	03/15/16 20:07	1
2-Nitrophenol	ND		5.2	0.50	ug/L		03/10/16 07:58	03/15/16 20:07	1
3,3'-Dichlorobenzidine	ND		5.2	0.41	ug/L		03/10/16 07:58	03/15/16 20:07	1
3-Nitroaniline	ND		10	0.50	ug/L		03/10/16 07:58	03/15/16 20:07	1
4,6-Dinitro-2-methylphenol	ND		10	2.3	ug/L		03/10/16 07:58	03/15/16 20:07	1

Client Sample ID: ASW 030816
Date Collected: 03/08/16 13:05
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-5
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		5.2	0.46	ug/L		03/10/16 07:58	03/15/16 20:07	1
4-Chloro-3-methylphenol	ND		5.2	0.46	ug/L		03/10/16 07:58	03/15/16 20:07	1
4-Chloroaniline	ND		5.2	0.61	ug/L		03/10/16 07:58	03/15/16 20:07	1
4-Chlorophenyl phenyl ether	ND		5.2	0.36	ug/L		03/10/16 07:58	03/15/16 20:07	1
4-Methylphenol	**12**		10	0.37	ug/L		03/10/16 07:58	03/15/16 20:07	1
4-Nitroaniline	ND		10	0.26	ug/L		03/10/16 07:58	03/15/16 20:07	1
4-Nitrophenol	ND		10	1.6	ug/L		03/10/16 07:58	03/15/16 20:07	1
Acenaphthene	ND		5.2	0.42	ug/L		03/10/16 07:58	03/15/16 20:07	1
Acenaphthylene	ND		5.2	0.39	ug/L		03/10/16 07:58	03/15/16 20:07	1
Anthracene	ND		5.2	0.29	ug/L		03/10/16 07:58	03/15/16 20:07	1
Atrazine	ND		5.2	0.47	ug/L		03/10/16 07:58	03/15/16 20:07	1
Benzaldehyde	ND		5.2	0.28	ug/L		03/10/16 07:58	03/15/16 20:07	1
Benzo(a)anthracene	ND		5.2	0.37	ug/L		03/10/16 07:58	03/15/16 20:07	1
Benzo(a)pyrene	ND		5.2	0.49	ug/L		03/10/16 07:58	03/15/16 20:07	1
Benzo(b)fluoranthene	ND		5.2	0.35	ug/L		03/10/16 07:58	03/15/16 20:07	1
Benzo(g,h,i)perylene	ND		5.2	0.36	ug/L		03/10/16 07:58	03/15/16 20:07	1
Benzo(k)fluoranthene	ND		5.2	0.75	ug/L		03/10/16 07:58	03/15/16 20:07	1
Bis(2-chloroethoxy)methane	ND		5.2	0.36	ug/L		03/10/16 07:58	03/15/16 20:07	1
Bis(2-chloroethyl)ether	ND		5.2	0.41	ug/L		03/10/16 07:58	03/15/16 20:07	1
Bis(2-ethylhexyl) phthalate	ND		5.2	1.9	ug/L		03/10/16 07:58	03/15/16 20:07	1
Butyl benzyl phthalate	ND		5.2	0.43	ug/L		03/10/16 07:58	03/15/16 20:07	1
Caprolactam	ND		5.2	2.3	ug/L		03/10/16 07:58	03/15/16 20:07	1
Carbazole	ND		5.2	0.31	ug/L		03/10/16 07:58	03/15/16 20:07	1
Chrysene	ND		5.2	0.34	ug/L		03/10/16 07:58	03/15/16 20:07	1
Dibenz(a,h)anthracene	ND		5.2	0.43	ug/L		03/10/16 07:58	03/15/16 20:07	1
Di-n-butyl phthalate	**2.5**	**J**	5.2	0.32	ug/L		03/10/16 07:58	03/15/16 20:07	1
Di-n-octyl phthalate	ND		5.2	0.49	ug/L		03/10/16 07:58	03/15/16 20:07	1
Dibenzofuran	ND		10	0.53	ug/L		03/10/16 07:58	03/15/16 20:07	1
Diethyl phthalate	ND		5.2	0.23	ug/L		03/10/16 07:58	03/15/16 20:07	1
Dimethyl phthalate	ND		5.2	0.37	ug/L		03/10/16 07:58	03/15/16 20:07	1
Fluoranthene	ND		5.2	0.41	ug/L		03/10/16 07:58	03/15/16 20:07	1
Fluorene	**0.59**	**J**	5.2	0.37	ug/L		03/10/16 07:58	03/15/16 20:07	1
Hexachlorobenzene	ND		5.2	0.53	ug/L		03/10/16 07:58	03/15/16 20:07	1
Hexachlorobutadiene	ND		5.2	0.70	ug/L		03/10/16 07:58	03/15/16 20:07	1
Hexachlorocyclopentadiene	ND		5.2	0.61	ug/L		03/10/16 07:58	03/15/16 20:07	1
Hexachloroethane	ND		5.2	0.61	ug/L		03/10/16 07:58	03/15/16 20:07	1
Indeno(1,2,3-cd)pyrene	ND		5.2	0.49	ug/L		03/10/16 07:58	03/15/16 20:07	1
Isophorone	ND		5.2	0.44	ug/L		03/10/16 07:58	03/15/16 20:07	1
N-Nitrosodi-n-propylamine	ND		5.2	0.56	ug/L		03/10/16 07:58	03/15/16 20:07	1
N-Nitrosodiphenylamine	ND		5.2	0.53	ug/L		03/10/16 07:58	03/15/16 20:07	1
Nitrobenzene	ND		5.2	0.30	ug/L		03/10/16 07:58	03/15/16 20:07	1
Pentachlorophenol	ND		10	2.3	ug/L		03/10/16 07:58	03/15/16 20:07	1
Phenanthrene	ND		5.2	0.45	ug/L		03/10/16 07:58	03/15/16 20:07	1
Phenol	ND		5.2	0.40	ug/L		03/10/16 07:58	03/15/16 20:07	1
Pyrene	ND		5.2	0.35	ug/L		03/10/16 07:58	03/15/16 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*77*		*46 - 120*	*03/10/16 07:58*	*03/15/16 20:07*	*1*
Phenol-d5	*36*		*16 - 120*	*03/10/16 07:58*	*03/15/16 20:07*	*1*
p-Terphenyl-d14	*47*	*X*	*67 - 150*	*03/10/16 07:58*	*03/15/16 20:07*	*1*

Client Sample ID: ASW 030816

Date Collected: 03/08/16 13:05
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-5

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	*130*		*52 - 132*	*03/10/16 07:58*	*03/15/16 20:07*	*1*
2-Fluorobiphenyl	*66*		*48 - 120*	*03/10/16 07:58*	*03/15/16 20:07*	*1*
2-Fluorophenol	*48*		*20 - 120*	*03/10/16 07:58*	*03/15/16 20:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	**170**		52	5.6	ug/L		03/10/16 07:58	03/16/16 16:55	10
Naphthalene	**82**		52	7.8	ug/L		03/10/16 07:58	03/16/16 16:55	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*83*		*46 - 120*	*03/10/16 07:58*	*03/16/16 16:55*	*10*
Phenol-d5	*35*		*16 - 120*	*03/10/16 07:58*	*03/16/16 16:55*	*10*
p-Terphenyl-d14	*48*	*X*	*67 - 150*	*03/10/16 07:58*	*03/16/16 16:55*	*10*
2,4,6-Tribromophenol	*109*		*52 - 132*	*03/10/16 07:58*	*03/16/16 16:55*	*10*
2-Fluorobiphenyl	*89*		*48 - 120*	*03/10/16 07:58*	*03/16/16 16:55*	*10*
2-Fluorophenol	*51*		*20 - 120*	*03/10/16 07:58*	*03/16/16 16:55*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.49	0.089	ug/L		03/10/16 08:03	03/17/16 13:49	10
4,4'-DDE	ND	*	0.49	0.11	ug/L		03/10/16 08:03	03/17/16 13:49	10
4,4'-DDT	ND		0.49	0.11	ug/L		03/10/16 08:03	03/17/16 13:49	10
Aldrin	ND		0.49	0.079	ug/L		03/10/16 08:03	03/17/16 13:49	10
alpha-BHC	**0.093**	**J**	0.49	0.075	ug/L		03/10/16 08:03	03/17/16 13:49	10
alpha-Chlordane	ND		0.49	0.14	ug/L		03/10/16 08:03	03/17/16 13:49	10
beta-BHC	ND		0.49	0.24	ug/L		03/10/16 08:03	03/17/16 13:49	10
delta-BHC	**0.14**	**J**	0.49	0.097	ug/L		03/10/16 08:03	03/17/16 13:49	10
Dieldrin	ND		0.49	0.095	ug/L		03/10/16 08:03	03/17/16 13:49	10
Endosulfan I	ND		0.49	0.11	ug/L		03/10/16 08:03	03/17/16 13:49	10
Endosulfan II	ND		0.49	0.12	ug/L		03/10/16 08:03	03/17/16 13:49	10
Endosulfan sulfate	ND		0.49	0.15	ug/L		03/10/16 08:03	03/17/16 13:49	10
Endrin	ND		0.49	0.13	ug/L		03/10/16 08:03	03/17/16 13:49	10
Endrin aldehyde	ND		0.49	0.16	ug/L		03/10/16 08:03	03/17/16 13:49	10
Endrin ketone	ND		0.49	0.12	ug/L		03/10/16 08:03	03/17/16 13:49	10
gamma-BHC (Lindane)	ND		0.49	0.078	ug/L		03/10/16 08:03	03/17/16 13:49	10
gamma-Chlordane	ND		0.49	0.11	ug/L		03/10/16 08:03	03/17/16 13:49	10
Heptachlor	ND		0.49	0.083	ug/L		03/10/16 08:03	03/17/16 13:49	10
Heptachlor epoxide	ND		0.49	0.072	ug/L		03/10/16 08:03	03/17/16 13:49	10
Methoxychlor	ND		0.49	0.14	ug/L		03/10/16 08:03	03/17/16 13:49	10
Toxaphene	ND		4.9	1.2	ug/L		03/10/16 08:03	03/17/16 13:49	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*66*		*20 - 120*	*03/10/16 08:03*	*03/17/16 13:49*	*10*
Tetrachloro-m-xylene	*101*		*36 - 120*	*03/10/16 08:03*	*03/17/16 13:49*	*10*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-23 030816
Date Collected: 03/08/16 13:45
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-6
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		10	3.5	ug/L			03/10/16 18:04	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			03/10/16 18:04	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/10/16 18:04	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			03/10/16 18:04	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/10/16 18:04	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/10/16 18:04	10
1,1-Dichloroethene	ND	*	10	2.9	ug/L			03/10/16 18:04	10
1,1-Dichloropropene	ND		10	7.2	ug/L			03/10/16 18:04	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			03/10/16 18:04	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			03/10/16 18:04	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			03/10/16 18:04	10
1,2,4-Trimethylbenzene	**770**		10	7.5	ug/L			03/10/16 18:04	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			03/10/16 18:04	10
1,2-Dibromoethane	ND		10	7.3	ug/L			03/10/16 18:04	10
1,2-Dichlorobenzene	**47**		10	7.9	ug/L			03/10/16 18:04	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/10/16 18:04	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/10/16 18:04	10
1,3,5-Trimethylbenzene	**260**		10	7.7	ug/L			03/10/16 18:04	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			03/10/16 18:04	10
1,3-Dichloropropane	ND		10	7.5	ug/L			03/10/16 18:04	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			03/10/16 18:04	10
2,2-Dichloropropane	ND		10	4.0	ug/L			03/10/16 18:04	10
2-Butanone (MEK)	**63**	**J**	100	13	ug/L			03/10/16 18:04	10
2-Chlorotoluene	ND		10	8.6	ug/L			03/10/16 18:04	10
2-Hexanone	ND		50	12	ug/L			03/10/16 18:04	10
4-Chlorotoluene	ND		10	8.4	ug/L			03/10/16 18:04	10
4-Isopropyltoluene	**38**		10	3.1	ug/L			03/10/16 18:04	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/10/16 18:04	10
Acetone	**390**		100	30	ug/L			03/10/16 18:04	10
Benzene	ND		10	4.1	ug/L			03/10/16 18:04	10
Bromobenzene	ND		10	8.0	ug/L			03/10/16 18:04	10
Bromodichloromethane	ND		10	3.9	ug/L			03/10/16 18:04	10
Bromoform	ND		10	2.6	ug/L			03/10/16 18:04	10
Bromomethane	ND		10	6.9	ug/L			03/10/16 18:04	10
Carbon disulfide	ND		10	1.9	ug/L			03/10/16 18:04	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/10/16 18:04	10
Chlorobenzene	ND		10	7.5	ug/L			03/10/16 18:04	10
Chlorobromomethane	ND		10	8.7	ug/L			03/10/16 18:04	10
Chloroethane	**27**		10	3.2	ug/L			03/10/16 18:04	10
Chloroform	ND		10	3.4	ug/L			03/10/16 18:04	10
Chloromethane	**120**		10	3.5	ug/L			03/10/16 18:04	10
cis-1,2-Dichloroethene	**9.2**	**J**	10	8.1	ug/L			03/10/16 18:04	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/10/16 18:04	10
Cyclohexane	**7.9**	**J**	10	1.8	ug/L			03/10/16 18:04	10
Dibromochloromethane	ND		10	3.2	ug/L			03/10/16 18:04	10
Dibromomethane	ND		10	4.1	ug/L			03/10/16 18:04	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			03/10/16 18:04	10
Ethylbenzene	**190**		10	7.4	ug/L			03/10/16 18:04	10
Hexachlorobutadiene	ND		10	2.8	ug/L			03/10/16 18:04	10

Client Sample ID: MW-23 030816
Date Collected: 03/08/16 13:45
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		10	3.0	ug/L			03/10/16 18:04	10
Isopropylbenzene	**49**		10	7.9	ug/L			03/10/16 18:04	10
m,p-Xylene	**890**		20	6.6	ug/L			03/10/16 18:04	10
Methyl acetate	ND		25	13	ug/L			03/10/16 18:04	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			03/10/16 18:04	10
Methylcyclohexane	**19**		10	1.6	ug/L			03/10/16 18:04	10
Methylene Chloride	**8.8**	**J**	10	4.4	ug/L			03/10/16 18:04	10
Naphthalene	**120**		10	4.3	ug/L			03/10/16 18:04	10
n-Butylbenzene	**34**		10	6.4	ug/L			03/10/16 18:04	10
N-Propylbenzene	**79**		10	6.9	ug/L			03/10/16 18:04	10
o-Xylene	**440**		10	7.6	ug/L			03/10/16 18:04	10
sec-Butylbenzene	ND		10	7.5	ug/L			03/10/16 18:04	10
Styrene	**13**		10	7.3	ug/L			03/10/16 18:04	10
tert-Butylbenzene	ND		10	8.1	ug/L			03/10/16 18:04	10
Tetrachloroethene	ND		10	3.6	ug/L			03/10/16 18:04	10
Toluene	**12**		10	5.1	ug/L			03/10/16 18:04	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/10/16 18:04	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/10/16 18:04	10
Trichloroethene	ND		10	4.6	ug/L			03/10/16 18:04	10
Trichlorofluoromethane	ND		10	8.8	ug/L			03/10/16 18:04	10
Vinyl acetate	ND		50	8.5	ug/L			03/10/16 18:04	10
Vinyl chloride	ND		10	9.0	ug/L			03/10/16 18:04	10
Xylenes, Total	**1300**		20	6.6	ug/L			03/10/16 18:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*03/10/16 18:04*	*10*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*03/10/16 18:04*	*10*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*03/10/16 18:04*	*10*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/10/16 18:04*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		19	2.5	ug/L		03/10/16 07:58	03/15/16 20:37	4
bis (2-chloroisopropyl) ether	ND		19	2.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,4,5-Trichlorophenol	ND		19	1.9	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,4,6-Trichlorophenol	ND		19	2.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,4-Dichlorophenol	ND		19	2.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,4-Dimethylphenol	**10**	**J**	19	1.9	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,4-Dinitrophenol	ND		39	8.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,4-Dinitrotoluene	ND		19	1.7	ug/L		03/10/16 07:58	03/15/16 20:37	4
2,6-Dinitrotoluene	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
2-Chloronaphthalene	ND		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
2-Chlorophenol	ND		19	2.1	ug/L		03/10/16 07:58	03/15/16 20:37	4
2-Methylphenol	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
2-Methylnaphthalene	**32**		19	2.3	ug/L		03/10/16 07:58	03/15/16 20:37	4
2-Nitroaniline	ND		39	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
2-Nitrophenol	ND		19	1.9	ug/L		03/10/16 07:58	03/15/16 20:37	4
3,3'-Dichlorobenzidine	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
3-Nitroaniline	ND		39	1.9	ug/L		03/10/16 07:58	03/15/16 20:37	4
4,6-Dinitro-2-methylphenol	ND		39	8.6	ug/L		03/10/16 07:58	03/15/16 20:37	4

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-23 030816
Date Collected: 03/08/16 13:45
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-6
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		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
4-Chloro-3-methylphenol	ND		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
4-Chloroaniline	ND		19	2.3	ug/L		03/10/16 07:58	03/15/16 20:37	4
4-Chlorophenyl phenyl ether	ND		19	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
4-Methylphenol	**9.4**	**J**	39	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
4-Nitroaniline	ND		39	0.97	ug/L		03/10/16 07:58	03/15/16 20:37	4
4-Nitrophenol	ND		39	5.9	ug/L		03/10/16 07:58	03/15/16 20:37	4
Acenaphthene	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Acenaphthylene	ND		19	1.5	ug/L		03/10/16 07:58	03/15/16 20:37	4
Anthracene	ND		19	1.1	ug/L		03/10/16 07:58	03/15/16 20:37	4
Atrazine	ND		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
Benzaldehyde	ND		19	1.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
Benzo(a)anthracene	ND		19	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
Benzo(a)pyrene	ND		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
Benzo(b)fluoranthene	ND		19	1.3	ug/L		03/10/16 07:58	03/15/16 20:37	4
Benzo(g,h,i)perylene	ND		19	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
Benzo(k)fluoranthene	ND		19	2.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
Bis(2-chloroethoxy)methane	ND		19	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
Bis(2-chloroethyl)ether	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Bis(2-ethylhexyl) phthalate	ND		19	7.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
Butyl benzyl phthalate	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Caprolactam	ND		19	8.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Carbazole	ND		19	1.2	ug/L		03/10/16 07:58	03/15/16 20:37	4
Chrysene	ND		19	1.3	ug/L		03/10/16 07:58	03/15/16 20:37	4
Dibenz(a,h)anthracene	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Di-n-butyl phthalate	**2.0**	**J**	19	1.2	ug/L		03/10/16 07:58	03/15/16 20:37	4
Di-n-octyl phthalate	ND		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
Dibenzofuran	ND		39	2.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
Diethyl phthalate	**1.2**	**J**	19	0.86	ug/L		03/10/16 07:58	03/15/16 20:37	4
Dimethyl phthalate	ND		19	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
Fluoranthene	ND		19	1.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Fluorene	ND		19	1.4	ug/L		03/10/16 07:58	03/15/16 20:37	4
Hexachlorobenzene	ND		19	2.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
Hexachlorobutadiene	ND		19	2.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Hexachlorocyclopentadiene	ND		19	2.3	ug/L		03/10/16 07:58	03/15/16 20:37	4
Hexachloroethane	ND		19	2.3	ug/L		03/10/16 07:58	03/15/16 20:37	4
Indeno(1,2,3-cd)pyrene	ND		19	1.8	ug/L		03/10/16 07:58	03/15/16 20:37	4
Isophorone	ND		19	1.7	ug/L		03/10/16 07:58	03/15/16 20:37	4
N-Nitrosodi-n-propylamine	ND		19	2.1	ug/L		03/10/16 07:58	03/15/16 20:37	4
N-Nitrosodiphenylamine	ND		19	2.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
Naphthalene	**96**		19	3.0	ug/L		03/10/16 07:58	03/15/16 20:37	4
Nitrobenzene	ND		19	1.1	ug/L		03/10/16 07:58	03/15/16 20:37	4
Pentachlorophenol	ND		39	8.6	ug/L		03/10/16 07:58	03/15/16 20:37	4
Phenanthrene	ND		19	1.7	ug/L		03/10/16 07:58	03/15/16 20:37	4
Phenol	ND		19	1.5	ug/L		03/10/16 07:58	03/15/16 20:37	4
Pyrene	ND		19	1.3	ug/L		03/10/16 07:58	03/15/16 20:37	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*77*		*46 - 120*	*03/10/16 07:58*	*03/15/16 20:37*	*4*
Phenol-d5	*33*		*16 - 120*	*03/10/16 07:58*	*03/15/16 20:37*	*4*

Client Sample ID: MW-23 030816
Date Collected: 03/08/16 13:45
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-6
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	*45*	*X*	*67 - 150*	*03/10/16 07:58*	*03/15/16 20:37*	*4*
2,4,6-Tribromophenol	*117*		*52 - 132*	*03/10/16 07:58*	*03/15/16 20:37*	*4*
2-Fluorobiphenyl	*82*		*48 - 120*	*03/10/16 07:58*	*03/15/16 20:37*	*4*
2-Fluorophenol	*51*		*20 - 120*	*03/10/16 07:58*	*03/15/16 20:37*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	**210**		49	5.3	ug/L		03/10/16 07:58	03/16/16 17:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*85*		*46 - 120*	*03/10/16 07:58*	*03/16/16 17:25*	*10*
Phenol-d5	*38*		*16 - 120*	*03/10/16 07:58*	*03/16/16 17:25*	*10*
p-Terphenyl-d14	*44*	*X*	*67 - 150*	*03/10/16 07:58*	*03/16/16 17:25*	*10*
2,4,6-Tribromophenol	*101*		*52 - 132*	*03/10/16 07:58*	*03/16/16 17:25*	*10*
2-Fluorobiphenyl	*83*		*48 - 120*	*03/10/16 07:58*	*03/16/16 17:25*	*10*
2-Fluorophenol	*55*		*20 - 120*	*03/10/16 07:58*	*03/16/16 17:25*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.52	0.096	ug/L		03/10/16 08:03	03/17/16 14:06	10
4,4'-DDE	ND	*	0.52	0.12	ug/L		03/10/16 08:03	03/17/16 14:06	10
4,4'-DDT	ND		0.52	0.11	ug/L		03/10/16 08:03	03/17/16 14:06	10
Aldrin	ND		0.52	0.085	ug/L		03/10/16 08:03	03/17/16 14:06	10
alpha-BHC	**0.13**	**J**	0.52	0.080	ug/L		03/10/16 08:03	03/17/16 14:06	10
alpha-Chlordane	ND		0.52	0.15	ug/L		03/10/16 08:03	03/17/16 14:06	10
beta-BHC	ND		0.52	0.26	ug/L		03/10/16 08:03	03/17/16 14:06	10
delta-BHC	ND		0.52	0.10	ug/L		03/10/16 08:03	03/17/16 14:06	10
Dieldrin	ND		0.52	0.10	ug/L		03/10/16 08:03	03/17/16 14:06	10
Endosulfan I	ND		0.52	0.11	ug/L		03/10/16 08:03	03/17/16 14:06	10
Endosulfan II	ND		0.52	0.13	ug/L		03/10/16 08:03	03/17/16 14:06	10
Endosulfan sulfate	ND		0.52	0.16	ug/L		03/10/16 08:03	03/17/16 14:06	10
Endrin	ND		0.52	0.14	ug/L		03/10/16 08:03	03/17/16 14:06	10
Endrin aldehyde	ND		0.52	0.17	ug/L		03/10/16 08:03	03/17/16 14:06	10
Endrin ketone	ND		0.52	0.13	ug/L		03/10/16 08:03	03/17/16 14:06	10
gamma-BHC (Lindane)	ND		0.52	0.084	ug/L		03/10/16 08:03	03/17/16 14:06	10
gamma-Chlordane	ND		0.52	0.11	ug/L		03/10/16 08:03	03/17/16 14:06	10
Heptachlor	ND		0.52	0.089	ug/L		03/10/16 08:03	03/17/16 14:06	10
Heptachlor epoxide	ND		0.52	0.077	ug/L		03/10/16 08:03	03/17/16 14:06	10
Methoxychlor	ND		0.52	0.15	ug/L		03/10/16 08:03	03/17/16 14:06	10
Toxaphene	ND		5.2	1.3	ug/L		03/10/16 08:03	03/17/16 14:06	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*0*	*X*	*20 - 120*	*03/10/16 08:03*	*03/17/16 14:06*	*10*
Tetrachloro-m-xylene	*169*	*X*	*36 - 120*	*03/10/16 08:03*	*03/17/16 14:06*	*10*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-21 030816
Date Collected: 03/08/16 14:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-7
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		1.0	0.35	ug/L			03/12/16 03:37	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/16 03:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/16 03:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/16 03:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/16 03:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/16 03:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/16 03:37	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/12/16 03:37	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/16 03:37	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/12/16 03:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/16 03:37	1
1,2,4-Trimethylbenzene	**0.91**	**J**	1.0	0.75	ug/L			03/12/16 03:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/16 03:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/16 03:37	1
1,2-Dichlorobenzene	**1.1**		1.0	0.79	ug/L			03/12/16 03:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/16 03:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/16 03:37	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/12/16 03:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/16 03:37	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/12/16 03:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/16 03:37	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/12/16 03:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/16 03:37	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/12/16 03:37	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/16 03:37	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/12/16 03:37	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/12/16 03:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/16 03:37	1
Acetone	ND		10	3.0	ug/L			03/12/16 03:37	1
Benzene	ND		1.0	0.41	ug/L			03/12/16 03:37	1
Bromobenzene	ND		1.0	0.80	ug/L			03/12/16 03:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/16 03:37	1
Bromoform	ND		1.0	0.26	ug/L			03/12/16 03:37	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/16 03:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/16 03:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/16 03:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/16 03:37	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/12/16 03:37	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/16 03:37	1
Chloroform	ND		1.0	0.34	ug/L			03/12/16 03:37	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/16 03:37	1
cis-1,2-Dichloroethene	**2.5**		1.0	0.81	ug/L			03/12/16 03:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/16 03:37	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/16 03:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/16 03:37	1
Dibromomethane	ND		1.0	0.41	ug/L			03/12/16 03:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/16 03:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/16 03:37	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/12/16 03:37	1

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-21 030816
Date Collected: 03/08/16 14:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			03/12/16 03:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/16 03:37	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/12/16 03:37	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/16 03:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/16 03:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/16 03:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/16 03:37	1
Naphthalene	ND		1.0	0.43	ug/L			03/12/16 03:37	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/12/16 03:37	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/12/16 03:37	1
o-Xylene	ND		1.0	0.76	ug/L			03/12/16 03:37	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/12/16 03:37	1
Styrene	ND		1.0	0.73	ug/L			03/12/16 03:37	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/12/16 03:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/16 03:37	1
Toluene	ND		1.0	0.51	ug/L			03/12/16 03:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/16 03:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/16 03:37	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/16 03:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/16 03:37	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/12/16 03:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/16 03:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/16 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/12/16 03:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/12/16 03:37*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/12/16 03:37*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/12/16 03:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.6	0.60	ug/L		03/10/16 07:58	03/15/16 21:06	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,4,5-Trichlorophenol	ND		4.6	0.44	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,4,6-Trichlorophenol	ND		4.6	0.56	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,4-Dimethylphenol	ND		4.6	0.46	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,4-Dinitrophenol	ND		9.2	2.0	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		03/10/16 07:58	03/15/16 21:06	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		03/10/16 07:58	03/15/16 21:06	1
2-Chloronaphthalene	ND		4.6	0.42	ug/L		03/10/16 07:58	03/15/16 21:06	1
2-Chlorophenol	ND		4.6	0.49	ug/L		03/10/16 07:58	03/15/16 21:06	1
2-Methylphenol	ND		4.6	0.37	ug/L		03/10/16 07:58	03/15/16 21:06	1
2-Methylnaphthalene	ND		4.6	0.55	ug/L		03/10/16 07:58	03/15/16 21:06	1
2-Nitroaniline	ND		9.2	0.39	ug/L		03/10/16 07:58	03/15/16 21:06	1
2-Nitrophenol	ND		4.6	0.44	ug/L		03/10/16 07:58	03/15/16 21:06	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		03/10/16 07:58	03/15/16 21:06	1
3-Nitroaniline	ND		9.2	0.44	ug/L		03/10/16 07:58	03/15/16 21:06	1
4,6-Dinitro-2-methylphenol	ND		9.2	2.0	ug/L		03/10/16 07:58	03/15/16 21:06	1

Client Sample ID: MW-21 030816
Date Collected: 03/08/16 14:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-7
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		4.6	0.42	ug/L		03/10/16 07:58	03/15/16 21:06	1
4-Chloro-3-methylphenol	ND		4.6	0.42	ug/L		03/10/16 07:58	03/15/16 21:06	1
4-Chloroaniline	ND		4.6	0.54	ug/L		03/10/16 07:58	03/15/16 21:06	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		03/10/16 07:58	03/15/16 21:06	1
4-Methylphenol	ND		9.2	0.33	ug/L		03/10/16 07:58	03/15/16 21:06	1
4-Nitroaniline	ND		9.2	0.23	ug/L		03/10/16 07:58	03/15/16 21:06	1
4-Nitrophenol	ND		9.2	1.4	ug/L		03/10/16 07:58	03/15/16 21:06	1
Acenaphthene	ND		4.6	0.38	ug/L		03/10/16 07:58	03/15/16 21:06	1
Acenaphthylene	ND		4.6	0.35	ug/L		03/10/16 07:58	03/15/16 21:06	1
Acetophenone	ND		4.6	0.50	ug/L		03/10/16 07:58	03/15/16 21:06	1
Anthracene	ND		4.6	0.26	ug/L		03/10/16 07:58	03/15/16 21:06	1
Atrazine	ND		4.6	0.42	ug/L		03/10/16 07:58	03/15/16 21:06	1
Benzaldehyde	ND		4.6	0.25	ug/L		03/10/16 07:58	03/15/16 21:06	1
Benzo(a)anthracene	ND		4.6	0.33	ug/L		03/10/16 07:58	03/15/16 21:06	1
Benzo(a)pyrene	ND		4.6	0.43	ug/L		03/10/16 07:58	03/15/16 21:06	1
Benzo(b)fluoranthene	ND		4.6	0.31	ug/L		03/10/16 07:58	03/15/16 21:06	1
Benzo(g,h,i)perylene	ND		4.6	0.32	ug/L		03/10/16 07:58	03/15/16 21:06	1
Benzo(k)fluoranthene	ND		4.6	0.67	ug/L		03/10/16 07:58	03/15/16 21:06	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		03/10/16 07:58	03/15/16 21:06	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		03/10/16 07:58	03/15/16 21:06	1
Bis(2-ethylhexyl) phthalate	ND		4.6	1.7	ug/L		03/10/16 07:58	03/15/16 21:06	1
Butyl benzyl phthalate	ND		4.6	0.39	ug/L		03/10/16 07:58	03/15/16 21:06	1
Caprolactam	ND		4.6	2.0	ug/L		03/10/16 07:58	03/15/16 21:06	1
Carbazole	ND		4.6	0.28	ug/L		03/10/16 07:58	03/15/16 21:06	1
Chrysene	ND		4.6	0.30	ug/L		03/10/16 07:58	03/15/16 21:06	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		03/10/16 07:58	03/15/16 21:06	1
Di-n-butyl phthalate	ND		4.6	0.29	ug/L		03/10/16 07:58	03/15/16 21:06	1
Di-n-octyl phthalate	ND		4.6	0.43	ug/L		03/10/16 07:58	03/15/16 21:06	1
Dibenzofuran	ND		9.2	0.47	ug/L		03/10/16 07:58	03/15/16 21:06	1
Diethyl phthalate	ND		4.6	0.20	ug/L		03/10/16 07:58	03/15/16 21:06	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		03/10/16 07:58	03/15/16 21:06	1
Fluoranthene	ND		4.6	0.37	ug/L		03/10/16 07:58	03/15/16 21:06	1
Fluorene	ND		4.6	0.33	ug/L		03/10/16 07:58	03/15/16 21:06	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		03/10/16 07:58	03/15/16 21:06	1
Hexachlorobutadiene	ND		4.6	0.63	ug/L		03/10/16 07:58	03/15/16 21:06	1
Hexachlorocyclopentadiene	ND		4.6	0.54	ug/L		03/10/16 07:58	03/15/16 21:06	1
Hexachloroethane	ND		4.6	0.54	ug/L		03/10/16 07:58	03/15/16 21:06	1
Indeno(1,2,3-cd)pyrene	ND		4.6	0.43	ug/L		03/10/16 07:58	03/15/16 21:06	1
Isophorone	ND		4.6	0.40	ug/L		03/10/16 07:58	03/15/16 21:06	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		03/10/16 07:58	03/15/16 21:06	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		03/10/16 07:58	03/15/16 21:06	1
Naphthalene	ND		4.6	0.70	ug/L		03/10/16 07:58	03/15/16 21:06	1
Nitrobenzene	ND		4.6	0.27	ug/L		03/10/16 07:58	03/15/16 21:06	1
Pentachlorophenol	ND		9.2	2.0	ug/L		03/10/16 07:58	03/15/16 21:06	1
Phenanthrene	ND		4.6	0.41	ug/L		03/10/16 07:58	03/15/16 21:06	1
Phenol	ND		4.6	0.36	ug/L		03/10/16 07:58	03/15/16 21:06	1
Pyrene	ND		4.6	0.31	ug/L		03/10/16 07:58	03/15/16 21:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*94*		*46 - 120*	*03/10/16 07:58*	*03/15/16 21:06*	*1*

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-21 030816
Date Collected: 03/08/16 14:25
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-7
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	35		16 - 120	03/10/16 07:58	03/15/16 21:06	1
p-Terphenyl-d14	80		67 - 150	03/10/16 07:58	03/15/16 21:06	1
2,4,6-Tribromophenol	128		52 - 132	03/10/16 07:58	03/15/16 21:06	1
2-Fluorobiphenyl	93		48 - 120	03/10/16 07:58	03/15/16 21:06	1
2-Fluorophenol	56		20 - 120	03/10/16 07:58	03/15/16 21:06	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.098	0.018	ug/L		03/10/16 08:03	03/17/16 14:24	2
4,4'-DDE	ND	*	0.098	0.023	ug/L		03/10/16 08:03	03/17/16 14:24	2
4,4'-DDT	ND		0.098	0.022	ug/L		03/10/16 08:03	03/17/16 14:24	2
Aldrin	ND		0.098	0.016	ug/L		03/10/16 08:03	03/17/16 14:24	2
alpha-BHC	**0.030**	**J**	0.098	0.015	ug/L		03/10/16 08:03	03/17/16 14:24	2
alpha-Chlordane	ND		0.098	0.029	ug/L		03/10/16 08:03	03/17/16 14:24	2
beta-BHC	ND		0.098	0.049	ug/L		03/10/16 08:03	03/17/16 14:24	2
delta-BHC	ND		0.098	0.020	ug/L		03/10/16 08:03	03/17/16 14:24	2
Dieldrin	ND		0.098	0.019	ug/L		03/10/16 08:03	03/17/16 14:24	2
Endosulfan I	ND		0.098	0.022	ug/L		03/10/16 08:03	03/17/16 14:24	2
Endosulfan II	ND		0.098	0.024	ug/L		03/10/16 08:03	03/17/16 14:24	2
Endosulfan sulfate	ND		0.098	0.031	ug/L		03/10/16 08:03	03/17/16 14:24	2
Endrin	ND		0.098	0.027	ug/L		03/10/16 08:03	03/17/16 14:24	2
Endrin aldehyde	ND		0.098	0.032	ug/L		03/10/16 08:03	03/17/16 14:24	2
Endrin ketone	ND		0.098	0.024	ug/L		03/10/16 08:03	03/17/16 14:24	2
gamma-BHC (Lindane)	**0.017**	**J B**	0.098	0.016	ug/L		03/10/16 08:03	03/17/16 14:24	2
gamma-Chlordane	ND		0.098	0.022	ug/L		03/10/16 08:03	03/17/16 14:24	2
Heptachlor	ND		0.098	0.017	ug/L		03/10/16 08:03	03/17/16 14:24	2
Heptachlor epoxide	ND		0.098	0.015	ug/L		03/10/16 08:03	03/17/16 14:24	2
Methoxychlor	ND		0.098	0.028	ug/L		03/10/16 08:03	03/17/16 14:24	2
Toxaphene	ND		0.98	0.24	ug/L		03/10/16 08:03	03/17/16 14:24	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	40		20 - 120	03/10/16 08:03	03/17/16 14:24	2
Tetrachloro-m-xylene	70		36 - 120	03/10/16 08:03	03/17/16 14:24	2

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: TRIP BLANK
Date Collected: 03/08/16 00:00
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-8
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			03/10/16 15:09	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/10/16 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/10/16 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/10/16 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/10/16 15:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/10/16 15:09	1
1,1-Dichloroethene	ND	*	1.0	0.29	ug/L			03/10/16 15:09	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			03/10/16 15:09	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			03/10/16 15:09	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			03/10/16 15:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/10/16 15:09	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			03/10/16 15:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/10/16 15:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/10/16 15:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/10/16 15:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/10/16 15:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/10/16 15:09	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			03/10/16 15:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/10/16 15:09	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			03/10/16 15:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/10/16 15:09	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			03/10/16 15:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/10/16 15:09	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			03/10/16 15:09	1
2-Hexanone	ND		5.0	1.2	ug/L			03/10/16 15:09	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			03/10/16 15:09	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			03/10/16 15:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/10/16 15:09	1
Acetone	ND		10	3.0	ug/L			03/10/16 15:09	1
Benzene	ND		1.0	0.41	ug/L			03/10/16 15:09	1
Bromobenzene	ND		1.0	0.80	ug/L			03/10/16 15:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/10/16 15:09	1
Bromoform	ND		1.0	0.26	ug/L			03/10/16 15:09	1
Bromomethane	ND		1.0	0.69	ug/L			03/10/16 15:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/10/16 15:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/10/16 15:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/10/16 15:09	1
Chlorobromomethane	ND		1.0	0.87	ug/L			03/10/16 15:09	1
Chloroethane	ND		1.0	0.32	ug/L			03/10/16 15:09	1
Chloroform	ND		1.0	0.34	ug/L			03/10/16 15:09	1
Chloromethane	ND		1.0	0.35	ug/L			03/10/16 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/10/16 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/10/16 15:09	1
Cyclohexane	ND		1.0	0.18	ug/L			03/10/16 15:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/10/16 15:09	1
Dibromomethane	ND		1.0	0.41	ug/L			03/10/16 15:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/10/16 15:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/10/16 15:09	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			03/10/16 15:09	1

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: TRIP BLANK
Date Collected: 03/08/16 00:00
Date Received: 03/10/16 00:35

Lab Sample ID: 480-96279-8
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			03/10/16 15:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/10/16 15:09	1
m,p-Xylene	ND		2.0	0.66	ug/L			03/10/16 15:09	1
Methyl acetate	ND		2.5	1.3	ug/L			03/10/16 15:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/10/16 15:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/10/16 15:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/10/16 15:09	1
Naphthalene	ND		1.0	0.43	ug/L			03/10/16 15:09	1
n-Butylbenzene	ND		1.0	0.64	ug/L			03/10/16 15:09	1
N-Propylbenzene	ND		1.0	0.69	ug/L			03/10/16 15:09	1
o-Xylene	ND		1.0	0.76	ug/L			03/10/16 15:09	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			03/10/16 15:09	1
Styrene	ND		1.0	0.73	ug/L			03/10/16 15:09	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			03/10/16 15:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/10/16 15:09	1
Toluene	ND		1.0	0.51	ug/L			03/10/16 15:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/10/16 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/10/16 15:09	1
Trichloroethene	ND		1.0	0.46	ug/L			03/10/16 15:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/10/16 15:09	1
Vinyl acetate	ND		5.0	0.85	ug/L			03/10/16 15:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/10/16 15:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/10/16 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*03/10/16 15:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*03/10/16 15:09*	*1*
Dibromofluoromethane (Surr)	*115*		*60 - 140*		*03/10/16 15:09*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*03/10/16 15:09*	*1*

Lab Chronicle

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: MW-17 030816

Lab Sample ID: 480-96279-1

Date Collected: 03/08/16 10:28

Matrix: Water

Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	290431	03/10/16 15:59	SMY	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		1	291098	03/15/16 18:08	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		10	291445	03/17/16 09:01	MAN	TAL BUF

Client Sample ID: DUP-1 030816

Lab Sample ID: 480-96279-2

Date Collected: 03/08/16 00:00

Matrix: Water

Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	290431	03/10/16 16:24	SMY	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		1	291098	03/15/16 18:38	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		5	291445	03/17/16 09:18	MAN	TAL BUF

Client Sample ID: MW-22 030816

Lab Sample ID: 480-96279-3

Date Collected: 03/08/16 11:30

Matrix: Water

Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	290774	03/12/16 03:10	NMD1	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		1	291098	03/15/16 19:08	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		5	291445	03/17/16 09:36	MAN	TAL BUF

Client Sample ID: MW-18 030816

Lab Sample ID: 480-96279-4

Date Collected: 03/08/16 12:25

Matrix: Water

Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	290431	03/10/16 17:14	SMY	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		1	291098	03/15/16 19:38	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		5	291445	03/17/16 13:31	MAN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-96279-1

Client Sample ID: ASW 030816

Lab Sample ID: 480-96279-5

Date Collected: 03/08/16 13:05
Matrix: Water
Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	290431	03/10/16 17:39	SMY	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		1	291098	03/15/16 20:07	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D	DL	10	291293	03/16/16 16:55	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		10	291445	03/17/16 13:49	MAN	TAL BUF

Client Sample ID: MW-23 030816

Lab Sample ID: 480-96279-6

Date Collected: 03/08/16 13:45
Matrix: Water
Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	290431	03/10/16 18:04	SMY	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		4	291098	03/15/16 20:37	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D	DL	10	291293	03/16/16 17:25	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		10	291445	03/17/16 14:06	MAN	TAL BUF

Client Sample ID: MW-21 030816

Lab Sample ID: 480-96279-7

Date Collected: 03/08/16 14:25
Matrix: Water
Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290774	03/12/16 03:37	NMD1	TAL BUF
Total/NA	Prep	3510C			290425	03/10/16 07:58	CPH	TAL BUF
Total/NA	Analysis	8270D		1	291098	03/15/16 21:06	PJQ	TAL BUF
Total/NA	Prep	3510C			290429	03/10/16 08:03	CPH	TAL BUF
Total/NA	Analysis	8081B		2	291445	03/17/16 14:24	MAN	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-96279-8

Date Collected: 03/08/16 00:00
Matrix: Water
Date Received: 03/10/16 00:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290431	03/10/16 15:09	SMY	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: 480-96279-1

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	03-31-16 *

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-96279-1

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: 480-96279-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96279-1	MW-17 030816	Water	03/08/16 10:28	03/10/16 00:35
480-96279-2	DUP-1 030816	Water	03/08/16 00:00	03/10/16 00:35
480-96279-3	MW-22 030816	Water	03/08/16 11:30	03/10/16 00:35
480-96279-4	MW-18 030816	Water	03/08/16 12:25	03/10/16 00:35
480-96279-5	ASW 030816	Water	03/08/16 13:05	03/10/16 00:35
480-96279-6	MW-23 030816	Water	03/08/16 13:45	03/10/16 00:35
480-96279-7	MW-21 030816	Water	03/08/16 14:25	03/10/16 00:35
480-96279-8	TRIP BLANK	Water	03/08/16 00:00	03/10/16 00:35

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

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: RM	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-80092-19690.1
Client Contact: Mr. Chris French	Phone: 518 951 2200	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): STD		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 - Na2S2SO3, 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		Other:
Email: chris.french@aecom.com	WO #: 60273289.3		
Project Name: Korkay, Inc. #518014	Project #: 48005347		
Site:	SSOW#:		

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 030816	3/8/16	1028	G	Water			✓	✓	✓	3	
Dup-1 030816		-	G	Water			✓	✓	✓	3	
MW-22 030816		1130	G	Water			✓	✓	✓	3	
MW-18 030816		1225	G	Water			✓	✓	✓	3	
ASW 030816		1305	G	Water			✓	✓	✓	3	
MW-23 030816		1345	G	Water			✓	✓	✓	3	
MW-21 030816		1425	G	Water			✓	✓	✓	3	
TRIP BLANK	-	-	-	Water			✓			3	

480-96279 Chain of Custody

Albany 480501

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 McCady	3-8-16 1540	AECOM		3-8-16 1540	TA ALB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3-9-16 1800	TA ALB		3-10-16 0035	DHL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

1.6, 1.4 0035 #1

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3/21/2016

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-96279-1

Login Number: 96279
List Number: 1
Creator: Williams, Christopher S

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	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	