



Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
March 2015

Groundwater Monitoring Report Post-ISCO Quarterly Sampling Event December 8, 2015

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





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Acronyms and Abbreviations

ISCO	<i>In Situ</i> Chemical Oxidation
µg/L	Micrograms per Liter
Korkay	Korkay, Incorporated
AWQS	New York State Ambient Water Quality Standards and Guidance Values
NYSDEC	New York State Department of Conservation
NYSDOH	New York State Department of Health
SMP	Site Management Plan
SVOCs	Semivolatile Organic Compound
TVOCs	Total Volatile Organic Compound
VOCs	Volatile Organic Compounds

1.0 Introduction

1.1 General

This summary report documents the groundwater sampling event conducted in December 2015 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 that was used was activated persulfate, specifically, PersulfOx® from Regenesis Remediation Services. This oxidant has been shown to effectively reduce VOC mass, and has been shown to degrade some pesticides as well. PersulfOx® is a catalyzed persulfate which does not require any additional activation. The PersulfOx® was applied concurrently with oxygen release compound Advanced (ORC-A®), a product that provides a sustained release of oxygen which will allow for polishing of COCs through aerobic bioremediation.

This report presents and interprets analytical results for the groundwater sampling conducted on December 8, 2015. The sampling event represented the first of eight quarterly events that are to be

conducted over a 2-year period to monitor and evaluate the effectiveness of the ISCO treatment. The quarterly monitoring program will continue through the Fall 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. Groundwater samples will 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), shown in Figure 2.

2.1 Groundwater Sampling Methodology

Prior to purging, groundwater levels were recorded in all wells to be sampled listed above. 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 dedicated polyethylene tubing. 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 3-5 minutes until readings indicated that the groundwater stabilized. These parameters monitored included turbidity, temperature, specific conductivity, dissolved oxygen, pH, and oxygen reduction potential (ORP). Stabilization was considered complete when three consecutive readings (3-5 minutes apart) 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

The 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.

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 that were surveyed in November 2015.

The groundwater table elevation data, provided in Table 1, was used to produce a water table contour map of the shallow aquifer, as presented on Figure 3. Figure 3 shows that the groundwater flow direction in the shallow water-bearing zone is from northeast to southwest.

3.2 Analytical Results

The analytical results for the five wells sampled during the December 2015 quarterly groundwater sampling event are presented in Table 2. Laboratory results for these wells from the October 2015 5-quarter sampling event are also included in Table 2, to show baseline conditions prior to the ISCO treatment. In Table 2, concentrations above relevant New York State Ambient Water Quality Standards (AWQS) or guidance values are in a shaded cell with bold typeface for ease of identification. Bolded text alone indicates a detection of the compound above the method detection limit, but below the individual AWQS.

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 installed in September 2015 (MW-17, MW-18, MW-22 and MW-23).

The December 2015 laboratory analytical results in Table 2 and Charts 1 and 2 show that TVOC concentrations in all five wells differ significantly compared to the baseline sampling event, conducted in October 2015, before the ISCO treatment. TVOC concentrations in upgradient wells MW-17 and MW-18, and cross gradient well MW-22 all decreased since the October 2015 event. The TVOC concentration decreased most significantly in well MW-18, from 1,272.4 $\mu\text{g/L}$ in October 2015 to 97.2 $\mu\text{g/L}$ (92.4% reduction). TVOC concentrations decreased in well MW-17 by about 90% (591.5 $\mu\text{g/L}$ to 59.3 $\mu\text{g/L}$) and by about 43% in well MW-22 (108.3 $\mu\text{g/L}$ to 61.3 $\mu\text{g/L}$).

The reported TVOC concentration in former source area well ASW was 6,942 $\mu\text{g/L}$ in December 2015. This was a significant increase from the concentration reported during the October 2015 sampling event (1,941 $\mu\text{g/L}$). The concentration detected in well MW-23, located at the downgradient Site boundary was 788.6 $\mu\text{g/L}$, which also was higher than the concentration reported in October 2015 (521.9 $\mu\text{g/L}$).

Semi-Volatile Organic and Organochlorine Pesticides Compounds

Table 2 summarizes the October 2015 and post-ISCO quarterly sampling results for SVOC and organochlorine pesticide laboratory analyses. The December 2015 SVOC analytical results reported

three compounds in downgradient well MW-23 at concentrations slightly above AWQs, where they were not detected in the October 2015 sampling event. These included 4-Nitroaniline (5.7 J mg/L), Atrazine (44 mg/L) and Benzo(A)Pyrene (17 mg/L). All other SVOC results were generally comparable with the October 2015 data.

For the organochlorine pesticides analyses, the December 2015 results of all five wells sampled reported more individual compounds at concentrations above AWQs than in the October 2015 report. Wells with the highest number of additional AWQs exceedances since the October 2015 sampling event were MW-22 (six) and MW-18 (four). Wells ASW and MW-23 had two additional exceedances each and there were no change in the number of compounds exceeding AWQs in well MW-17.

4.0 Summary and Conclusions

Review of the December 2015 post-ISCO quarterly groundwater sampling results and comparison to the results of the October 2015 sampling, conducted before the ISCO injection, reveal some notable changes to groundwater contamination between the two sampling events, especially with respect to TVOC concentrations. Conclusions regarding these changes are discussed below.

- TVOC concentrations decreased moderately to significantly near the upgradient (MW-17), 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.
- TVOC concentrations increased significantly in the former source area well ASW and moderately in downgradient well MW-23. The increases may indicate that the ISCO treatment has initially solubilized contaminants into groundwater from residual highly impacted soil in the saturated and/or unsaturated soil. If significant contaminant mass remains just above the water table in this area, some of the increase in concentrations could also reflect temporal seasonal variability, since the groundwater elevation was about one-half foot higher during the December 2015 event than in the October 2015 event.
- The increase in contaminant concentrations is common within the first quarter following the injection of persulfate. The persulfate is expected to remain active in the subsurface from 30 to 90 days after the completion of the injection and the ORC will provide oxygen to support aerobic degradation of the VOCs for up to 12 months. It is expected that the concentrations in the former source area will begin to decrease in the next two sampling events.

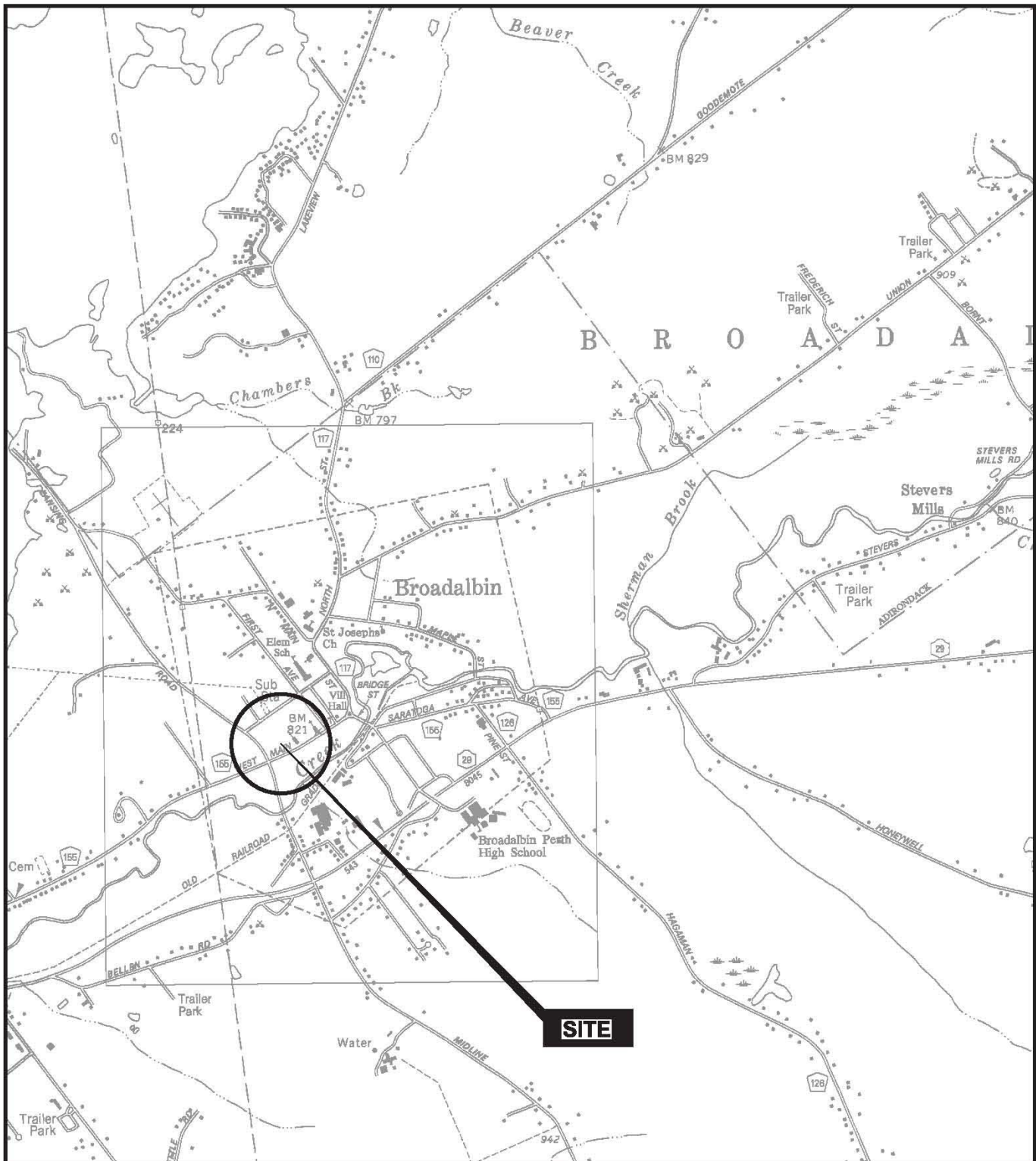
5.0 Recommendations

Since TVOC concentrations reported for the December 2015 monitoring event showed moderate to significant increases at the former source area (ASW) and downgradient Site boundary (MW-23), it is recommended that a sixth existing monitoring well (MW-21) be added to the next quarterly sampling event, scheduled for March 2016. Well MW-21 is located directly downgradient of the Site (see Figure 2), and is located along the downgradient contaminant plume axis, as shown in Figure 3. Well MW-21 should be sampled to evaluate if TVOC concentrations have increased downgradient of the Site.

A few enhancements to the monitoring program should be considered for the remaining quarterly sampling events. It is recommended that a persulfate test kit be used to monitor for the presence of persulfate in the groundwater; this is a field test kit and does not require laboratory analysis. Additionally it is recommended that a RDO meter be used to monitor dissolved oxygen (DO) concentrations during groundwater sampling. This type of DO monitor is much more reliable than the membrane type units typically used during groundwater sampling. An accurate measurement of DO is important to monitor the effectiveness of the ORC.

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: NYS DOT 7.5 MIN. QUADRANGLE
 BROADALBIN SERIES

PLAN

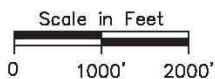
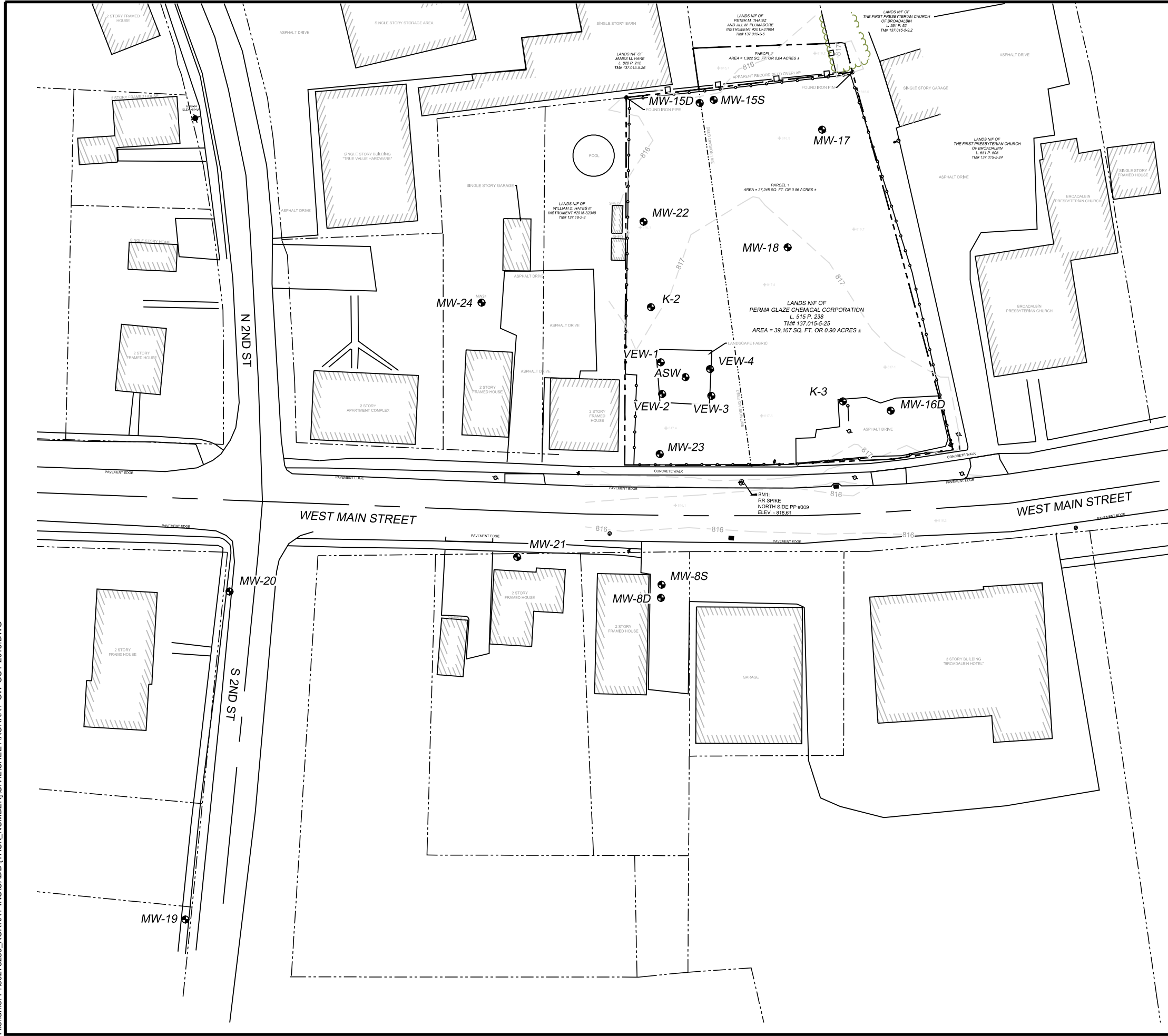


FIGURE 1
 SITE LOCATION PLAN
 NYSDEC SITE ID: 5-18-014
 KORKAY INC.
 70 WEST MAIN STREET
 BROADALBIN, NEW YORK

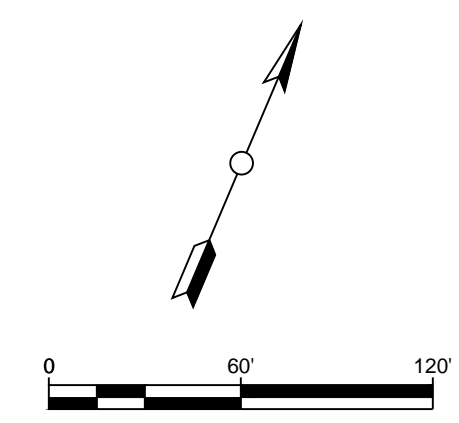
DATE: OCTOBER 2013

PROJECT NO.: 60273289



LEGEND

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



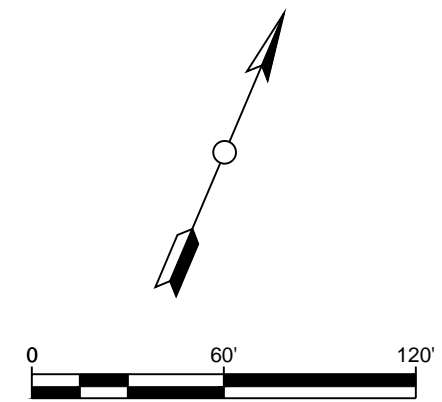
MAP REFERENCE:
 MAPPING BASED ON A PLAN TITLED TOPOGRAPHIC SURVEY OF
 NYSDEC INACTIVE HAZARDOUS WASTE SITE NO. 5-18-014
 70 WEST MAIN STREET, BROADALBIN, NEW YORK
 COUNTY OF FULTON, STATE OF NEW YORK BY, M J ENGINEERING,
 AND LAND SURVEYING, P.C., DATED SEPTEMBER 10 2015, LAST REVISED
 11/13/2015, INCLUDING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

Issue Status: DRAFT

EXISTING CONDITIONS



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

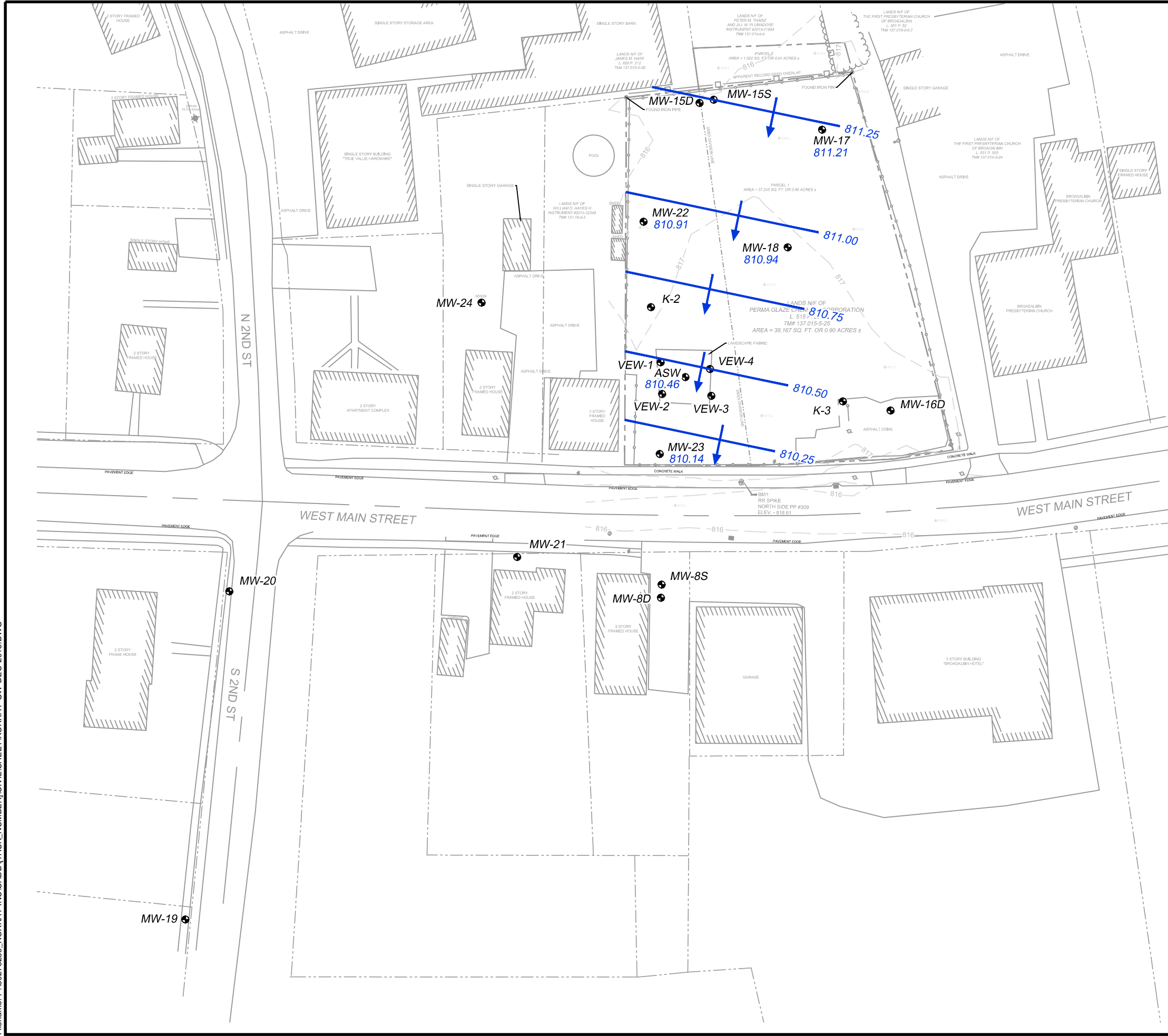


Issue Status: DRAFT

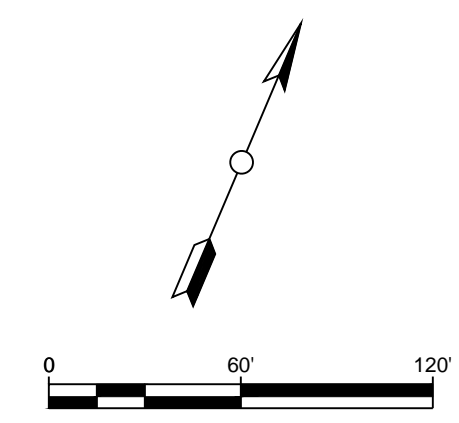
KORKAY INC.
 NYSDEC SITE ID: 518014
 BROADALBIN, NEW YORK
 Project No.: 60273289 Date: JANUARY 2016

AECOM
 Figure: 3

TOTAL VOC ISOCONCENTRATION
 CONTOUR MAP
 OCTOBER 14, 2015



LEGEND	
	SITE PROPERTY LINE
	PROPERTY LINE
	DEED DIVISION LINE
	CHAIN LINK FENCE LINE
	TOPOGRAPHY (1 FT.)
	CATCH BASIN
	UTILITY POLE
	LIGHT POLE
	SEWER MANHOLE
	WATER VALVE
	ELECTRIC METER
	GUY ANCHOR
	MONITORING WELL
	GROUNDWATER ELEVATION (DECEMBER 8, 2015)
	GROUNDWATER CONTOUR (DECEMBER 8, 2015)
	APPROXIMATE GROUNDWATER FLOW DIRECTION



Issue Status: DRAFT

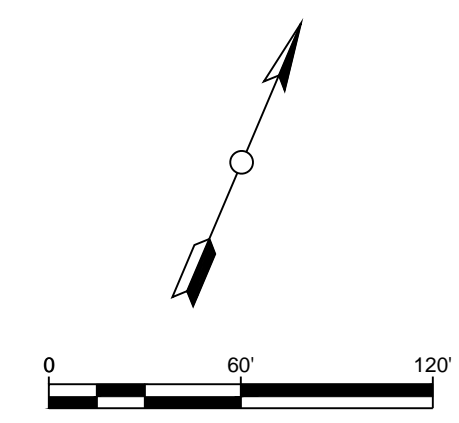
SHALLOW AQUIFER WATER TABLE
 CONTOUR MAP
 DECEMBER 8, 2015



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.



Issue Status: DRAFT

TOTAL VOC ISOCONCENTRATION
 CONTOUR MAP
 DECEMBER 8, 2015

AECOM
 Figure: 5

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

Tables

Table 1

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

December 8, 2015

Well ID	Top of Casing Elevation**	Total Well Depth	Depth to Water	Water Table Elevation
ASW	817.44	13.58	6.98	810.46
MW-17	816.23	14.21	5.02	811.21
MW-18	817.15	14.50	6.21	810.94
MW-22	815.82	9.22	4.91	810.91
MW-23	817.21	14.25	7.07	810.14

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

Shallow aquifer water table elevations are contoured on Figure 3

Table 2
Post ISCO Injection Groundwater Analytical Results
December 2015 Quarterly Monitoring Event
Korkay, Inc.
Broadalbin, New York (Site #518014)

Well ID	AWQS or GV	ASW		MW-17			MW-18		MW-22		MW-23												
		10/13/15	12/8/15	10/14/15	12/8/15	12/8/2015 *	10/14/15	12/8/15	10/14/15	12/8/15	10/14/15	12/8/15											
1,2,4-Trimethylbenzene	5	420	950	220	5	U	5	U	440	15	21	26	110	160									
1,2-Dichlorobenzene	3	24	31	28	15	14	26	10	U	5	U	10	U	18	8.6								
1,3,5-Trimethylbenzene	5	260	310	140	5	U	5	U	180	10	U	11	13	66	49								
1,4-Dichlorobenzene	3	5.0	U	20	U	5	U	5	U	4.4	J	10	U	5	U	5	U						
2-Butanone (MEK)	50 (GV)	12	J	200	U	50	U	50	U	50	U	100	U	14	J	100	U	50	U	24	J		
4-Isopropyltoluene	5	37	39	28	5	U	5	U	31	3.5	J	6.3	8.2	J	16	9							
Acetone	50 (GV)	22	J	76	J	50	U	25	J	24	J	50	U	73	J	50	U	100	U	50	U	140	
Chloromethane	NS	5.0	U	20	U	5	U	7	7	5	U	17	5	U	10	U	5	U	23				
cis-1,2-Dichloroethene	5	24	20	U	5	U	5	U	5	U	5	U	10	U	5.3	10	U	5.3	10				
Ethylbenzene	5	110	120	4	J	5	U	5	U	46	10	U	5.5	10	U	24	40						
Isopropylbenzene	5	34	43	9.1	5	U	5	U	21	10	U	5	U	10	U	7.7	10						
Methylcyclohexane	NS	16	6.1	J	4.8	J	5	U	5	U	7	10	U	3.1	J	10	U	6.1	2.1	J			
m,p-Xylene	5	340	580	21	10	U	10	U	220	20	U	22	20	U	100	160							
n-Butylbenzene	5	68	73	36	5	U	5	U	41	10	U	8	9.8	J	22	15							
n-Propylbenzene	5	60	78	16	5	U	5	U	42	10	U	5	U	10	U	12	17						
Naphthalene	10 (GV)	84	120	32	5	U	5	U	55	9.2	J	5	U	4.3	J	21	25						
o-Xylene	5	390	370	32	8.2	7.8	120	10	U	14	10	U	99	84									
sec-Butylbenzene	5	30	30	16	5	U	5	U	21	10	U	5	U	10	U	8	7.2						
tert- Butylbenzene	5	5.0	U	20	U	5	U	5	U	5	U	10	U	5	U	10	U	5	U	5	U		
Tetrachloroethene (PCE)	5	5.0	U	20	U	4.6	J	4.1	J	3.6	J	18	10	U	3.4	J	10	U	5	U	5	U	
Toluene	5	10	20	U	5	U	5	U	5	U	10	U	5	U	10	U	6.8	4.7	J				
Trichloroethene (TCE)	5	5.0	U	20	U	5	U	5	U	5	U	10	U	5	U	10	U	5	U	5	U		
Xylene (Total)	NS	550	950	53	8.2	J	7.8	J	340	20	U	36	20	U	200	240							
Total Volatile Organic Compounds		1,941	J	6,942	J	591.5	J	59.3	J	56.4	J	1,272.4	J	97.2	J	108.3	J	61.3	J	521.9	J	788.6	J
Semivolatile Organic Compounds																							
2,4-Dimethylphenol	50 (GV)	2.7	J	8.6	52	U	4.8	U	4.8	U	26	U	4.6	U	5.5	U	4.9	U	4.9	J	4.6		
2-Methylnaphthalene	NS	23	30	52	U	4.8	U	4.8	U	26	U	5.4	5.5	U	2.1	J	20	U	2.9	J			
2-Methylphenol	NS	4.8	U	4.6	U	52	U	4.8	U	4.8	U	26	U	4.6	U	5.5	U	4.9	U	20	U	4.6	U
4-Methylphenol	NS	61	59	100	U	4.8	U	4.8	U	9.0	J	4.6	U	0.53	J	4.9	U	40	U	4.6	U		
4-Nitroaniline	5	9.7	U	9.2	U	100	U	0.66	J	0.62	J	53	U	1.5	J	11	U	0.95	J	40	U	5.7	J
Acetophenone	NS	4.8	U	98	52	U	4.8	U	4.8	U	26	U	4.6	U	5.5	U	4.9	U	20	U	1.1	J	
Atrazine	7.5	4.8	U	4.6	U	52	U	27	26	26	U	4.6	U	5.5	U	4.9	U	20	U	44			
Benzo(a)Pyrene	ND	4.8	U	4.6	U	52	U	4.8	U	4.8	U	26	U	8.5	5.5	U	4.9	U	20	U	17		
Biphenyl	5	1.7	J	2.2	J	52	U	4.8	U	4.8	U	26	U	4.6	U	5.5	U	4.9	U	20	U	4.6	U
Di-n-butylphthalate	50	1.7	J	2.2	J	52	U	4.8	U	4.8	U	26	U	4.6	U	1.3	J	4.9	U	2.5	J	4.6	U
Fluoranthene	50 (GV)	4.8	U	4.6	U	52	U	0.8	J	0.75	J	26	U	0.47	J	5.5	U	2	J	20	U	0.91	J
Fluorene	50 (GV)	0.46	J	0.48	J	52	U	4.8	U	4.8	U	26	U	4.6	U	5.5	U	4.9	U	20	U	4.6	U
Naphthalene	10 (GV)	46	68	13	J	4.8	U	4.8	U	26	U	4.6	U	5.5	U	4.9	U	20	U	4.6	U		
Phenol	1	4.8	U	0.48	J	52	U	4.8	U	4.8	U	26	U	4.6	U	1.0	J	4.9	U	20	U	4.6	U
Organochlorine Pesticides (µg/L)																							
ALDRIN	ND	0.50	U	0.051	J	0.035	J	0.14	J	0.16	J	0.25	U	0.11	J	0.53	U	0.12	J	0.10	U	0.23	U
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.01	0.12	BJ	0.23	U	0.10	U	0.086	J	0.084	J	0.25	U	0.13	J	0.53	U	0.084	J	0.10	U	0.074	J
ALPHA CHLORDANE	NL	0.50	U	0.23	U	0.098	J	0.46	U	0.48	U	0.25	U	0.46	U	0.53	U	0.16	J	0.10	U	0.23	U
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	NL	0.50	U	0.23	U	0.10	U	0.46	U	0.48	U	0.25	U	0.46	U	0.53	U	0.26	J	0.10	U	0.14	J
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.04	0.14	J	0.12	J	0.045	J	0.46	J	0.26	J	0.25	U	0.25	J	0.53	U	0.27	J	0.10	U	0.23	U
DIELDRIN	0.004	0.50	U	0.23	U	0.10	U	0.13	J	0.13	J	0.25	U	0.1	J	0.53	U	0.28	J	0.10	U	0.046	J
ENDRIN ALDEHYDE	5	0.50	U	0.23	U	0.042	J	0.46	U	0.48	U	0.25	U	0.46	U	0.53	U	0.5	U	0.10	U	0.23	U
GAMMA BHC (LINDANE)	0.05	0.50	U	0.058	J	0.023	J	0.12	J	0.12	J	0.11	J	0.13	J	0.53	U	0.12	J	0.056	J	0.077	J
Heptachlor	0.04	0.50	U	0.23	U	0.10	U	0.46	U	0.48	U	0.25	U	0.46	U	0.53	U	0.5	U	0.10	U	0.23	U
HEPTACHLOR EPOXIDE	0.03	0.50	U	0.23	U	0.10	U	0.46	U	0.48	U	0.25	U	0.46	U	0.53	U	0.25	J	0.10	U	0.23	U
4,4-DDD	0.3	0.50	U	0.067	J	0.10	U	0.46	U	0.13	J	0.25	U	0.46	U	0.53	U	0.16	J	0.025	J	0.23	U
P,P'-DDE	0.2	0.50	U	0.23	U	0.035	J	0.46	U	0.13	J	0.25	U	0.46	U	0.53	U	0.5	U	0.10	U	0.23	U
P,P'-DDT	0.2	0.50	U	0.23	U	0.10	U	0.46	U	0.48	U	2.5	U	0.46	U	0.53	U	0.5	U	0.10	U	0.23	U
gamma-Chlordane	NL	0.50	U	0.23	U	0.10	U	0.46	U	0.48	U	0.25	U	0.46	U	0.53	U	0.5	U	0.10	U	0.23	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.

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

* - Duplicate Sample

Charts

Chart 1
Post ISCO Injection Groundwater TVOC Concentration Trends - Monitoring Well ASW
Korkay Inc.

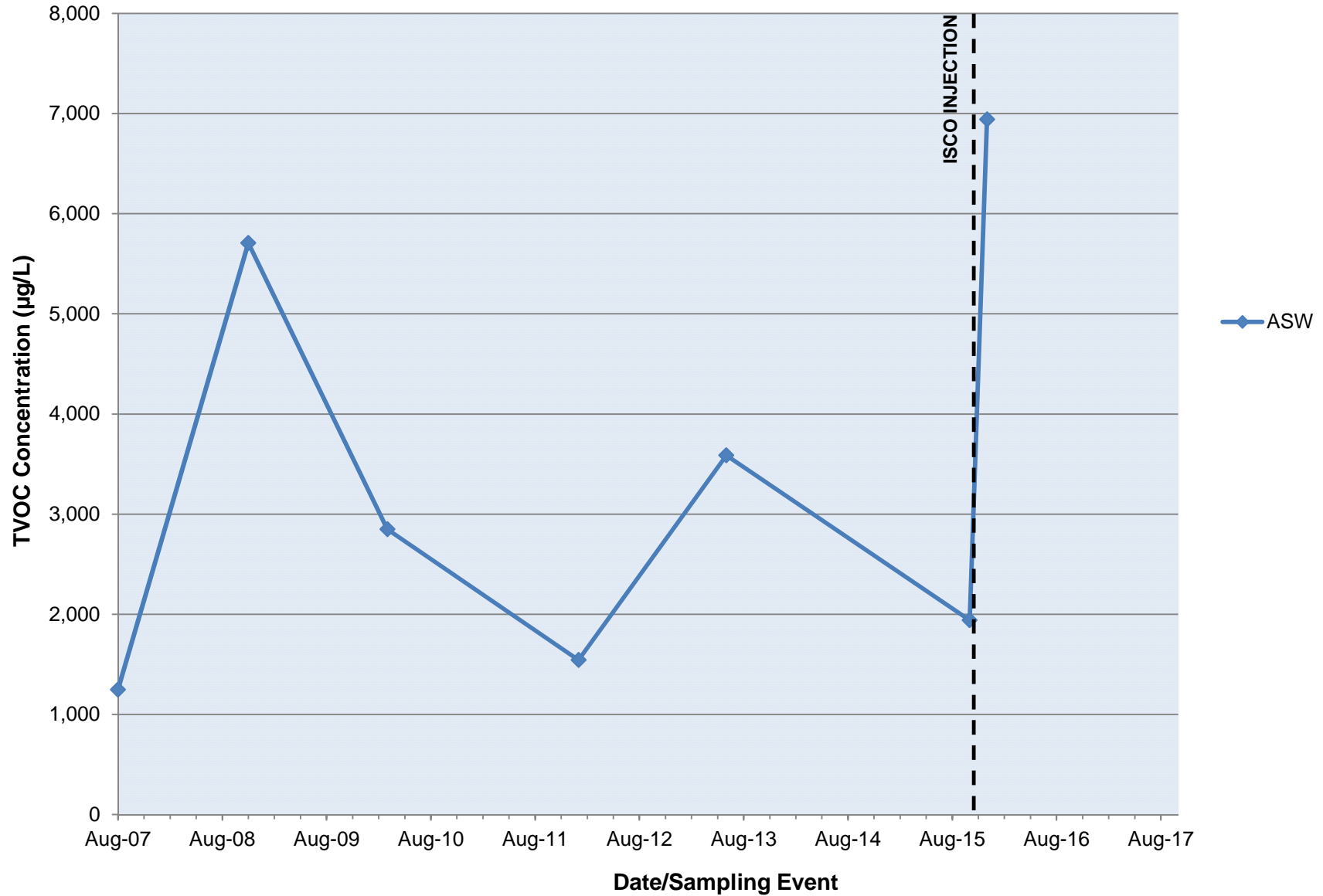
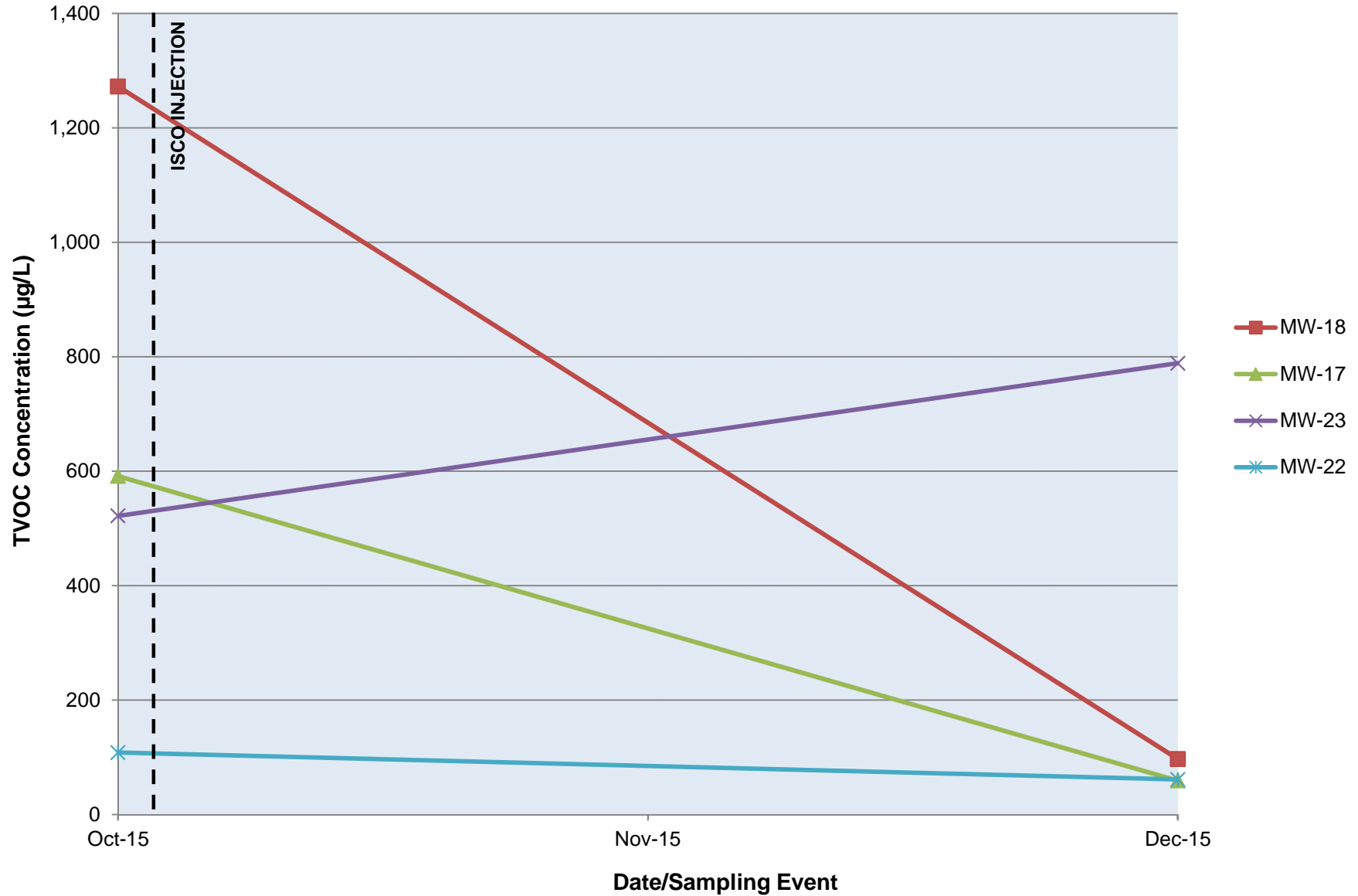


Chart 2
Post ISCO Injection Groundwater TVOC Concentration Trends - ISCO Monitoring Wells
Korkay Inc.



Appendix A

Groundwater Sampling Records

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-17 Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: MW17 120815 QA/QC Collected? DUP1 120815

Purging / Sampling Method: Low Flow/Peristaltic Pump

- 1. L = Total Well Depth: 14.18 feet
- 2. D = Riser Diameter (I.D.): 0.16 feet
- 3. W = Static Depth to Water (TOC): 5.02 feet
- 4. C = Column of Water in Casing: 9.16 feet
- 5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 1.49 gal
- 6. D2 = Pump Setting Depth (ft): _____ feet
- 7. C2 = Column of water in Pump/Tubing (ft): _____ feet
- 8. Tubing Volume = C2(0.005737088) _____ 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 YSI 600 XL/Hach 2100P Turbidimeter

Parameter	Units	Readings							
		9:11	9:16	9:21	9:26	9:31	9:36	9:41	
Time	24 hr	9:11	9:16	9:21	9:26	9:31	9:36	9:41	
Water Level (0.33)	feet	5.28	5.33	5.34	5.34	5.35	5.35	5.35	
Volume Purged	gal	0	6.10	0.15	0.20	0.25	0.30	0.35	
Flow Rate	mL / min	<100	<100	<100	<100	<100	<100	<100	
Turbidity (+/- 10%)	NTU	874	478	378	334	307	302	290	
Dissolved Oxygen (+/- 10%)	%	1.335	8.2	8.1	7.0	6.0	5.9	5.1	
Dissolved Oxygen (+/- 10%)	mg/L	25.8	0.91	0.91	0.79	0.63	0.60	0.54	
Eh / ORP (+/- 10)	MeV	-112.5	-100.1	-98.4	-87.1	-89.6	-94.0	-99.2	
Specific Conductivity	mS/cm [°]	1.834	1.763	1.762	1.755	1.749	1.750	1.746	
Conductivity (+/- 3%)	mS/cm	1.342	1.263	1.262	1.254	1.250	1.248	1.232	
pH (+/- 0.1)	pH unit	7.46	6.95	6.92	6.90	6.92	6.96	6.98	
Temp (+/- 0.5)	C	10.94	10.14	10.18	10.04	10.06	10.00	9.57	
Color	Visual	Tan	Tan	Tan	Tan/Orange	Tan	Tan	Tan	
Odor	Olfactory	No	No	No	No	No	No	No	

Comments: Sampled @ 9:41

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-18 Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: MW18 120815 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peristaltic Pump

- 1. L = Total Well Depth: 14.37 feet
- 2. D = Riser Diameter (I.D.): 0.163 feet
- 3. W = Static Depth to Water (TOC): 6.21 feet
- 4. C = Column of Water in Casing: 8.16 feet
- 5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 1.33 gal
- 6. D2 = Pump Setting Depth (ft): 12 feet
- 7. C2 = Column of water in Pump/Tubing (ft): _____ feet
- 8. Tubing Volume = C2(0.005737088) _____ 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 YSI 600 XL/Hach 2100 Turbidimeter 18649/24785

Parameter	Units	Readings							
		0918	0923	0928	0933	0938	0943	0948	
Time	24 hr	0918	0923	0928	0933	0938	0943	0948	
Water Level (0.33)	feet	7.03	7.27	7.35	7.19	7.10	7.10	7.10	
Volume Purged	gal	0	0.1	0.2	0.3	0.4	0.6	0.7	
Flow Rate	mL / min	120	120	140	140	140	140	145	
Turbidity (+/- 10%)	NTU	98.6	76.2	56.5	43.4	36.3	33.2	37.8	
Dissolved Oxygen (+/- 10%)	%	153.8	241.1	253.3	266.4	267.7	262.1	241.5	
Dissolved Oxygen (+/- 10%)	mg/L	17.58	26.12	27.49	28.82	29.30	28.97	29.02	
Eh / ORP (+/- 10)	MeV	120.8	151.5	149.9	160.6	167.5	174.6	184.7	
Specific Conductivity	mS/cm°	2.810	2.755	2.727	2.693	2.617	2.568	2.458	
Conductivity (+/- 3%)	mS/cm	2.039	2.035	2.005	1.977	1.915	1.871	1.782	
pH (+/- 0.1)	pH unit	9.16	9.17	9.38	9.40	9.41	9.42	9.43	
Temp (+/- 0.5)	C	16.76	11.34	11.16	11.12	11.00	10.79	10.60	
Color	Visual	cloudy	cloudy	cloudy	cloudy	clear	clear	clear	
Odor	Olfactory	petrol	petrol	petrol	petrol	petrol	petrol	petrol	

Comments:

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-18 Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: MW18 120815 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peristaltic Pump

- | | | |
|---|--------------|------|
| 1. L = Total Well Depth: | <u>14.37</u> | feet |
| 2. D = Riser Diameter (I.D.): | <u>6.17</u> | feet |
| 3. W = Static Depth to Water (TOC): | <u>6.21</u> | feet |
| 4. C = Column of Water in Casing: | <u>8.16</u> | feet |
| 5. V = Volume of Water in Well = C(3.14159)(0.5D) ² (7.48) | <u>1.33</u> | gal |
| 6. D2 = Pump Setting Depth (ft): | <u>12</u> | feet |
| 7. C2 = Column of water in Pump/Tubing (ft): | _____ | feet |
| 8. Tubing Volume = C2(0.005737088) | _____ | 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 YSI 600 XL/Hach 2100B Turbidimeter 18649 / 24785

Parameter	Units	Readings					
Time	24 hr	<u>0953</u>	<u>0958</u>	<u>1003</u>			
Water Level (0.33)	feet	<u>7.10</u>	<u>7.10</u>	<u>7.10</u>			
Volume Purged	gal	<u>0.8</u>	<u>1.0</u>	<u>1.1</u>			
Flow Rate	mL / min	<u>145</u>	<u>140</u>	<u>145</u>			
Turbidity (+/- 10%)	NTU	<u>32.0</u>	<u>32.4</u>	<u>33.5</u>			
Dissolved Oxygen (+/- 10%)	%	<u>258.4</u>	<u>257.1</u>	<u>257.8</u>			
Dissolved Oxygen (+/- 10%)	mg/L	<u>28.68</u>	<u>28.42</u>	<u>28.50</u>			
Eh / ORP (+/- 10)	MeV	<u>190.0</u>	<u>194.7</u>	<u>199.4</u>			
Specific Conductivity	mS/cm ^c	<u>2.399</u>	<u>2.391</u>	<u>2.387</u>			
Conductivity (+/- 3%)	mS/cm	<u>1.740</u>	<u>1.738</u>	<u>1.737</u>			
pH (+/- 0.1)	pH unit	<u>9.42</u>	<u>9.39</u>	<u>9.36</u>			
Temp (+/- 0.5)	C	<u>10.65</u>	<u>10.52</u>	<u>10.53</u>			
Color	Visual	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>			
Odor	Olfactory	<u>petrol</u>	<u>petrol</u>	<u>petrol</u>			

Comments: Sampled @ 1003

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-22 Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: MW22 120815 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peristaltic Pump

1. L = Total Well Depth:	<u>9.15</u>	feet	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">D (inches)</th> <th style="width: 50%;">D (feet)</th> </tr> </thead> <tbody> <tr><td>1-inch</td><td>0.08</td></tr> <tr><td>2-inch</td><td>0.17</td></tr> <tr><td>3-inch</td><td>0.25</td></tr> <tr><td>4-inch</td><td>0.33</td></tr> <tr><td>6-inch</td><td>0.50</td></tr> </tbody> </table>	D (inches)	D (feet)	1-inch	0.08	2-inch	0.17	3-inch	0.25	4-inch	0.33	6-inch	0.50
D (inches)	D (feet)														
1-inch	0.08														
2-inch	0.17														
3-inch	0.25														
4-inch	0.33														
6-inch	0.50														
2. D = Riser Diameter (I.D.):	<u>0.163</u>	feet													
3. W = Static Depth to Water (TOC):	<u>4.91</u>	feet													
4. C = Column of Water in Casing:	<u>4.24</u>	feet													
5. V = Volume of Water in Well = C(3.14159)(0.5D) ² (7.48)	<u>0.69</u>	gal													
6. D2 = Pump Setting Depth (ft):	_____	feet													
7. C2 = Column of water in Pump/Tubing (ft):	_____	feet													
8. Tubing Volume = C2(0.005737088)	_____	gal													

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 YSI 600 XL/Hach 2100P Turbidimeter

Parameter	Units	Readings								
		10:20	10:25	10:30	10:35	10:40	10:45	10:50	10:55	
Time	24 hr									
Water Level (0.33)	feet	<u>5.16</u>	<u>5.22</u>	<u>5.28</u>	<u>5.30</u>	<u>5.32</u>	<u>5.33</u>	<u>5.34</u>	<u>5.34</u>	<u>5.34</u>
Volume Purged	gal	<u>0</u>	<u>0.1</u>	<u>0.15</u>	<u>0.20</u>	<u>0.30</u>	<u>0.35</u>	<u>0.40</u>	<u>0.50</u>	<u>0.50</u>
Flow Rate	mL / min	<u>160</u>	<u>160</u>	<u>140</u>	<u>140</u>	<u>130</u>	<u>130</u>	<u>130</u>	<u>130</u>	<u>130</u>
Turbidity (+/- 10%)	NTU	<u>146</u>	<u>89.7</u>	<u>45.6</u>	<u>29.7</u>	<u>18.9</u>	<u>16.3</u>	<u>14.6</u>	<u>14.1</u>	<u>14.1</u>
Dissolved Oxygen (+/- 10%)	%	<u>45.2</u>	<u>18.2</u>	<u>9.1</u>	<u>7.6</u>	<u>4.7</u>	<u>3.6</u>	<u>3.2</u>	<u>3.0</u>	<u>3.0</u>
Dissolved Oxygen (+/- 10%)	mg/L	<u>5.21</u>	<u>2.09</u>	<u>1.04</u>	<u>0.81</u>	<u>0.53</u>	<u>0.43</u>	<u>0.40</u>	<u>0.32</u>	<u>0.32</u>
Eh / ORP (+/- 10)	MeV	<u>-44.4</u>	<u>-51.6</u>	<u>-58.3</u>	<u>-63.6</u>	<u>-72.1</u>	<u>-76.1</u>	<u>-82.1</u>	<u>-88.4</u>	<u>-88.4</u>
Specific Conductivity	mS/cm ^c	<u>1.091</u>	<u>1.082</u>	<u>1.031</u>	<u>0.969</u>	<u>0.895</u>	<u>0.845</u>	<u>0.809</u>	<u>0.810</u>	<u>0.810</u>
Conductivity (+/- 3%)	mS/cm	<u>0.768</u>	<u>0.763</u>	<u>0.728</u>	<u>0.685</u>	<u>0.630</u>	<u>0.595</u>	<u>0.570</u>	<u>0.556</u>	<u>0.556</u>
pH (+/- 0.1)	pH unit	<u>6.80</u>	<u>6.72</u>	<u>6.70</u>	<u>6.68</u>	<u>6.66</u>	<u>6.65</u>	<u>6.64</u>	<u>6.71</u>	<u>6.71</u>
Temp (+/- 0.5)	C	<u>9.50</u>	<u>9.52</u>	<u>9.55</u>	<u>9.57</u>	<u>9.50</u>	<u>9.51</u>	<u>9.51</u>	<u>9.53</u>	<u>9.53</u>
Color	Visual	<u>Faint Yellow</u>	<u>clearing</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>	<u>clear</u>
Odor	Olfactory	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>	<u>NO</u>

Comments: Sampled @ 10:55

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: MW-23 Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: MW23 120815 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peristaltic Pump

- 1. L = Total Well Depth: 14.09 feet
- 2. D = Riser Diameter (I.D.): 0.16 feet
- 3. W = Static Depth to Water (TOC): 7.07 feet
- 4. C = Column of Water in Casing: 7.02 feet
- 5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 1.12 gal
- 6. D2 = Pump Setting Depth (ft): _____ feet
- 7. C2 = Column of water in Pump/Tubing (ft): _____ feet
- 8. Tubing Volume = C2(0.005737088) _____ 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 YSI 600 XL/Hach 2100P Turbidimeter

Parameter	Units	Readings				
		11:25	11:30	11:35	11:40	11:45
Time	24 hr					
Water Level (0.33)	feet	7.20	7.20	7.20	7.20	7.20
Volume Purged	gal	0	0.15	0.30	0.40	0.60
Flow Rate	mL / min	200	200	200	200	200
Turbidity (+/- 10%)	NTU	69.8	22.0	11.1	11.3	10.9
Dissolved Oxygen (+/- 10%)	%	16.0	7.1	5.5	5.4	5.1
Dissolved Oxygen (+/- 10%)	mg/L	1.74	0.78	0.60	0.59	0.53
Eh / ORP (+/- 10)	MeV	-108.0	-118.3	-107.4	-102.4	-100.7
Specific Conductivity	mS/cm ^c	7.351	3.755	2.529	2.349	2.271
Conductivity (+/- 3%)	mS/cm	5.352	2.783	1.857	1.724	1.672
pH (+/- 0.1)	pH unit	6.84	7.09	7.09	7.06	7.03
Temp (+/- 0.5)	C	10.78	10.86	10.96	11.04	11.04
Color	Visual	clear	clear	clear	clear	clear
Odor	Olfactory	No	No	No	No	No

Comments:

Sampled @ 11:45

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: ASW Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: ASW 120815 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peristaltic Pump

1. L = Total Well Depth: 11.56 feet
2. D = Riser Diameter (I.D.): 0.163 feet
3. W = Static Depth to Water (TOC): 6.98 feet
4. C = Column of Water in Casing: 4.58 feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 0.73 gal
6. D2 = Pump Setting Depth (ft): 9.25 feet
7. C2 = Column of water in Pump/Tubing (ft): _____ feet
8. Tubing Volume = C2(0.005737088) _____ 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 YSI 600 XL/Hach 2100B Turbidimeter 18649 / 24785

Parameter	Units	Readings							
Time	24 hr	1040	1045	1050	1055	1100	1105	1110	
Water Level (0.33)	feet	7.06	7.08	7.08	7.08	7.08	7.08	7.08	
Volume Purged	gal	0	0.1	6.25	0.35	0.45	0.55	0.7	
Flow Rate	mL / min	120	120	125	120	125	125	125	
Turbidity (+/- 10%)	NTU	26.5	4.6159	10.8	6.75	6.30	4.76	4.04	
Dissolved Oxygen (+/- 10%)	%	26.3	14.6	14.1	9.0	7.5	7.2	5.9	
Dissolved Oxygen (+/- 10%)	mg/L	3.03	1.72	1.61	1.06	0.88	0.79	0.64	
Eh / ORP (+/- 10)	MeV	-12.4	-30.1	-43.9	-59.3	-76.5	-86.3	-93.2	
Specific Conductivity	mS/cm ^o	1.174	1.136	1.076	1.032	0.995	0.986	0.970	
Conductivity (+/- 3%)	mS/cm	0.835	0.817	0.782	0.756	0.732	0.724	0.709	
pH (+/- 0.1)	pH unit	7.01	6.76	6.67	6.63	6.62	6.62	6.61	
Temp (+/- 0.5)	C	9.94	10.39	10.76	10.98	11.16	11.13	10.93	
Color	Visual	clear	clear	clear	clear	clear	clear	clear	
Odor	Olfactory	Petrol/Pest.	Petrol/Pest.	Petrol/Pest.	Petrol/Pest.	Petrol/Pest.	Petrol/Pest.	Petrol/Pest.	

Comments:

* Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay 60273289.8

Monitoring Well Number: AW5 ASW Date: 12/8/2015

Samplers: Chris French & Ross McCredy

Sample Number: ASW 120815 QA/QC Collected? No

Purging / Sampling Method: Low Flow/Peristaltic Pump

- 1. L = Total Well Depth: 11.56 feet
- 2. D = Riser Diameter (I.D.): 0.17 feet
- 3. W = Static Depth to Water (TOC): 6.98 feet
- 4. C = Column of Water in Casing: 4.58 feet
- 5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 6.73 gal
- 6. D2 = Pump Setting Depth (ft): 9.25 feet
- 7. C2 = Column of water in Pump/Tubing (ft): _____ feet
- 8. Tubing Volume = C2(0.005737088) _____ 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 YSI 600 XL/Hach 21000 Turbidimeter 18649 / 24785

Parameter	Units	Readings			
Time	24 hr	<u>1115</u>	<u>1120</u>	<u>1125</u>	<u>1130</u>
Water Level (0.33)	feet	<u>7.08</u>	<u>7.08</u>	<u>7.08</u>	<u>7.08</u>
Volume Purged	gal	<u>0.8</u>	<u>0.9</u>	<u>1.0</u>	<u>1.2</u>
Flow Rate	mL / min	<u>120</u>	<u>120</u>	<u>120</u>	<u>125</u>
Turbidity (+/- 10%)	NTU	<u>3.94</u>	<u>3.68</u>	<u>3.57</u>	<u>3.49</u>
Dissolved Oxygen (+/- 10%)	%	<u>5.1</u>	<u>4.7</u>	<u>4.5</u>	<u>4.7</u>
Dissolved Oxygen (+/- 10%)	mg/L	<u>6.57</u>	<u>6.53</u>	<u>6.50</u>	<u>6.52</u>
Eh / ORP (+/- 10)	MeV	<u>-99.4</u>	<u>-104.0</u>	<u>-106.9</u>	<u>-105.4</u>
Specific Conductivity	mS/cm ^c	<u>0.967</u>	<u>0.965</u>	<u>0.962</u>	<u>0.962</u>
Conductivity (+/- 3%)	mS/cm	<u>0.709</u>	<u>0.710</u>	<u>0.708</u>	<u>0.707</u>
pH (+/- 0.1)	pH unit	<u>6.61</u>	<u>6.60</u>	<u>6.60</u>	<u>6.60</u>
Temp (+/- 0.5)	C	<u>11.05</u>	<u>11.19</u>	<u>11.04</u>	<u>11.17</u>
Color	Visual	<u>Clear</u>	<u>clear</u>	<u>clear</u>	<u>Clear</u>
Odor	Olfactory	<u>petrol/Pest.</u>	<u>Petrol/Pest.</u>	<u>Petrol/Pest.</u>	<u>Petrol/Pest.</u>

Comments: Sampled @ 1130

* Three consecutive readings within range indicates stabilization of that parameter.

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: 480-92323-1

Client Project/Site: Korkay, Inc. #518014

For:

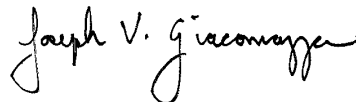
New York State D.E.C.

625 Broadway

4th Floor

Albany, New York 12233

Attn: Mr. Payson Long



Authorized for release by:

12/21/2015 4:04:49 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

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Have a Question?



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.

1

2

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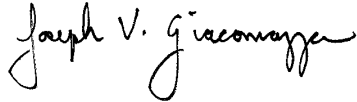
9

10

11

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- 10
- 11

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



Joe Giacomazza
Project Management Assistant II
12/21/2015 4:04:49 PM



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Definitions/Glossary

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

TestAmerica Job ID: 480-92323-1

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

GC/MS Semi VOA

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

GC Semi VOA

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

Case Narrative

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

TestAmerica Job ID: 480-92323-1

Job ID: 480-92323-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-92323-1

Receipt

The samples were received on 12/9/2015 1:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1° C.

GC/MS VOA

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: DUP-1 120815 (480-92323-1), MW-17 120815 (480-92323-2), MW-18 120815 (480-92323-3) and MW-22 120815 (480-92323-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: ASW 120815 (480-92323-5) and MW-23 120815 (480-92323-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280605 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following samples are impacted: MW-22 120815 (480-92323-4), ASW 120815 (480-92323-5) and TRIP BLANK (480-92323-7)

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-280605 recovered outside control limits for the following analyte: 2-Hexanone. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: DUP-1 120815 (480-92323-1), MW-17 120815 (480-92323-2), MW-18 120815 (480-92323-3), MW-22 120815 (480-92323-4) and ASW 120815 (480-92323-5)

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-280605 was outside the method criteria for the following analyte: Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected 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. The following samples are impacted: DUP-1 120815 (480-92323-1), MW-17 120815 (480-92323-2), MW-18 120815 (480-92323-3) and MW-23 120815 (480-92323-6)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-280605 recovered above the upper control limit for several analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: DUP-1 120815 (480-92323-1), MW-17 120815 (480-92323-2), MW-18 120815 (480-92323-3), MW-22 120815 (480-92323-4), MW-23 120815 (480-92323-6) and TRIP BLANK (480-92323-7).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-280605 was outside the method criteria for the following analytes: sec-Butylbenzene, N-Propylbenzene, n-Butylbenzene, and Isopropylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated. The following samples are impacted: ASW 120815 (480-92323-5) and MW-23 120815 (480-92323-6)

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-280605 was outside the method criteria for the following analyte: n-Butylbenzene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: MW-22 120815 (480-92323-4)

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: Six surrogates are used for this analysis. The laboratory's SOP allows one 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: DUP-1 120815 (480-92323-1), MW-17 120815 (480-92323-2), MW-22 120815 (480-92323-4) and ASW 120815 (480-92323-5). These results have been reported and qualified.

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-280083 recovered above the upper control limit

Case Narrative

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

TestAmerica Job ID: 480-92323-1

Job ID: 480-92323-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

for Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data has been reported. The following sample is impacted: ASW 120815 (480-92323-5).

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: ASW 120815 (480-92323-5). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: ASW 120815 (480-92323-5). These results have been reported and qualified.

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 and extraction color: DUP-1 120815 (480-92323-1), MW-17 120815 (480-92323-2), MW-18 120815 (480-92323-3), MW-22 120815 (480-92323-4), ASW 120815 (480-92323-5) and MW-23 120815 (480-92323-6). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

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

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 278813.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with 278816.

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



Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: DUP-1 120815

Lab Sample ID: 480-92323-1

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.8	ug/L			12/19/15 05:10	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/19/15 05:10	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/19/15 05:10	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/19/15 05:10	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/19/15 05:10	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/19/15 05:10	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/19/15 05:10	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			12/19/15 05:10	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/15 05:10	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			12/19/15 05:10	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/15 05:10	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			12/19/15 05:10	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/19/15 05:10	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/19/15 05:10	5
1,2-Dichlorobenzene	14		5.0	4.0	ug/L			12/19/15 05:10	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/19/15 05:10	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/19/15 05:10	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			12/19/15 05:10	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/19/15 05:10	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			12/19/15 05:10	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/19/15 05:10	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			12/19/15 05:10	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/19/15 05:10	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			12/19/15 05:10	5
2-Hexanone	ND	*	25	6.2	ug/L			12/19/15 05:10	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			12/19/15 05:10	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			12/19/15 05:10	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/19/15 05:10	5
Acetone	24	J	50	15	ug/L			12/19/15 05:10	5
Benzene	ND		5.0	2.1	ug/L			12/19/15 05:10	5
Bromobenzene	ND		5.0	4.0	ug/L			12/19/15 05:10	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/19/15 05:10	5
Bromoform	ND		5.0	1.3	ug/L			12/19/15 05:10	5
Bromomethane	ND		5.0	3.5	ug/L			12/19/15 05:10	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/19/15 05:10	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/19/15 05:10	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/19/15 05:10	5
Chlorobromomethane	ND		5.0	4.4	ug/L			12/19/15 05:10	5
Chloroethane	ND		5.0	1.6	ug/L			12/19/15 05:10	5
Chloroform	ND		5.0	1.7	ug/L			12/19/15 05:10	5
Chloromethane	7.0	^	5.0	1.8	ug/L			12/19/15 05:10	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/19/15 05:10	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/19/15 05:10	5
Cyclohexane	ND		5.0	0.90	ug/L			12/19/15 05:10	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/19/15 05:10	5
Dibromomethane	ND		5.0	2.1	ug/L			12/19/15 05:10	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/19/15 05:10	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/19/15 05:10	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			12/19/15 05:10	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: DUP-1 120815

Lab Sample ID: 480-92323-1

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			12/19/15 05:10	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/19/15 05:10	5
m,p-Xylene	ND		10	3.3	ug/L			12/19/15 05:10	5
Methyl acetate	ND		13	6.5	ug/L			12/19/15 05:10	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/19/15 05:10	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/19/15 05:10	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/19/15 05:10	5
Naphthalene	ND		5.0	2.2	ug/L			12/19/15 05:10	5
n-Butylbenzene	ND		5.0	3.2	ug/L			12/19/15 05:10	5
N-Propylbenzene	ND		5.0	3.5	ug/L			12/19/15 05:10	5
o-Xylene	7.8		5.0	3.8	ug/L			12/19/15 05:10	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			12/19/15 05:10	5
Styrene	ND		5.0	3.7	ug/L			12/19/15 05:10	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			12/19/15 05:10	5
Tetrachloroethene	3.6 J		5.0	1.8	ug/L			12/19/15 05:10	5
Toluene	ND		5.0	2.6	ug/L			12/19/15 05:10	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/19/15 05:10	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/19/15 05:10	5
Trichloroethene	ND		5.0	2.3	ug/L			12/19/15 05:10	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/19/15 05:10	5
Vinyl acetate	ND		25	4.3	ug/L			12/19/15 05:10	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/19/15 05:10	5
Xylenes, Total	7.8 J		10	3.3	ug/L			12/19/15 05:10	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		12/19/15 05:10	5
4-Bromofluorobenzene (Surr)	96		73 - 120		12/19/15 05:10	5
Dibromofluoromethane (Surr)	88		60 - 140		12/19/15 05:10	5
Toluene-d8 (Surr)	99		71 - 126		12/19/15 05:10	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.62	ug/L		12/09/15 08:04	12/15/15 15:47	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,4,5-Trichlorophenol	0.59 J		4.8	0.46	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,4-Dinitrophenol	ND		9.6	2.1	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/09/15 08:04	12/15/15 15:47	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 15:47	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/09/15 08:04	12/15/15 15:47	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/09/15 08:04	12/15/15 15:47	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		12/09/15 08:04	12/15/15 15:47	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 15:47	1
2-Nitroaniline	ND		9.6	0.40	ug/L		12/09/15 08:04	12/15/15 15:47	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/09/15 08:04	12/15/15 15:47	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 15:47	1
3-Nitroaniline	ND		9.6	0.46	ug/L		12/09/15 08:04	12/15/15 15:47	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		12/09/15 08:04	12/15/15 15:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: DUP-1 120815

Lab Sample ID: 480-92323-1

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/09/15 08:04	12/15/15 15:47	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/09/15 08:04	12/15/15 15:47	1
4-Chloroaniline	ND		4.8	0.56	ug/L		12/09/15 08:04	12/15/15 15:47	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 15:47	1
4-Methylphenol	0.62	J	9.6	0.34	ug/L		12/09/15 08:04	12/15/15 15:47	1
4-Nitroaniline	ND		9.6	0.24	ug/L		12/09/15 08:04	12/15/15 15:47	1
4-Nitrophenol	ND		9.6	1.5	ug/L		12/09/15 08:04	12/15/15 15:47	1
Acenaphthene	ND		4.8	0.39	ug/L		12/09/15 08:04	12/15/15 15:47	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/09/15 08:04	12/15/15 15:47	1
Acetophenone	26		4.8	0.52	ug/L		12/09/15 08:04	12/15/15 15:47	1
Anthracene	ND		4.8	0.27	ug/L		12/09/15 08:04	12/15/15 15:47	1
Atrazine	ND		4.8	0.44	ug/L		12/09/15 08:04	12/15/15 15:47	1
Benzaldehyde	ND		4.8	0.26	ug/L		12/09/15 08:04	12/15/15 15:47	1
Benzo(a)anthracene	ND		4.8	0.34	ug/L		12/09/15 08:04	12/15/15 15:47	1
Benzo(a)pyrene	ND		4.8	0.45	ug/L		12/09/15 08:04	12/15/15 15:47	1
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 15:47	1
Benzo(g,h,i)perylene	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 15:47	1
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L		12/09/15 08:04	12/15/15 15:47	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 15:47	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 15:47	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		12/09/15 08:04	12/15/15 15:47	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/09/15 08:04	12/15/15 15:47	1
Caprolactam	ND		4.8	2.1	ug/L		12/09/15 08:04	12/15/15 15:47	1
Carbazole	ND		4.8	0.29	ug/L		12/09/15 08:04	12/15/15 15:47	1
Chrysene	ND		4.8	0.32	ug/L		12/09/15 08:04	12/15/15 15:47	1
Di-n-butyl phthalate	0.75	J	4.8	0.30	ug/L		12/09/15 08:04	12/15/15 15:47	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/09/15 08:04	12/15/15 15:47	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/09/15 08:04	12/15/15 15:47	1
Dibenzofuran	ND		9.6	0.49	ug/L		12/09/15 08:04	12/15/15 15:47	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/09/15 08:04	12/15/15 15:47	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		12/09/15 08:04	12/15/15 15:47	1
Fluoranthene	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 15:47	1
Fluorene	ND		4.8	0.34	ug/L		12/09/15 08:04	12/15/15 15:47	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/09/15 08:04	12/15/15 15:47	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/09/15 08:04	12/15/15 15:47	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		12/09/15 08:04	12/15/15 15:47	1
Hexachloroethane	ND		4.8	0.56	ug/L		12/09/15 08:04	12/15/15 15:47	1
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L		12/09/15 08:04	12/15/15 15:47	1
Isophorone	ND		4.8	0.41	ug/L		12/09/15 08:04	12/15/15 15:47	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		12/09/15 08:04	12/15/15 15:47	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/09/15 08:04	12/15/15 15:47	1
Naphthalene	ND		4.8	0.73	ug/L		12/09/15 08:04	12/15/15 15:47	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/09/15 08:04	12/15/15 15:47	1
Pentachlorophenol	ND		9.6	2.1	ug/L		12/09/15 08:04	12/15/15 15:47	1
Phenanthrene	ND		4.8	0.42	ug/L		12/09/15 08:04	12/15/15 15:47	1
Phenol	ND		4.8	0.37	ug/L		12/09/15 08:04	12/15/15 15:47	1
Pyrene	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 15:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	109		52 - 132	12/09/15 08:04	12/15/15 15:47	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: DUP-1 120815

Lab Sample ID: 480-92323-1

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		48 - 120	12/09/15 08:04	12/15/15 15:47	1
2-Fluorophenol	50		20 - 120	12/09/15 08:04	12/15/15 15:47	1
Nitrobenzene-d5	70		46 - 120	12/09/15 08:04	12/15/15 15:47	1
p-Terphenyl-d14	63	X	67 - 150	12/09/15 08:04	12/15/15 15:47	1
Phenol-d5	41		16 - 120	12/09/15 08:04	12/15/15 15:47	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.13	J	0.48	0.089	ug/L		12/09/15 07:57	12/10/15 09:08	10
4,4'-DDE	0.13	J	0.48	0.11	ug/L		12/09/15 07:57	12/10/15 09:08	10
4,4'-DDT	ND		0.48	0.11	ug/L		12/09/15 07:57	12/10/15 09:08	10
Aldrin	0.16	J	0.48	0.078	ug/L		12/09/15 07:57	12/10/15 09:08	10
alpha-BHC	0.084	J	0.48	0.074	ug/L		12/09/15 07:57	12/10/15 09:08	10
alpha-Chlordane	ND		0.48	0.14	ug/L		12/09/15 07:57	12/10/15 09:08	10
beta-BHC	ND		0.48	0.24	ug/L		12/09/15 07:57	12/10/15 09:08	10
delta-BHC	0.26	J	0.48	0.097	ug/L		12/09/15 07:57	12/10/15 09:08	10
Dieldrin	0.13	J	0.48	0.095	ug/L		12/09/15 07:57	12/10/15 09:08	10
Endosulfan I	ND		0.48	0.11	ug/L		12/09/15 07:57	12/10/15 09:08	10
Endosulfan II	ND		0.48	0.12	ug/L		12/09/15 07:57	12/10/15 09:08	10
Endosulfan sulfate	ND		0.48	0.15	ug/L		12/09/15 07:57	12/10/15 09:08	10
Endrin	ND		0.48	0.13	ug/L		12/09/15 07:57	12/10/15 09:08	10
Endrin aldehyde	ND		0.48	0.16	ug/L		12/09/15 07:57	12/10/15 09:08	10
Endrin ketone	ND		0.48	0.12	ug/L		12/09/15 07:57	12/10/15 09:08	10
gamma-BHC (Lindane)	0.12	J	0.48	0.077	ug/L		12/09/15 07:57	12/10/15 09:08	10
gamma-Chlordane	ND		0.48	0.11	ug/L		12/09/15 07:57	12/10/15 09:08	10
Heptachlor	ND		0.48	0.082	ug/L		12/09/15 07:57	12/10/15 09:08	10
Heptachlor epoxide	ND		0.48	0.071	ug/L		12/09/15 07:57	12/10/15 09:08	10
Methoxychlor	ND		0.48	0.14	ug/L		12/09/15 07:57	12/10/15 09:08	10
Toxaphene	ND		4.8	1.2	ug/L		12/09/15 07:57	12/10/15 09:08	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	12/09/15 07:57	12/10/15 09:08	10
Tetrachloro-m-xylene	156	X	36 - 120	12/09/15 07:57	12/10/15 09:08	10

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-17 120815

Lab Sample ID: 480-92323-2

Date Collected: 12/08/15 09:41

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.8	ug/L			12/19/15 05:33	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/19/15 05:33	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/19/15 05:33	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/19/15 05:33	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/19/15 05:33	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/19/15 05:33	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/19/15 05:33	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			12/19/15 05:33	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/15 05:33	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			12/19/15 05:33	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/15 05:33	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			12/19/15 05:33	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/19/15 05:33	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/19/15 05:33	5
1,2-Dichlorobenzene	15		5.0	4.0	ug/L			12/19/15 05:33	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/19/15 05:33	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/19/15 05:33	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			12/19/15 05:33	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/19/15 05:33	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			12/19/15 05:33	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/19/15 05:33	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			12/19/15 05:33	5
2-Butanone (MEK)	ND		50	6.6	ug/L			12/19/15 05:33	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			12/19/15 05:33	5
2-Hexanone	ND	*	25	6.2	ug/L			12/19/15 05:33	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			12/19/15 05:33	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			12/19/15 05:33	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/19/15 05:33	5
Acetone	25	J	50	15	ug/L			12/19/15 05:33	5
Benzene	ND		5.0	2.1	ug/L			12/19/15 05:33	5
Bromobenzene	ND		5.0	4.0	ug/L			12/19/15 05:33	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/19/15 05:33	5
Bromoform	ND		5.0	1.3	ug/L			12/19/15 05:33	5
Bromomethane	ND		5.0	3.5	ug/L			12/19/15 05:33	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/19/15 05:33	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/19/15 05:33	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/19/15 05:33	5
Chlorobromomethane	ND		5.0	4.4	ug/L			12/19/15 05:33	5
Chloroethane	ND		5.0	1.6	ug/L			12/19/15 05:33	5
Chloroform	ND		5.0	1.7	ug/L			12/19/15 05:33	5
Chloromethane	7.0	^	5.0	1.8	ug/L			12/19/15 05:33	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			12/19/15 05:33	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/19/15 05:33	5
Cyclohexane	ND		5.0	0.90	ug/L			12/19/15 05:33	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/19/15 05:33	5
Dibromomethane	ND		5.0	2.1	ug/L			12/19/15 05:33	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/19/15 05:33	5
Ethylbenzene	ND		5.0	3.7	ug/L			12/19/15 05:33	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			12/19/15 05:33	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-17 120815

Lab Sample ID: 480-92323-2

Date Collected: 12/08/15 09:41

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			12/19/15 05:33	5
Isopropylbenzene	ND		5.0	4.0	ug/L			12/19/15 05:33	5
m,p-Xylene	ND		10	3.3	ug/L			12/19/15 05:33	5
Methyl acetate	ND		13	6.5	ug/L			12/19/15 05:33	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/19/15 05:33	5
Methylcyclohexane	ND		5.0	0.80	ug/L			12/19/15 05:33	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/19/15 05:33	5
Naphthalene	ND		5.0	2.2	ug/L			12/19/15 05:33	5
n-Butylbenzene	ND		5.0	3.2	ug/L			12/19/15 05:33	5
N-Propylbenzene	ND		5.0	3.5	ug/L			12/19/15 05:33	5
o-Xylene	8.2		5.0	3.8	ug/L			12/19/15 05:33	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			12/19/15 05:33	5
Styrene	ND		5.0	3.7	ug/L			12/19/15 05:33	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			12/19/15 05:33	5
Tetrachloroethene	4.1 J		5.0	1.8	ug/L			12/19/15 05:33	5
Toluene	ND		5.0	2.6	ug/L			12/19/15 05:33	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/19/15 05:33	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/19/15 05:33	5
Trichloroethene	ND		5.0	2.3	ug/L			12/19/15 05:33	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/19/15 05:33	5
Vinyl acetate	ND		25	4.3	ug/L			12/19/15 05:33	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/19/15 05:33	5
Xylenes, Total	8.2 J		10	3.3	ug/L			12/19/15 05:33	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		66 - 137		12/19/15 05:33	5
4-Bromofluorobenzene (Surr)	97		73 - 120		12/19/15 05:33	5
Dibromofluoromethane (Surr)	88		60 - 140		12/19/15 05:33	5
Toluene-d8 (Surr)	100		71 - 126		12/19/15 05:33	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.62	ug/L		12/09/15 08:04	12/15/15 16:16	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,4,5-Trichlorophenol	0.56 J		4.8	0.46	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,4-Dinitrophenol	ND		9.5	2.1	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		12/09/15 08:04	12/15/15 16:16	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 16:16	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		12/09/15 08:04	12/15/15 16:16	1
2-Chlorophenol	ND		4.8	0.51	ug/L		12/09/15 08:04	12/15/15 16:16	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		12/09/15 08:04	12/15/15 16:16	1
2-Methylphenol	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 16:16	1
2-Nitroaniline	ND		9.5	0.40	ug/L		12/09/15 08:04	12/15/15 16:16	1
2-Nitrophenol	ND		4.8	0.46	ug/L		12/09/15 08:04	12/15/15 16:16	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 16:16	1
3-Nitroaniline	ND		9.5	0.46	ug/L		12/09/15 08:04	12/15/15 16:16	1
4,6-Dinitro-2-methylphenol	ND		9.5	2.1	ug/L		12/09/15 08:04	12/15/15 16:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-17 120815

Lab Sample ID: 480-92323-2

Date Collected: 12/08/15 09:41

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.8	0.43	ug/L		12/09/15 08:04	12/15/15 16:16	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		12/09/15 08:04	12/15/15 16:16	1
4-Chloroaniline	ND		4.8	0.56	ug/L		12/09/15 08:04	12/15/15 16:16	1
4-Chlorophenyl phenyl ether	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 16:16	1
4-Methylphenol	0.66	J	9.5	0.34	ug/L		12/09/15 08:04	12/15/15 16:16	1
4-Nitroaniline	ND		9.5	0.24	ug/L		12/09/15 08:04	12/15/15 16:16	1
4-Nitrophenol	ND		9.5	1.4	ug/L		12/09/15 08:04	12/15/15 16:16	1
Acenaphthene	ND		4.8	0.39	ug/L		12/09/15 08:04	12/15/15 16:16	1
Acenaphthylene	ND		4.8	0.36	ug/L		12/09/15 08:04	12/15/15 16:16	1
Acetophenone	27		4.8	0.51	ug/L		12/09/15 08:04	12/15/15 16:16	1
Anthracene	ND		4.8	0.27	ug/L		12/09/15 08:04	12/15/15 16:16	1
Atrazine	ND		4.8	0.44	ug/L		12/09/15 08:04	12/15/15 16:16	1
Benzaldehyde	ND		4.8	0.25	ug/L		12/09/15 08:04	12/15/15 16:16	1
Benzo(a)anthracene	ND		4.8	0.34	ug/L		12/09/15 08:04	12/15/15 16:16	1
Benzo(a)pyrene	ND		4.8	0.45	ug/L		12/09/15 08:04	12/15/15 16:16	1
Benzo(b)fluoranthene	ND		4.8	0.32	ug/L		12/09/15 08:04	12/15/15 16:16	1
Benzo(g,h,i)perylene	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 16:16	1
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L		12/09/15 08:04	12/15/15 16:16	1
Bis(2-chloroethoxy)methane	ND		4.8	0.33	ug/L		12/09/15 08:04	12/15/15 16:16	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 16:16	1
Bis(2-ethylhexyl) phthalate	ND		4.8	1.7	ug/L		12/09/15 08:04	12/15/15 16:16	1
Butyl benzyl phthalate	ND		4.8	0.40	ug/L		12/09/15 08:04	12/15/15 16:16	1
Caprolactam	ND		4.8	2.1	ug/L		12/09/15 08:04	12/15/15 16:16	1
Carbazole	ND		4.8	0.29	ug/L		12/09/15 08:04	12/15/15 16:16	1
Chrysene	ND		4.8	0.31	ug/L		12/09/15 08:04	12/15/15 16:16	1
Di-n-butyl phthalate	0.80	J	4.8	0.30	ug/L		12/09/15 08:04	12/15/15 16:16	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		12/09/15 08:04	12/15/15 16:16	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		12/09/15 08:04	12/15/15 16:16	1
Dibenzofuran	ND		9.5	0.49	ug/L		12/09/15 08:04	12/15/15 16:16	1
Diethyl phthalate	ND		4.8	0.21	ug/L		12/09/15 08:04	12/15/15 16:16	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		12/09/15 08:04	12/15/15 16:16	1
Fluoranthene	ND		4.8	0.38	ug/L		12/09/15 08:04	12/15/15 16:16	1
Fluorene	ND		4.8	0.34	ug/L		12/09/15 08:04	12/15/15 16:16	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		12/09/15 08:04	12/15/15 16:16	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		12/09/15 08:04	12/15/15 16:16	1
Hexachlorocyclopentadiene	ND		4.8	0.56	ug/L		12/09/15 08:04	12/15/15 16:16	1
Hexachloroethane	ND		4.8	0.56	ug/L		12/09/15 08:04	12/15/15 16:16	1
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L		12/09/15 08:04	12/15/15 16:16	1
Isophorone	ND		4.8	0.41	ug/L		12/09/15 08:04	12/15/15 16:16	1
N-Nitrosodi-n-propylamine	ND		4.8	0.51	ug/L		12/09/15 08:04	12/15/15 16:16	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		12/09/15 08:04	12/15/15 16:16	1
Naphthalene	ND		4.8	0.72	ug/L		12/09/15 08:04	12/15/15 16:16	1
Nitrobenzene	ND		4.8	0.28	ug/L		12/09/15 08:04	12/15/15 16:16	1
Pentachlorophenol	ND		9.5	2.1	ug/L		12/09/15 08:04	12/15/15 16:16	1
Phenanthrene	ND		4.8	0.42	ug/L		12/09/15 08:04	12/15/15 16:16	1
Phenol	ND		4.8	0.37	ug/L		12/09/15 08:04	12/15/15 16:16	1
Pyrene	ND		4.8	0.32	ug/L		12/09/15 08:04	12/15/15 16:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	104		52 - 132	12/09/15 08:04	12/15/15 16:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-17 120815

Lab Sample ID: 480-92323-2

Date Collected: 12/08/15 09:41

Matrix: Water

Date Received: 12/09/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		48 - 120	12/09/15 08:04	12/15/15 16:16	1
2-Fluorophenol	49		20 - 120	12/09/15 08:04	12/15/15 16:16	1
Nitrobenzene-d5	70		46 - 120	12/09/15 08:04	12/15/15 16:16	1
p-Terphenyl-d14	64	X	67 - 150	12/09/15 08:04	12/15/15 16:16	1
Phenol-d5	40		16 - 120	12/09/15 08:04	12/15/15 16:16	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.46	0.085	ug/L		12/09/15 07:57	12/10/15 09:27	10
4,4'-DDE	ND		0.46	0.11	ug/L		12/09/15 07:57	12/10/15 09:27	10
4,4'-DDT	ND		0.46	0.10	ug/L		12/09/15 07:57	12/10/15 09:27	10
Aldrin	0.14	J	0.46	0.074	ug/L		12/09/15 07:57	12/10/15 09:27	10
alpha-BHC	0.086	J	0.46	0.071	ug/L		12/09/15 07:57	12/10/15 09:27	10
alpha-Chlordane	ND		0.46	0.14	ug/L		12/09/15 07:57	12/10/15 09:27	10
beta-BHC	ND		0.46	0.23	ug/L		12/09/15 07:57	12/10/15 09:27	10
delta-BHC	0.25	J	0.46	0.092	ug/L		12/09/15 07:57	12/10/15 09:27	10
Dieldrin	0.13	J	0.46	0.090	ug/L		12/09/15 07:57	12/10/15 09:27	10
Endosulfan I	ND		0.46	0.10	ug/L		12/09/15 07:57	12/10/15 09:27	10
Endosulfan II	ND		0.46	0.11	ug/L		12/09/15 07:57	12/10/15 09:27	10
Endosulfan sulfate	0.27	J	0.46	0.14	ug/L		12/09/15 07:57	12/10/15 09:27	10
Endrin	ND		0.46	0.13	ug/L		12/09/15 07:57	12/10/15 09:27	10
Endrin aldehyde	ND		0.46	0.15	ug/L		12/09/15 07:57	12/10/15 09:27	10
Endrin ketone	ND		0.46	0.11	ug/L		12/09/15 07:57	12/10/15 09:27	10
gamma-BHC (Lindane)	0.12	J	0.46	0.074	ug/L		12/09/15 07:57	12/10/15 09:27	10
gamma-Chlordane	ND		0.46	0.10	ug/L		12/09/15 07:57	12/10/15 09:27	10
Heptachlor	ND		0.46	0.078	ug/L		12/09/15 07:57	12/10/15 09:27	10
Heptachlor epoxide	ND		0.46	0.068	ug/L		12/09/15 07:57	12/10/15 09:27	10
Methoxychlor	ND		0.46	0.13	ug/L		12/09/15 07:57	12/10/15 09:27	10
Toxaphene	ND		4.6	1.1	ug/L		12/09/15 07:57	12/10/15 09:27	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	12/09/15 07:57	12/10/15 09:27	10
Tetrachloro-m-xylene	151	X	36 - 120	12/09/15 07:57	12/10/15 09:27	10

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-18 120815

Lab Sample ID: 480-92323-3

Date Collected: 12/08/15 10:03

Matrix: Water

Date Received: 12/09/15 01:20

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			12/19/15 05:56	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/19/15 05:56	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/19/15 05:56	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/19/15 05:56	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/19/15 05:56	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/19/15 05:56	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/19/15 05:56	10
1,1-Dichloropropene	ND		10	7.2	ug/L			12/19/15 05:56	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			12/19/15 05:56	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			12/19/15 05:56	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/19/15 05:56	10
1,2,4-Trimethylbenzene	15		10	7.5	ug/L			12/19/15 05:56	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/19/15 05:56	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/19/15 05:56	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/19/15 05:56	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/19/15 05:56	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/19/15 05:56	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			12/19/15 05:56	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/19/15 05:56	10
1,3-Dichloropropane	ND		10	7.5	ug/L			12/19/15 05:56	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/19/15 05:56	10
2,2-Dichloropropane	ND		10	4.0	ug/L			12/19/15 05:56	10
2-Butanone (MEK)	ND		100	13	ug/L			12/19/15 05:56	10
2-Chlorotoluene	ND		10	8.6	ug/L			12/19/15 05:56	10
2-Hexanone	ND	*	50	12	ug/L			12/19/15 05:56	10
4-Chlorotoluene	ND		10	8.4	ug/L			12/19/15 05:56	10
4-Isopropyltoluene	3.5	J	10	3.1	ug/L			12/19/15 05:56	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/19/15 05:56	10
Acetone	73	J	100	30	ug/L			12/19/15 05:56	10
Benzene	ND		10	4.1	ug/L			12/19/15 05:56	10
Bromobenzene	ND		10	8.0	ug/L			12/19/15 05:56	10
Bromodichloromethane	ND		10	3.9	ug/L			12/19/15 05:56	10
Bromoform	ND		10	2.6	ug/L			12/19/15 05:56	10
Bromomethane	ND		10	6.9	ug/L			12/19/15 05:56	10
Carbon disulfide	ND		10	1.9	ug/L			12/19/15 05:56	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/19/15 05:56	10
Chlorobenzene	ND		10	7.5	ug/L			12/19/15 05:56	10
Chlorobromomethane	ND		10	8.7	ug/L			12/19/15 05:56	10
Chloroethane	ND		10	3.2	ug/L			12/19/15 05:56	10
Chloroform	ND		10	3.4	ug/L			12/19/15 05:56	10
Chloromethane	17	^	10	3.5	ug/L			12/19/15 05:56	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/19/15 05:56	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/19/15 05:56	10
Cyclohexane	ND		10	1.8	ug/L			12/19/15 05:56	10
Dibromochloromethane	ND		10	3.2	ug/L			12/19/15 05:56	10
Dibromomethane	ND		10	4.1	ug/L			12/19/15 05:56	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/19/15 05:56	10
Ethylbenzene	ND		10	7.4	ug/L			12/19/15 05:56	10
Hexachlorobutadiene	ND		10	2.8	ug/L			12/19/15 05:56	10

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-18 120815

Lab Sample ID: 480-92323-3

Date Collected: 12/08/15 10:03

Matrix: Water

Date Received: 12/09/15 01:20

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			12/19/15 05:56	10
Isopropylbenzene	ND		10	7.9	ug/L			12/19/15 05:56	10
m,p-Xylene	ND		20	6.6	ug/L			12/19/15 05:56	10
Methyl acetate	ND		25	13	ug/L			12/19/15 05:56	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/19/15 05:56	10
Methylcyclohexane	ND		10	1.6	ug/L			12/19/15 05:56	10
Methylene Chloride	4.5	J	10	4.4	ug/L			12/19/15 05:56	10
Naphthalene	9.2	J	10	4.3	ug/L			12/19/15 05:56	10
n-Butylbenzene	ND		10	6.4	ug/L			12/19/15 05:56	10
N-Propylbenzene	ND		10	6.9	ug/L			12/19/15 05:56	10
o-Xylene	ND		10	7.6	ug/L			12/19/15 05:56	10
sec-Butylbenzene	ND		10	7.5	ug/L			12/19/15 05:56	10
Styrene	ND		10	7.3	ug/L			12/19/15 05:56	10
tert-Butylbenzene	ND		10	8.1	ug/L			12/19/15 05:56	10
Tetrachloroethene	ND		10	3.6	ug/L			12/19/15 05:56	10
Toluene	ND		10	5.1	ug/L			12/19/15 05:56	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/19/15 05:56	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/19/15 05:56	10
Trichloroethene	ND		10	4.6	ug/L			12/19/15 05:56	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/19/15 05:56	10
Vinyl acetate	ND		50	8.5	ug/L			12/19/15 05:56	10
Vinyl chloride	ND		10	9.0	ug/L			12/19/15 05:56	10
Xylenes, Total	ND		20	6.6	ug/L			12/19/15 05:56	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		66 - 137		12/19/15 05:56	10
4-Bromofluorobenzene (Surr)	97		73 - 120		12/19/15 05:56	10
Dibromofluoromethane (Surr)	90		60 - 140		12/19/15 05:56	10
Toluene-d8 (Surr)	101		71 - 126		12/19/15 05:56	10

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		12/09/15 08:04	12/15/15 16:45	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,4,5-Trichlorophenol	ND		4.6	0.44	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,4,6-Trichlorophenol	ND		4.6	0.56	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,4-Dimethylphenol	ND		4.6	0.46	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,4-Dinitrophenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 16:45	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 16:45	1
2-Chloronaphthalene	ND		4.6	0.42	ug/L		12/09/15 08:04	12/15/15 16:45	1
2-Chlorophenol	ND		4.6	0.49	ug/L		12/09/15 08:04	12/15/15 16:45	1
2-Methylnaphthalene	5.4		4.6	0.55	ug/L		12/09/15 08:04	12/15/15 16:45	1
2-Methylphenol	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 16:45	1
2-Nitroaniline	ND		9.2	0.39	ug/L		12/09/15 08:04	12/15/15 16:45	1
2-Nitrophenol	ND		4.6	0.44	ug/L		12/09/15 08:04	12/15/15 16:45	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 16:45	1
3-Nitroaniline	ND		9.2	0.44	ug/L		12/09/15 08:04	12/15/15 16:45	1
4,6-Dinitro-2-methylphenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 16:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-18 120815

Lab Sample ID: 480-92323-3

Date Collected: 12/08/15 10:03

Matrix: Water

Date Received: 12/09/15 01:20

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	0.41	ug/L		12/09/15 08:04	12/15/15 16:45	1
4-Chloro-3-methylphenol	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 16:45	1
4-Chloroaniline	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 16:45	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 16:45	1
4-Methylphenol	1.5	J	9.2	0.33	ug/L		12/09/15 08:04	12/15/15 16:45	1
4-Nitroaniline	ND		9.2	0.23	ug/L		12/09/15 08:04	12/15/15 16:45	1
4-Nitrophenol	ND		9.2	1.4	ug/L		12/09/15 08:04	12/15/15 16:45	1
Acenaphthene	ND		4.6	0.38	ug/L		12/09/15 08:04	12/15/15 16:45	1
Acenaphthylene	ND		4.6	0.35	ug/L		12/09/15 08:04	12/15/15 16:45	1
Acetophenone	ND		4.6	0.50	ug/L		12/09/15 08:04	12/15/15 16:45	1
Anthracene	ND		4.6	0.26	ug/L		12/09/15 08:04	12/15/15 16:45	1
Atrazine	ND		4.6	0.42	ug/L		12/09/15 08:04	12/15/15 16:45	1
Benzaldehyde	8.5		4.6	0.25	ug/L		12/09/15 08:04	12/15/15 16:45	1
Benzo(a)anthracene	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 16:45	1
Benzo(a)pyrene	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 16:45	1
Benzo(b)fluoranthene	ND		4.6	0.31	ug/L		12/09/15 08:04	12/15/15 16:45	1
Benzo(g,h,i)perylene	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 16:45	1
Benzo(k)fluoranthene	ND		4.6	0.67	ug/L		12/09/15 08:04	12/15/15 16:45	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 16:45	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 16:45	1
Bis(2-ethylhexyl) phthalate	ND		4.6	1.7	ug/L		12/09/15 08:04	12/15/15 16:45	1
Butyl benzyl phthalate	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 16:45	1
Caprolactam	ND		4.6	2.0	ug/L		12/09/15 08:04	12/15/15 16:45	1
Carbazole	ND		4.6	0.28	ug/L		12/09/15 08:04	12/15/15 16:45	1
Chrysene	ND		4.6	0.30	ug/L		12/09/15 08:04	12/15/15 16:45	1
Di-n-butyl phthalate	0.47	J	4.6	0.28	ug/L		12/09/15 08:04	12/15/15 16:45	1
Di-n-octyl phthalate	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 16:45	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 16:45	1
Dibenzofuran	ND		9.2	0.47	ug/L		12/09/15 08:04	12/15/15 16:45	1
Diethyl phthalate	ND		4.6	0.20	ug/L		12/09/15 08:04	12/15/15 16:45	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 16:45	1
Fluoranthene	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 16:45	1
Fluorene	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 16:45	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 16:45	1
Hexachlorobutadiene	ND		4.6	0.62	ug/L		12/09/15 08:04	12/15/15 16:45	1
Hexachlorocyclopentadiene	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 16:45	1
Hexachloroethane	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 16:45	1
Indeno(1,2,3-cd)pyrene	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 16:45	1
Isophorone	ND		4.6	0.40	ug/L		12/09/15 08:04	12/15/15 16:45	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		12/09/15 08:04	12/15/15 16:45	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 16:45	1
Naphthalene	13		4.6	0.70	ug/L		12/09/15 08:04	12/15/15 16:45	1
Nitrobenzene	ND		4.6	0.27	ug/L		12/09/15 08:04	12/15/15 16:45	1
Pentachlorophenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 16:45	1
Phenanthrene	ND		4.6	0.40	ug/L		12/09/15 08:04	12/15/15 16:45	1
Phenol	ND		4.6	0.36	ug/L		12/09/15 08:04	12/15/15 16:45	1
Pyrene	ND		4.6	0.31	ug/L		12/09/15 08:04	12/15/15 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	106		52 - 132	12/09/15 08:04	12/15/15 16:45	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-18 120815

Lab Sample ID: 480-92323-3

Date Collected: 12/08/15 10:03

Matrix: Water

Date Received: 12/09/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	70		48 - 120	12/09/15 08:04	12/15/15 16:45	1
2-Fluorophenol	51		20 - 120	12/09/15 08:04	12/15/15 16:45	1
Nitrobenzene-d5	81		46 - 120	12/09/15 08:04	12/15/15 16:45	1
p-Terphenyl-d14	67		67 - 150	12/09/15 08:04	12/15/15 16:45	1
Phenol-d5	40		16 - 120	12/09/15 08:04	12/15/15 16:45	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.46	0.085	ug/L		12/09/15 07:57	12/10/15 09:45	10
4,4'-DDE	ND		0.46	0.11	ug/L		12/09/15 07:57	12/10/15 09:45	10
4,4'-DDT	ND		0.46	0.10	ug/L		12/09/15 07:57	12/10/15 09:45	10
Aldrin	0.11	J	0.46	0.075	ug/L		12/09/15 07:57	12/10/15 09:45	10
alpha-BHC	0.13	J	0.46	0.071	ug/L		12/09/15 07:57	12/10/15 09:45	10
alpha-Chlordane	ND		0.46	0.14	ug/L		12/09/15 07:57	12/10/15 09:45	10
beta-BHC	ND		0.46	0.23	ug/L		12/09/15 07:57	12/10/15 09:45	10
delta-BHC	0.25	J	0.46	0.092	ug/L		12/09/15 07:57	12/10/15 09:45	10
Dieldrin	0.10	J	0.46	0.090	ug/L		12/09/15 07:57	12/10/15 09:45	10
Endosulfan I	ND		0.46	0.10	ug/L		12/09/15 07:57	12/10/15 09:45	10
Endosulfan II	ND		0.46	0.11	ug/L		12/09/15 07:57	12/10/15 09:45	10
Endosulfan sulfate	0.24	J	0.46	0.14	ug/L		12/09/15 07:57	12/10/15 09:45	10
Endrin	ND		0.46	0.13	ug/L		12/09/15 07:57	12/10/15 09:45	10
Endrin aldehyde	ND		0.46	0.15	ug/L		12/09/15 07:57	12/10/15 09:45	10
Endrin ketone	ND		0.46	0.11	ug/L		12/09/15 07:57	12/10/15 09:45	10
gamma-BHC (Lindane)	0.13	J	0.46	0.074	ug/L		12/09/15 07:57	12/10/15 09:45	10
gamma-Chlordane	ND		0.46	0.10	ug/L		12/09/15 07:57	12/10/15 09:45	10
Heptachlor	ND		0.46	0.078	ug/L		12/09/15 07:57	12/10/15 09:45	10
Heptachlor epoxide	ND		0.46	0.068	ug/L		12/09/15 07:57	12/10/15 09:45	10
Methoxychlor	0.13	J	0.46	0.13	ug/L		12/09/15 07:57	12/10/15 09:45	10
Toxaphene	ND		4.6	1.1	ug/L		12/09/15 07:57	12/10/15 09:45	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	12/09/15 07:57	12/10/15 09:45	10
Tetrachloro-m-xylene	189	X	36 - 120	12/09/15 07:57	12/10/15 09:45	10

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-22 120815

Lab Sample ID: 480-92323-4

Date Collected: 12/08/15 10:55

Matrix: Water

Date Received: 12/09/15 01:20

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			12/19/15 06:19	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			12/19/15 06:19	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			12/19/15 06:19	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			12/19/15 06:19	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			12/19/15 06:19	10
1,1-Dichloroethane	ND		10	3.8	ug/L			12/19/15 06:19	10
1,1-Dichloroethene	ND		10	2.9	ug/L			12/19/15 06:19	10
1,1-Dichloropropene	ND		10	7.2	ug/L			12/19/15 06:19	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			12/19/15 06:19	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			12/19/15 06:19	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			12/19/15 06:19	10
1,2,4-Trimethylbenzene	26		10	7.5	ug/L			12/19/15 06:19	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			12/19/15 06:19	10
1,2-Dibromoethane	ND		10	7.3	ug/L			12/19/15 06:19	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			12/19/15 06:19	10
1,2-Dichloroethane	ND		10	2.1	ug/L			12/19/15 06:19	10
1,2-Dichloropropane	ND		10	7.2	ug/L			12/19/15 06:19	10
1,3,5-Trimethylbenzene	13		10	7.7	ug/L			12/19/15 06:19	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			12/19/15 06:19	10
1,3-Dichloropropane	ND		10	7.5	ug/L			12/19/15 06:19	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			12/19/15 06:19	10
2,2-Dichloropropane	ND		10	4.0	ug/L			12/19/15 06:19	10
2-Butanone (MEK)	ND		100	13	ug/L			12/19/15 06:19	10
2-Chlorotoluene	ND		10	8.6	ug/L			12/19/15 06:19	10
2-Hexanone	ND	*	50	12	ug/L			12/19/15 06:19	10
4-Chlorotoluene	ND		10	8.4	ug/L			12/19/15 06:19	10
4-Isopropyltoluene	8.2	J	10	3.1	ug/L			12/19/15 06:19	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			12/19/15 06:19	10
Acetone	ND		100	30	ug/L			12/19/15 06:19	10
Benzene	ND		10	4.1	ug/L			12/19/15 06:19	10
Bromobenzene	ND		10	8.0	ug/L			12/19/15 06:19	10
Bromodichloromethane	ND		10	3.9	ug/L			12/19/15 06:19	10
Bromoform	ND		10	2.6	ug/L			12/19/15 06:19	10
Bromomethane	ND		10	6.9	ug/L			12/19/15 06:19	10
Carbon disulfide	ND		10	1.9	ug/L			12/19/15 06:19	10
Carbon tetrachloride	ND		10	2.7	ug/L			12/19/15 06:19	10
Chlorobenzene	ND		10	7.5	ug/L			12/19/15 06:19	10
Chlorobromomethane	ND		10	8.7	ug/L			12/19/15 06:19	10
Chloroethane	ND		10	3.2	ug/L			12/19/15 06:19	10
Chloroform	ND		10	3.4	ug/L			12/19/15 06:19	10
Chloromethane	ND		10	3.5	ug/L			12/19/15 06:19	10
cis-1,2-Dichloroethene	ND		10	8.1	ug/L			12/19/15 06:19	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			12/19/15 06:19	10
Cyclohexane	ND		10	1.8	ug/L			12/19/15 06:19	10
Dibromochloromethane	ND		10	3.2	ug/L			12/19/15 06:19	10
Dibromomethane	ND		10	4.1	ug/L			12/19/15 06:19	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/19/15 06:19	10
Ethylbenzene	ND		10	7.4	ug/L			12/19/15 06:19	10
Hexachlorobutadiene	ND		10	2.8	ug/L			12/19/15 06:19	10

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-22 120815

Lab Sample ID: 480-92323-4

Date Collected: 12/08/15 10:55

Matrix: Water

Date Received: 12/09/15 01:20

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			12/19/15 06:19	10
Isopropylbenzene	ND		10	7.9	ug/L			12/19/15 06:19	10
m,p-Xylene	ND		20	6.6	ug/L			12/19/15 06:19	10
Methyl acetate	ND		25	13	ug/L			12/19/15 06:19	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			12/19/15 06:19	10
Methylcyclohexane	ND		10	1.6	ug/L			12/19/15 06:19	10
Methylene Chloride	ND		10	4.4	ug/L			12/19/15 06:19	10
Naphthalene	4.3	J	10	4.3	ug/L			12/19/15 06:19	10
n-Butylbenzene	9.8	J ^	10	6.4	ug/L			12/19/15 06:19	10
N-Propylbenzene	ND		10	6.9	ug/L			12/19/15 06:19	10
o-Xylene	ND		10	7.6	ug/L			12/19/15 06:19	10
sec-Butylbenzene	ND		10	7.5	ug/L			12/19/15 06:19	10
Styrene	ND		10	7.3	ug/L			12/19/15 06:19	10
tert-Butylbenzene	ND		10	8.1	ug/L			12/19/15 06:19	10
Tetrachloroethene	ND		10	3.6	ug/L			12/19/15 06:19	10
Toluene	ND		10	5.1	ug/L			12/19/15 06:19	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			12/19/15 06:19	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			12/19/15 06:19	10
Trichloroethene	ND		10	4.6	ug/L			12/19/15 06:19	10
Trichlorofluoromethane	ND		10	8.8	ug/L			12/19/15 06:19	10
Vinyl acetate	ND		50	8.5	ug/L			12/19/15 06:19	10
Vinyl chloride	ND		10	9.0	ug/L			12/19/15 06:19	10
Xylenes, Total	ND		20	6.6	ug/L			12/19/15 06:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		66 - 137		12/19/15 06:19	10
4-Bromofluorobenzene (Surr)	99		73 - 120		12/19/15 06:19	10
Dibromofluoromethane (Surr)	90		60 - 140		12/19/15 06:19	10
Toluene-d8 (Surr)	101		71 - 126		12/19/15 06:19	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		12/09/15 08:04	12/15/15 17:13	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,4,6-Trichlorophenol	ND		4.9	0.60	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,4-Dinitrophenol	ND		9.8	2.2	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		12/09/15 08:04	12/15/15 17:13	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		12/09/15 08:04	12/15/15 17:13	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		12/09/15 08:04	12/15/15 17:13	1
2-Chlorophenol	ND		4.9	0.52	ug/L		12/09/15 08:04	12/15/15 17:13	1
2-Methylnaphthalene	2.1	J	4.9	0.59	ug/L		12/09/15 08:04	12/15/15 17:13	1
2-Methylphenol	ND		4.9	0.39	ug/L		12/09/15 08:04	12/15/15 17:13	1
2-Nitroaniline	ND		9.8	0.41	ug/L		12/09/15 08:04	12/15/15 17:13	1
2-Nitrophenol	ND		4.9	0.47	ug/L		12/09/15 08:04	12/15/15 17:13	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		12/09/15 08:04	12/15/15 17:13	1
3-Nitroaniline	ND		9.8	0.47	ug/L		12/09/15 08:04	12/15/15 17:13	1
4,6-Dinitro-2-methylphenol	ND		9.8	2.2	ug/L		12/09/15 08:04	12/15/15 17:13	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-22 120815

Lab Sample ID: 480-92323-4

Date Collected: 12/08/15 10:55

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.9	0.44	ug/L		12/09/15 08:04	12/15/15 17:13	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		12/09/15 08:04	12/15/15 17:13	1
4-Chloroaniline	ND		4.9	0.58	ug/L		12/09/15 08:04	12/15/15 17:13	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		12/09/15 08:04	12/15/15 17:13	1
4-Methylphenol	0.95	J	9.8	0.35	ug/L		12/09/15 08:04	12/15/15 17:13	1
4-Nitroaniline	ND		9.8	0.24	ug/L		12/09/15 08:04	12/15/15 17:13	1
4-Nitrophenol	ND		9.8	1.5	ug/L		12/09/15 08:04	12/15/15 17:13	1
Acenaphthene	ND		4.9	0.40	ug/L		12/09/15 08:04	12/15/15 17:13	1
Acenaphthylene	ND		4.9	0.37	ug/L		12/09/15 08:04	12/15/15 17:13	1
Acetophenone	ND		4.9	0.53	ug/L		12/09/15 08:04	12/15/15 17:13	1
Anthracene	ND		4.9	0.27	ug/L		12/09/15 08:04	12/15/15 17:13	1
Atrazine	ND		4.9	0.45	ug/L		12/09/15 08:04	12/15/15 17:13	1
Benzaldehyde	ND		4.9	0.26	ug/L		12/09/15 08:04	12/15/15 17:13	1
Benzo(a)anthracene	ND		4.9	0.35	ug/L		12/09/15 08:04	12/15/15 17:13	1
Benzo(a)pyrene	ND		4.9	0.46	ug/L		12/09/15 08:04	12/15/15 17:13	1
Benzo(b)fluoranthene	ND		4.9	0.33	ug/L		12/09/15 08:04	12/15/15 17:13	1
Benzo(g,h,i)perylene	ND		4.9	0.34	ug/L		12/09/15 08:04	12/15/15 17:13	1
Benzo(k)fluoranthene	ND		4.9	0.71	ug/L		12/09/15 08:04	12/15/15 17:13	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		12/09/15 08:04	12/15/15 17:13	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		12/09/15 08:04	12/15/15 17:13	1
Bis(2-ethylhexyl) phthalate	ND		4.9	1.8	ug/L		12/09/15 08:04	12/15/15 17:13	1
Butyl benzyl phthalate	ND		4.9	0.41	ug/L		12/09/15 08:04	12/15/15 17:13	1
Caprolactam	ND		4.9	2.2	ug/L		12/09/15 08:04	12/15/15 17:13	1
Carbazole	ND		4.9	0.29	ug/L		12/09/15 08:04	12/15/15 17:13	1
Chrysene	ND		4.9	0.32	ug/L		12/09/15 08:04	12/15/15 17:13	1
Di-n-butyl phthalate	2.0	J	4.9	0.30	ug/L		12/09/15 08:04	12/15/15 17:13	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		12/09/15 08:04	12/15/15 17:13	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		12/09/15 08:04	12/15/15 17:13	1
Dibenzofuran	ND		9.8	0.50	ug/L		12/09/15 08:04	12/15/15 17:13	1
Diethyl phthalate	ND		4.9	0.22	ug/L		12/09/15 08:04	12/15/15 17:13	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		12/09/15 08:04	12/15/15 17:13	1
Fluoranthene	ND		4.9	0.39	ug/L		12/09/15 08:04	12/15/15 17:13	1
Fluorene	0.35	J	4.9	0.35	ug/L		12/09/15 08:04	12/15/15 17:13	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		12/09/15 08:04	12/15/15 17:13	1
Hexachlorobutadiene	ND		4.9	0.67	ug/L		12/09/15 08:04	12/15/15 17:13	1
Hexachlorocyclopentadiene	ND		4.9	0.58	ug/L		12/09/15 08:04	12/15/15 17:13	1
Hexachloroethane	ND		4.9	0.58	ug/L		12/09/15 08:04	12/15/15 17:13	1
Indeno(1,2,3-cd)pyrene	ND		4.9	0.46	ug/L		12/09/15 08:04	12/15/15 17:13	1
Isophorone	ND		4.9	0.42	ug/L		12/09/15 08:04	12/15/15 17:13	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		12/09/15 08:04	12/15/15 17:13	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		12/09/15 08:04	12/15/15 17:13	1
Naphthalene	3.1	J	4.9	0.74	ug/L		12/09/15 08:04	12/15/15 17:13	1
Nitrobenzene	ND		4.9	0.28	ug/L		12/09/15 08:04	12/15/15 17:13	1
Pentachlorophenol	ND		9.8	2.2	ug/L		12/09/15 08:04	12/15/15 17:13	1
Phenanthrene	ND		4.9	0.43	ug/L		12/09/15 08:04	12/15/15 17:13	1
Phenol	ND		4.9	0.38	ug/L		12/09/15 08:04	12/15/15 17:13	1
Pyrene	ND		4.9	0.33	ug/L		12/09/15 08:04	12/15/15 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	118		52 - 132	12/09/15 08:04	12/15/15 17:13	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-22 120815

Lab Sample ID: 480-92323-4

Date Collected: 12/08/15 10:55

Matrix: Water

Date Received: 12/09/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		48 - 120	12/09/15 08:04	12/15/15 17:13	1
2-Fluorophenol	57		20 - 120	12/09/15 08:04	12/15/15 17:13	1
Nitrobenzene-d5	81		46 - 120	12/09/15 08:04	12/15/15 17:13	1
p-Terphenyl-d14	60	X	67 - 150	12/09/15 08:04	12/15/15 17:13	1
Phenol-d5	41		16 - 120	12/09/15 08:04	12/15/15 17:13	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.16	J	0.50	0.092	ug/L		12/09/15 07:57	12/10/15 10:04	10
4,4'-DDE	ND		0.50	0.12	ug/L		12/09/15 07:57	12/10/15 10:04	10
4,4'-DDT	ND		0.50	0.11	ug/L		12/09/15 07:57	12/10/15 10:04	10
Aldrin	0.12	J	0.50	0.081	ug/L		12/09/15 07:57	12/10/15 10:04	10
alpha-BHC	0.084	J	0.50	0.077	ug/L		12/09/15 07:57	12/10/15 10:04	10
alpha-Chlordane	0.16	J	0.50	0.15	ug/L		12/09/15 07:57	12/10/15 10:04	10
beta-BHC	0.26	J	0.50	0.25	ug/L		12/09/15 07:57	12/10/15 10:04	10
delta-BHC	0.27	J	0.50	0.10	ug/L		12/09/15 07:57	12/10/15 10:04	10
Dieldrin	0.28	J	0.50	0.098	ug/L		12/09/15 07:57	12/10/15 10:04	10
Endosulfan I	ND		0.50	0.11	ug/L		12/09/15 07:57	12/10/15 10:04	10
Endosulfan II	ND		0.50	0.12	ug/L		12/09/15 07:57	12/10/15 10:04	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		12/09/15 07:57	12/10/15 10:04	10
Endrin	ND		0.50	0.14	ug/L		12/09/15 07:57	12/10/15 10:04	10
Endrin aldehyde	ND		0.50	0.16	ug/L		12/09/15 07:57	12/10/15 10:04	10
Endrin ketone	ND		0.50	0.12	ug/L		12/09/15 07:57	12/10/15 10:04	10
gamma-BHC (Lindane)	0.12	J	0.50	0.080	ug/L		12/09/15 07:57	12/10/15 10:04	10
gamma-Chlordane	ND		0.50	0.11	ug/L		12/09/15 07:57	12/10/15 10:04	10
Heptachlor	ND		0.50	0.085	ug/L		12/09/15 07:57	12/10/15 10:04	10
Heptachlor epoxide	0.25	J	0.50	0.074	ug/L		12/09/15 07:57	12/10/15 10:04	10
Methoxychlor	ND		0.50	0.14	ug/L		12/09/15 07:57	12/10/15 10:04	10
Toxaphene	ND		5.0	1.2	ug/L		12/09/15 07:57	12/10/15 10:04	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	12/09/15 07:57	12/10/15 10:04	10
Tetrachloro-m-xylene	296	X	36 - 120	12/09/15 07:57	12/10/15 10:04	10

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: ASW 120815

Lab Sample ID: 480-92323-5

Date Collected: 12/08/15 11:30

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		20	7.0	ug/L			12/19/15 06:42	20
1,1,1-Trichloroethane	ND		20	16	ug/L			12/19/15 06:42	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			12/19/15 06:42	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			12/19/15 06:42	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			12/19/15 06:42	20
1,1-Dichloroethane	ND		20	7.6	ug/L			12/19/15 06:42	20
1,1-Dichloroethene	ND		20	5.8	ug/L			12/19/15 06:42	20
1,1-Dichloropropene	ND		20	14	ug/L			12/19/15 06:42	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			12/19/15 06:42	20
1,2,3-Trichloropropane	ND		20	18	ug/L			12/19/15 06:42	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			12/19/15 06:42	20
1,2,4-Trimethylbenzene	950		20	15	ug/L			12/19/15 06:42	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			12/19/15 06:42	20
1,2-Dibromoethane	ND		20	15	ug/L			12/19/15 06:42	20
1,2-Dichlorobenzene	31		20	16	ug/L			12/19/15 06:42	20
1,2-Dichloroethane	ND		20	4.2	ug/L			12/19/15 06:42	20
1,2-Dichloropropane	ND		20	14	ug/L			12/19/15 06:42	20
1,3,5-Trimethylbenzene	310		20	15	ug/L			12/19/15 06:42	20
1,3-Dichlorobenzene	ND		20	16	ug/L			12/19/15 06:42	20
1,3-Dichloropropane	ND		20	15	ug/L			12/19/15 06:42	20
1,4-Dichlorobenzene	ND		20	17	ug/L			12/19/15 06:42	20
2,2-Dichloropropane	ND		20	8.0	ug/L			12/19/15 06:42	20
2-Butanone (MEK)	ND		200	26	ug/L			12/19/15 06:42	20
2-Chlorotoluene	ND		20	17	ug/L			12/19/15 06:42	20
2-Hexanone	ND	*	100	25	ug/L			12/19/15 06:42	20
4-Chlorotoluene	ND		20	17	ug/L			12/19/15 06:42	20
4-Isopropyltoluene	39		20	6.2	ug/L			12/19/15 06:42	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			12/19/15 06:42	20
Acetone	76	J	200	60	ug/L			12/19/15 06:42	20
Benzene	ND		20	8.2	ug/L			12/19/15 06:42	20
Bromobenzene	ND		20	16	ug/L			12/19/15 06:42	20
Bromodichloromethane	ND		20	7.8	ug/L			12/19/15 06:42	20
Bromoform	ND		20	5.2	ug/L			12/19/15 06:42	20
Bromomethane	ND		20	14	ug/L			12/19/15 06:42	20
Carbon disulfide	ND		20	3.8	ug/L			12/19/15 06:42	20
Carbon tetrachloride	ND		20	5.4	ug/L			12/19/15 06:42	20
Chlorobenzene	ND		20	15	ug/L			12/19/15 06:42	20
Chlorobromomethane	ND		20	17	ug/L			12/19/15 06:42	20
Chloroethane	ND		20	6.4	ug/L			12/19/15 06:42	20
Chloroform	ND		20	6.8	ug/L			12/19/15 06:42	20
Chloromethane	ND		20	7.0	ug/L			12/19/15 06:42	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			12/19/15 06:42	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			12/19/15 06:42	20
Cyclohexane	ND		20	3.6	ug/L			12/19/15 06:42	20
Dibromochloromethane	ND		20	6.4	ug/L			12/19/15 06:42	20
Dibromomethane	ND		20	8.2	ug/L			12/19/15 06:42	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/19/15 06:42	20
Ethylbenzene	120		20	15	ug/L			12/19/15 06:42	20
Hexachlorobutadiene	ND		20	5.6	ug/L			12/19/15 06:42	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: ASW 120815

Lab Sample ID: 480-92323-5

Date Collected: 12/08/15 11:30

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		20	6.0	ug/L			12/19/15 06:42	20
Isopropylbenzene	43	^	20	16	ug/L			12/19/15 06:42	20
m,p-Xylene	580		40	13	ug/L			12/19/15 06:42	20
Methyl acetate	ND		50	26	ug/L			12/19/15 06:42	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			12/19/15 06:42	20
Methylcyclohexane	6.1	J	20	3.2	ug/L			12/19/15 06:42	20
Methylene Chloride	ND		20	8.8	ug/L			12/19/15 06:42	20
Naphthalene	120		20	8.6	ug/L			12/19/15 06:42	20
n-Butylbenzene	73	^	20	13	ug/L			12/19/15 06:42	20
N-Propylbenzene	78	^	20	14	ug/L			12/19/15 06:42	20
o-Xylene	370		20	15	ug/L			12/19/15 06:42	20
sec-Butylbenzene	30	^	20	15	ug/L			12/19/15 06:42	20
Styrene	ND		20	15	ug/L			12/19/15 06:42	20
tert-Butylbenzene	ND		20	16	ug/L			12/19/15 06:42	20
Tetrachloroethene	ND		20	7.2	ug/L			12/19/15 06:42	20
Toluene	ND		20	10	ug/L			12/19/15 06:42	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			12/19/15 06:42	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			12/19/15 06:42	20
Trichloroethene	ND		20	9.2	ug/L			12/19/15 06:42	20
Trichlorofluoromethane	ND		20	18	ug/L			12/19/15 06:42	20
Vinyl acetate	ND		100	17	ug/L			12/19/15 06:42	20
Vinyl chloride	ND		20	18	ug/L			12/19/15 06:42	20
Xylenes, Total	950		40	13	ug/L			12/19/15 06:42	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		66 - 137		12/19/15 06:42	20
4-Bromofluorobenzene (Surr)	97		73 - 120		12/19/15 06:42	20
Dibromofluoromethane (Surr)	90		60 - 140		12/19/15 06:42	20
Toluene-d8 (Surr)	101		71 - 126		12/19/15 06:42	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	2.2	J	4.6	0.60	ug/L		12/09/15 08:04	12/15/15 17:42	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,4,5-Trichlorophenol	ND		4.6	0.44	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,4,6-Trichlorophenol	ND		4.6	0.56	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,4-Dimethylphenol	8.6		4.6	0.46	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,4-Dinitrophenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 17:42	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 17:42	1
2-Chloronaphthalene	ND		4.6	0.42	ug/L		12/09/15 08:04	12/15/15 17:42	1
2-Chlorophenol	ND		4.6	0.49	ug/L		12/09/15 08:04	12/15/15 17:42	1
2-Methylnaphthalene	30		4.6	0.55	ug/L		12/09/15 08:04	12/15/15 17:42	1
2-Methylphenol	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 17:42	1
2-Nitroaniline	ND		9.2	0.39	ug/L		12/09/15 08:04	12/15/15 17:42	1
2-Nitrophenol	ND		4.6	0.44	ug/L		12/09/15 08:04	12/15/15 17:42	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 17:42	1
3-Nitroaniline	ND		9.2	0.44	ug/L		12/09/15 08:04	12/15/15 17:42	1
4,6-Dinitro-2-methylphenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 17:42	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: ASW 120815

Lab Sample ID: 480-92323-5

Date Collected: 12/08/15 11:30

Matrix: Water

Date Received: 12/09/15 01:20

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	0.41	ug/L		12/09/15 08:04	12/15/15 17:42	1
4-Chloro-3-methylphenol	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 17:42	1
4-Chloroaniline	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 17:42	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 17:42	1
4-Nitroaniline	ND		9.2	0.23	ug/L		12/09/15 08:04	12/15/15 17:42	1
4-Nitrophenol	ND		9.2	1.4	ug/L		12/09/15 08:04	12/15/15 17:42	1
Acenaphthene	ND		4.6	0.38	ug/L		12/09/15 08:04	12/15/15 17:42	1
Acenaphthylene	ND		4.6	0.35	ug/L		12/09/15 08:04	12/15/15 17:42	1
Anthracene	ND		4.6	0.26	ug/L		12/09/15 08:04	12/15/15 17:42	1
Atrazine	ND		4.6	0.42	ug/L		12/09/15 08:04	12/15/15 17:42	1
Benzaldehyde	ND		4.6	0.25	ug/L		12/09/15 08:04	12/15/15 17:42	1
Benzo(a)anthracene	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 17:42	1
Benzo(a)pyrene	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 17:42	1
Benzo(b)fluoranthene	ND		4.6	0.31	ug/L		12/09/15 08:04	12/15/15 17:42	1
Benzo(g,h,i)perylene	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 17:42	1
Benzo(k)fluoranthene	ND		4.6	0.67	ug/L		12/09/15 08:04	12/15/15 17:42	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 17:42	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 17:42	1
Bis(2-ethylhexyl) phthalate	ND		4.6	1.7	ug/L		12/09/15 08:04	12/15/15 17:42	1
Butyl benzyl phthalate	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 17:42	1
Caprolactam	ND		4.6	2.0	ug/L		12/09/15 08:04	12/15/15 17:42	1
Carbazole	ND		4.6	0.28	ug/L		12/09/15 08:04	12/15/15 17:42	1
Chrysene	ND		4.6	0.30	ug/L		12/09/15 08:04	12/15/15 17:42	1
Di-n-butyl phthalate	2.2	J	4.6	0.29	ug/L		12/09/15 08:04	12/15/15 17:42	1
Di-n-octyl phthalate	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 17:42	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 17:42	1
Dibenzofuran	ND		9.2	0.47	ug/L		12/09/15 08:04	12/15/15 17:42	1
Diethyl phthalate	ND		4.6	0.20	ug/L		12/09/15 08:04	12/15/15 17:42	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 17:42	1
Fluoranthene	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 17:42	1
Fluorene	0.48	J	4.6	0.33	ug/L		12/09/15 08:04	12/15/15 17:42	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 17:42	1
Hexachlorobutadiene	ND		4.6	0.63	ug/L		12/09/15 08:04	12/15/15 17:42	1
Hexachlorocyclopentadiene	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 17:42	1
Hexachloroethane	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 17:42	1
Indeno(1,2,3-cd)pyrene	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 17:42	1
Isophorone	ND		4.6	0.40	ug/L		12/09/15 08:04	12/15/15 17:42	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		12/09/15 08:04	12/15/15 17:42	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 17:42	1
Nitrobenzene	ND		4.6	0.27	ug/L		12/09/15 08:04	12/15/15 17:42	1
Pentachlorophenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 17:42	1
Phenanthrene	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 17:42	1
Phenol	0.48	J	4.6	0.36	ug/L		12/09/15 08:04	12/15/15 17:42	1
Pyrene	ND		4.6	0.31	ug/L		12/09/15 08:04	12/15/15 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	103		52 - 132	12/09/15 08:04	12/15/15 17:42	1
2-Fluorobiphenyl	69		48 - 120	12/09/15 08:04	12/15/15 17:42	1
2-Fluorophenol	47		20 - 120	12/09/15 08:04	12/15/15 17:42	1
Nitrobenzene-d5	73		46 - 120	12/09/15 08:04	12/15/15 17:42	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: ASW 120815

Lab Sample ID: 480-92323-5

Date Collected: 12/08/15 11:30

Matrix: Water

Date Received: 12/09/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>p</i> -Terphenyl-d14	46	X	67 - 150	12/09/15 08:04	12/15/15 17:42	1
Phenol-d5	34		16 - 120	12/09/15 08:04	12/15/15 17:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	59		46	1.7	ug/L		12/09/15 08:04	12/16/15 20:35	5
Acetophenone	98		23	2.5	ug/L		12/09/15 08:04	12/16/15 20:35	5
Naphthalene	68		23	3.5	ug/L		12/09/15 08:04	12/16/15 20:35	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	104		52 - 132	12/09/15 08:04	12/16/15 20:35	5
2-Fluorobiphenyl	68		48 - 120	12/09/15 08:04	12/16/15 20:35	5
2-Fluorophenol	45		20 - 120	12/09/15 08:04	12/16/15 20:35	5
Nitrobenzene-d5	68		46 - 120	12/09/15 08:04	12/16/15 20:35	5
<i>p</i> -Terphenyl-d14	48	X	67 - 150	12/09/15 08:04	12/16/15 20:35	5
Phenol-d5	31		16 - 120	12/09/15 08:04	12/16/15 20:35	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.067	J	0.23	0.043	ug/L		12/09/15 07:57	12/10/15 10:23	5
4,4'-DDE	ND		0.23	0.054	ug/L		12/09/15 07:57	12/10/15 10:23	5
4,4'-DDT	ND		0.23	0.051	ug/L		12/09/15 07:57	12/10/15 10:23	5
Aldrin	0.051	J	0.23	0.038	ug/L		12/09/15 07:57	12/10/15 10:23	5
alpha-BHC	ND		0.23	0.036	ug/L		12/09/15 07:57	12/10/15 10:23	5
alpha-Chlordane	ND		0.23	0.069	ug/L		12/09/15 07:57	12/10/15 10:23	5
beta-BHC	ND		0.23	0.11	ug/L		12/09/15 07:57	12/10/15 10:23	5
delta-BHC	0.12	J	0.23	0.046	ug/L		12/09/15 07:57	12/10/15 10:23	5
Dieldrin	ND		0.23	0.045	ug/L		12/09/15 07:57	12/10/15 10:23	5
Endosulfan I	ND		0.23	0.051	ug/L		12/09/15 07:57	12/10/15 10:23	5
Endosulfan II	ND		0.23	0.056	ug/L		12/09/15 07:57	12/10/15 10:23	5
Endosulfan sulfate	ND		0.23	0.073	ug/L		12/09/15 07:57	12/10/15 10:23	5
Endrin	ND		0.23	0.064	ug/L		12/09/15 07:57	12/10/15 10:23	5
Endrin aldehyde	ND		0.23	0.075	ug/L		12/09/15 07:57	12/10/15 10:23	5
Endrin ketone	ND		0.23	0.056	ug/L		12/09/15 07:57	12/10/15 10:23	5
gamma-BHC (Lindane)	0.058	J	0.23	0.037	ug/L		12/09/15 07:57	12/10/15 10:23	5
gamma-Chlordane	ND		0.23	0.051	ug/L		12/09/15 07:57	12/10/15 10:23	5
Heptachlor	ND		0.23	0.039	ug/L		12/09/15 07:57	12/10/15 10:23	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		12/09/15 07:57	12/10/15 10:23	5
Methoxychlor	ND		0.23	0.065	ug/L		12/09/15 07:57	12/10/15 10:23	5
Toxaphene	ND		2.3	0.56	ug/L		12/09/15 07:57	12/10/15 10:23	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	12/09/15 07:57	12/10/15 10:23	5
Tetrachloro-m-xylene	91		36 - 120	12/09/15 07:57	12/10/15 10:23	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-23 120815

Lab Sample ID: 480-92323-6

Date Collected: 12/08/15 11:45

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	1.8	ug/L			12/19/15 08:36	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			12/19/15 08:36	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			12/19/15 08:36	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			12/19/15 08:36	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			12/19/15 08:36	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			12/19/15 08:36	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			12/19/15 08:36	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			12/19/15 08:36	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/15 08:36	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			12/19/15 08:36	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			12/19/15 08:36	5
1,2,4-Trimethylbenzene	160		5.0	3.8	ug/L			12/19/15 08:36	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			12/19/15 08:36	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			12/19/15 08:36	5
1,2-Dichlorobenzene	8.6		5.0	4.0	ug/L			12/19/15 08:36	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			12/19/15 08:36	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			12/19/15 08:36	5
1,3,5-Trimethylbenzene	49		5.0	3.9	ug/L			12/19/15 08:36	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			12/19/15 08:36	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			12/19/15 08:36	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			12/19/15 08:36	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			12/19/15 08:36	5
2-Butanone (MEK)	24	J	50	6.6	ug/L			12/19/15 08:36	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			12/19/15 08:36	5
2-Hexanone	ND	*	25	6.2	ug/L			12/19/15 08:36	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			12/19/15 08:36	5
4-Isopropyltoluene	9.0		5.0	1.6	ug/L			12/19/15 08:36	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			12/19/15 08:36	5
Acetone	140		50	15	ug/L			12/19/15 08:36	5
Benzene	ND		5.0	2.1	ug/L			12/19/15 08:36	5
Bromobenzene	ND		5.0	4.0	ug/L			12/19/15 08:36	5
Bromodichloromethane	ND		5.0	2.0	ug/L			12/19/15 08:36	5
Bromoform	ND		5.0	1.3	ug/L			12/19/15 08:36	5
Bromomethane	ND		5.0	3.5	ug/L			12/19/15 08:36	5
Carbon disulfide	ND		5.0	0.95	ug/L			12/19/15 08:36	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			12/19/15 08:36	5
Chlorobenzene	ND		5.0	3.8	ug/L			12/19/15 08:36	5
Chlorobromomethane	ND		5.0	4.4	ug/L			12/19/15 08:36	5
Chloroethane	ND		5.0	1.6	ug/L			12/19/15 08:36	5
Chloroform	ND		5.0	1.7	ug/L			12/19/15 08:36	5
Chloromethane	23	^	5.0	1.8	ug/L			12/19/15 08:36	5
cis-1,2-Dichloroethene	10		5.0	4.1	ug/L			12/19/15 08:36	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			12/19/15 08:36	5
Cyclohexane	ND		5.0	0.90	ug/L			12/19/15 08:36	5
Dibromochloromethane	ND		5.0	1.6	ug/L			12/19/15 08:36	5
Dibromomethane	ND		5.0	2.1	ug/L			12/19/15 08:36	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			12/19/15 08:36	5
Ethylbenzene	40		5.0	3.7	ug/L			12/19/15 08:36	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			12/19/15 08:36	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-23 120815

Lab Sample ID: 480-92323-6

Date Collected: 12/08/15 11:45

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		5.0	1.5	ug/L			12/19/15 08:36	5
Isopropylbenzene	10	^	5.0	4.0	ug/L			12/19/15 08:36	5
m,p-Xylene	160		10	3.3	ug/L			12/19/15 08:36	5
Methyl acetate	ND		13	6.5	ug/L			12/19/15 08:36	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			12/19/15 08:36	5
Methylcyclohexane	2.1	J	5.0	0.80	ug/L			12/19/15 08:36	5
Methylene Chloride	ND		5.0	2.2	ug/L			12/19/15 08:36	5
Naphthalene	25		5.0	2.2	ug/L			12/19/15 08:36	5
n-Butylbenzene	15	^	5.0	3.2	ug/L			12/19/15 08:36	5
N-Propylbenzene	17	^	5.0	3.5	ug/L			12/19/15 08:36	5
o-Xylene	84		5.0	3.8	ug/L			12/19/15 08:36	5
sec-Butylbenzene	7.2	^	5.0	3.8	ug/L			12/19/15 08:36	5
Styrene	ND		5.0	3.7	ug/L			12/19/15 08:36	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			12/19/15 08:36	5
Tetrachloroethene	ND		5.0	1.8	ug/L			12/19/15 08:36	5
Toluene	4.7	J	5.0	2.6	ug/L			12/19/15 08:36	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			12/19/15 08:36	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/19/15 08:36	5
Trichloroethene	ND		5.0	2.3	ug/L			12/19/15 08:36	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			12/19/15 08:36	5
Vinyl acetate	ND		25	4.3	ug/L			12/19/15 08:36	5
Vinyl chloride	ND		5.0	4.5	ug/L			12/19/15 08:36	5
Xylenes, Total	240		10	3.3	ug/L			12/19/15 08:36	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		66 - 137		12/19/15 08:36	5
4-Bromofluorobenzene (Surr)	100		73 - 120		12/19/15 08:36	5
Dibromofluoromethane (Surr)	90		60 - 140		12/19/15 08:36	5
Toluene-d8 (Surr)	103		71 - 126		12/19/15 08:36	5

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		12/09/15 08:04	12/15/15 18:11	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,4,5-Trichlorophenol	ND		4.6	0.44	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,4,6-Trichlorophenol	ND		4.6	0.56	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,4-Dimethylphenol	4.6		4.6	0.46	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,4-Dinitrophenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 18:11	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 18:11	1
2-Chloronaphthalene	ND		4.6	0.42	ug/L		12/09/15 08:04	12/15/15 18:11	1
2-Chlorophenol	ND		4.6	0.49	ug/L		12/09/15 08:04	12/15/15 18:11	1
2-Methylnaphthalene	2.9	J	4.6	0.55	ug/L		12/09/15 08:04	12/15/15 18:11	1
2-Methylphenol	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 18:11	1
2-Nitroaniline	ND		9.2	0.39	ug/L		12/09/15 08:04	12/15/15 18:11	1
2-Nitrophenol	ND		4.6	0.44	ug/L		12/09/15 08:04	12/15/15 18:11	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 18:11	1
3-Nitroaniline	ND		9.2	0.44	ug/L		12/09/15 08:04	12/15/15 18:11	1
4,6-Dinitro-2-methylphenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 18:11	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-23 120815

Lab Sample ID: 480-92323-6

Date Collected: 12/08/15 11:45

Matrix: Water

Date Received: 12/09/15 01:20

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	0.41	ug/L		12/09/15 08:04	12/15/15 18:11	1
4-Chloro-3-methylphenol	ND		4.6	0.41	ug/L		12/09/15 08:04	12/15/15 18:11	1
4-Chloroaniline	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 18:11	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 18:11	1
4-Methylphenol	5.7	J	9.2	0.33	ug/L		12/09/15 08:04	12/15/15 18:11	1
4-Nitroaniline	ND		9.2	0.23	ug/L		12/09/15 08:04	12/15/15 18:11	1
4-Nitrophenol	ND		9.2	1.4	ug/L		12/09/15 08:04	12/15/15 18:11	1
Acenaphthene	ND		4.6	0.38	ug/L		12/09/15 08:04	12/15/15 18:11	1
Acenaphthylene	ND		4.6	0.35	ug/L		12/09/15 08:04	12/15/15 18:11	1
Acetophenone	44		4.6	0.50	ug/L		12/09/15 08:04	12/15/15 18:11	1
Anthracene	ND		4.6	0.26	ug/L		12/09/15 08:04	12/15/15 18:11	1
Atrazine	ND		4.6	0.42	ug/L		12/09/15 08:04	12/15/15 18:11	1
Benzaldehyde	17		4.6	0.25	ug/L		12/09/15 08:04	12/15/15 18:11	1
Benzo(a)anthracene	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 18:11	1
Benzo(a)pyrene	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 18:11	1
Benzo(b)fluoranthene	ND		4.6	0.31	ug/L		12/09/15 08:04	12/15/15 18:11	1
Benzo(g,h,i)perylene	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 18:11	1
Benzo(k)fluoranthene	ND		4.6	0.67	ug/L		12/09/15 08:04	12/15/15 18:11	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		12/09/15 08:04	12/15/15 18:11	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 18:11	1
Bis(2-ethylhexyl) phthalate	ND		4.6	1.7	ug/L		12/09/15 08:04	12/15/15 18:11	1
Butyl benzyl phthalate	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 18:11	1
Caprolactam	ND		4.6	2.0	ug/L		12/09/15 08:04	12/15/15 18:11	1
Carbazole	ND		4.6	0.28	ug/L		12/09/15 08:04	12/15/15 18:11	1
Chrysene	ND		4.6	0.30	ug/L		12/09/15 08:04	12/15/15 18:11	1
Di-n-butyl phthalate	0.91	J	4.6	0.28	ug/L		12/09/15 08:04	12/15/15 18:11	1
Di-n-octyl phthalate	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 18:11	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 18:11	1
Dibenzofuran	ND		9.2	0.47	ug/L		12/09/15 08:04	12/15/15 18:11	1
Diethyl phthalate	ND		4.6	0.20	ug/L		12/09/15 08:04	12/15/15 18:11	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 18:11	1
Fluoranthene	ND		4.6	0.37	ug/L		12/09/15 08:04	12/15/15 18:11	1
Fluorene	ND		4.6	0.33	ug/L		12/09/15 08:04	12/15/15 18:11	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 18:11	1
Hexachlorobutadiene	ND		4.6	0.62	ug/L		12/09/15 08:04	12/15/15 18:11	1
Hexachlorocyclopentadiene	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 18:11	1
Hexachloroethane	ND		4.6	0.54	ug/L		12/09/15 08:04	12/15/15 18:11	1
Indeno(1,2,3-cd)pyrene	ND		4.6	0.43	ug/L		12/09/15 08:04	12/15/15 18:11	1
Isophorone	ND		4.6	0.39	ug/L		12/09/15 08:04	12/15/15 18:11	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		12/09/15 08:04	12/15/15 18:11	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		12/09/15 08:04	12/15/15 18:11	1
Naphthalene	15		4.6	0.70	ug/L		12/09/15 08:04	12/15/15 18:11	1
Nitrobenzene	ND		4.6	0.27	ug/L		12/09/15 08:04	12/15/15 18:11	1
Pentachlorophenol	ND		9.2	2.0	ug/L		12/09/15 08:04	12/15/15 18:11	1
Phenanthrene	ND		4.6	0.40	ug/L		12/09/15 08:04	12/15/15 18:11	1
Phenol	1.1	J	4.6	0.36	ug/L		12/09/15 08:04	12/15/15 18:11	1
Pyrene	ND		4.6	0.31	ug/L		12/09/15 08:04	12/15/15 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	105		52 - 132	12/09/15 08:04	12/15/15 18:11	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: MW-23 120815

Lab Sample ID: 480-92323-6

Date Collected: 12/08/15 11:45

Matrix: Water

Date Received: 12/09/15 01:20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	74		48 - 120	12/09/15 08:04	12/15/15 18:11	1
2-Fluorophenol	52		20 - 120	12/09/15 08:04	12/15/15 18:11	1
Nitrobenzene-d5	73		46 - 120	12/09/15 08:04	12/15/15 18:11	1
p-Terphenyl-d14	67		67 - 150	12/09/15 08:04	12/15/15 18:11	1
Phenol-d5	38		16 - 120	12/09/15 08:04	12/15/15 18:11	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.23	0.042	ug/L		12/09/15 07:57	12/10/15 10:42	5
4,4'-DDE	ND		0.23	0.053	ug/L		12/09/15 07:57	12/10/15 10:42	5
4,4'-DDT	ND		0.23	0.050	ug/L		12/09/15 07:57	12/10/15 10:42	5
Aldrin	ND		0.23	0.037	ug/L		12/09/15 07:57	12/10/15 10:42	5
alpha-BHC	0.074	J	0.23	0.035	ug/L		12/09/15 07:57	12/10/15 10:42	5
alpha-Chlordane	ND		0.23	0.068	ug/L		12/09/15 07:57	12/10/15 10:42	5
beta-BHC	0.14	J	0.23	0.11	ug/L		12/09/15 07:57	12/10/15 10:42	5
delta-BHC	ND		0.23	0.046	ug/L		12/09/15 07:57	12/10/15 10:42	5
Dieldrin	0.046	J	0.23	0.045	ug/L		12/09/15 07:57	12/10/15 10:42	5
Endosulfan I	ND		0.23	0.050	ug/L		12/09/15 07:57	12/10/15 10:42	5
Endosulfan II	ND		0.23	0.055	ug/L		12/09/15 07:57	12/10/15 10:42	5
Endosulfan sulfate	ND		0.23	0.072	ug/L		12/09/15 07:57	12/10/15 10:42	5
Endrin	ND		0.23	0.063	ug/L		12/09/15 07:57	12/10/15 10:42	5
Endrin aldehyde	ND		0.23	0.075	ug/L		12/09/15 07:57	12/10/15 10:42	5
Endrin ketone	ND		0.23	0.055	ug/L		12/09/15 07:57	12/10/15 10:42	5
gamma-BHC (Lindane)	0.077	J	0.23	0.037	ug/L		12/09/15 07:57	12/10/15 10:42	5
gamma-Chlordane	ND		0.23	0.050	ug/L		12/09/15 07:57	12/10/15 10:42	5
Heptachlor	ND		0.23	0.039	ug/L		12/09/15 07:57	12/10/15 10:42	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		12/09/15 07:57	12/10/15 10:42	5
Methoxychlor	ND		0.23	0.065	ug/L		12/09/15 07:57	12/10/15 10:42	5
Toxaphene	ND		2.3	0.55	ug/L		12/09/15 07:57	12/10/15 10:42	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	12/09/15 07:57	12/10/15 10:42	5
Tetrachloro-m-xylene	51		36 - 120	12/09/15 07:57	12/10/15 10:42	5

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92323-7

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			12/19/15 02:18	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			12/19/15 02:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/19/15 02:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/19/15 02:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/19/15 02:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/19/15 02:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/19/15 02:18	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			12/19/15 02:18	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/15 02:18	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			12/19/15 02:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/19/15 02:18	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			12/19/15 02:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/19/15 02:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/19/15 02:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/19/15 02:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/19/15 02:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/19/15 02:18	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			12/19/15 02:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/19/15 02:18	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			12/19/15 02:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/19/15 02:18	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			12/19/15 02:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/19/15 02:18	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			12/19/15 02:18	1
2-Hexanone	ND	*	5.0	1.2	ug/L			12/19/15 02:18	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			12/19/15 02:18	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			12/19/15 02:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/19/15 02:18	1
Acetone	ND		10	3.0	ug/L			12/19/15 02:18	1
Benzene	ND		1.0	0.41	ug/L			12/19/15 02:18	1
Bromobenzene	ND		1.0	0.80	ug/L			12/19/15 02:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/19/15 02:18	1
Bromoform	ND		1.0	0.26	ug/L			12/19/15 02:18	1
Bromomethane	ND		1.0	0.69	ug/L			12/19/15 02:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/19/15 02:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/19/15 02:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/19/15 02:18	1
Chlorobromomethane	ND		1.0	0.87	ug/L			12/19/15 02:18	1
Chloroethane	ND		1.0	0.32	ug/L			12/19/15 02:18	1
Chloroform	ND		1.0	0.34	ug/L			12/19/15 02:18	1
Chloromethane	ND		1.0	0.35	ug/L			12/19/15 02:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/19/15 02:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/19/15 02:18	1
Cyclohexane	ND		1.0	0.18	ug/L			12/19/15 02:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/19/15 02:18	1
Dibromomethane	ND		1.0	0.41	ug/L			12/19/15 02:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/15 02:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/19/15 02:18	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			12/19/15 02:18	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92323-7

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		1.0	0.30	ug/L			12/19/15 02:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/19/15 02:18	1
m,p-Xylene	ND		2.0	0.66	ug/L			12/19/15 02:18	1
Methyl acetate	ND		2.5	1.3	ug/L			12/19/15 02:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/19/15 02:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/19/15 02:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/19/15 02:18	1
Naphthalene	ND		1.0	0.43	ug/L			12/19/15 02:18	1
n-Butylbenzene	ND		1.0	0.64	ug/L			12/19/15 02:18	1
N-Propylbenzene	ND		1.0	0.69	ug/L			12/19/15 02:18	1
o-Xylene	ND		1.0	0.76	ug/L			12/19/15 02:18	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			12/19/15 02:18	1
Styrene	ND		1.0	0.73	ug/L			12/19/15 02:18	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			12/19/15 02:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/19/15 02:18	1
Toluene	ND		1.0	0.51	ug/L			12/19/15 02:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/19/15 02:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/19/15 02:18	1
Trichloroethene	ND		1.0	0.46	ug/L			12/19/15 02:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/19/15 02:18	1
Vinyl acetate	ND		5.0	0.85	ug/L			12/19/15 02:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/19/15 02:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/19/15 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		66 - 137		12/19/15 02:18	1
4-Bromofluorobenzene (Surr)	97		73 - 120		12/19/15 02:18	1
Dibromofluoromethane (Surr)	87		60 - 140		12/19/15 02:18	1
Toluene-d8 (Surr)	100		71 - 126		12/19/15 02:18	1

Lab Chronicle

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: DUP-1 120815

Lab Sample ID: 480-92323-1

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	280605	12/19/15 05:10	GVF	TAL BUF
Total/NA	Prep	3510C			278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	279817	12/15/15 15:47	PJQ	TAL BUF
Total/NA	Prep	3510C			278813	12/09/15 07:57	RMZ	TAL BUF
Total/NA	Analysis	8081B		10	279040	12/10/15 09:08	JRL	TAL BUF

Client Sample ID: MW-17 120815

Lab Sample ID: 480-92323-2

Date Collected: 12/08/15 09:41

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	280605	12/19/15 05:33	GVF	TAL BUF
Total/NA	Prep	3510C			278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	279817	12/15/15 16:16	PJQ	TAL BUF
Total/NA	Prep	3510C			278813	12/09/15 07:57	RMZ	TAL BUF
Total/NA	Analysis	8081B		10	279040	12/10/15 09:27	JRL	TAL BUF

Client Sample ID: MW-18 120815

Lab Sample ID: 480-92323-3

Date Collected: 12/08/15 10:03

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	280605	12/19/15 05:56	GVF	TAL BUF
Total/NA	Prep	3510C			278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	279817	12/15/15 16:45	PJQ	TAL BUF
Total/NA	Prep	3510C			278813	12/09/15 07:57	RMZ	TAL BUF
Total/NA	Analysis	8081B		10	279040	12/10/15 09:45	JRL	TAL BUF

Client Sample ID: MW-22 120815

Lab Sample ID: 480-92323-4

Date Collected: 12/08/15 10:55

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	280605	12/19/15 06:19	GVF	TAL BUF
Total/NA	Prep	3510C			278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	279817	12/15/15 17:13	PJQ	TAL BUF
Total/NA	Prep	3510C			278813	12/09/15 07:57	RMZ	TAL BUF
Total/NA	Analysis	8081B		10	279040	12/10/15 10:04	JRL	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-92323-1

Client Sample ID: ASW 120815

Lab Sample ID: 480-92323-5

Date Collected: 12/08/15 11:30

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	280605	12/19/15 06:42	GVF	TAL BUF
Total/NA	Prep	3510C			278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	279817	12/15/15 17:42	PJQ	TAL BUF
Total/NA	Prep	3510C	DL		278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D	DL	5	280083	12/16/15 20:35	PJQ	TAL BUF
Total/NA	Prep	3510C			278813	12/09/15 07:57	RMZ	TAL BUF
Total/NA	Analysis	8081B		5	279040	12/10/15 10:23	JRL	TAL BUF

Client Sample ID: MW-23 120815

Lab Sample ID: 480-92323-6

Date Collected: 12/08/15 11:45

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	280605	12/19/15 08:36	GVF	TAL BUF
Total/NA	Prep	3510C			278816	12/09/15 08:04	RMZ	TAL BUF
Total/NA	Analysis	8270D		1	279817	12/15/15 18:11	PJQ	TAL BUF
Total/NA	Prep	3510C			278813	12/09/15 07:57	RMZ	TAL BUF
Total/NA	Analysis	8081B		5	279040	12/10/15 10:42	JRL	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-92323-7

Date Collected: 12/08/15 00:00

Matrix: Water

Date Received: 12/09/15 01:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	280605	12/19/15 02:18	GVF	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: 480-92323-1

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

1

2

3

4

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8

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11

Method Summary

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

TestAmerica Job ID: 480-92323-1

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: 480-92323-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-92323-1	DUP-1 120815	Water	12/08/15 00:00	12/09/15 01:20
480-92323-2	MW-17 120815	Water	12/08/15 09:41	12/09/15 01:20
480-92323-3	MW-18 120815	Water	12/08/15 10:03	12/09/15 01:20
480-92323-4	MW-22 120815	Water	12/08/15 10:55	12/09/15 01:20
480-92323-5	ASW 120815	Water	12/08/15 11:30	12/09/15 01:20
480-92323-6	MW-23 120815	Water	12/08/15 11:45	12/09/15 01:20
480-92323-7	TRIP BLANK	Water	12/08/15 00:00	12/09/15 01:20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

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

480501-Albany

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Client Information
 Client Contact: Mr. Chris French
 Company: AECOM, Inc.
 Address: 40 British American Blvd
 City: Latham
 State, Zip: NY, 12110
 Phone: [Redacted]
 Email: chris.french@aecom.com
 Project Name: Korkey, Inc. #518014
 Site: [Redacted]

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

Job #: 480-74890-18998.1
Page: Page 1 of 1
Job #: [Redacted]

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, On-wastebank, etc.)	Field Filtered Sample (Yes or No)	Performance/MSD (Yes or No)	8260C - (MOD) TCL list OL.M04.2	8270D - TCL SVCA - OL.M04.2	8081B - TCL Pesticides - OL.M04.2	Total Number of Containers	Special Instructions/Note:
DUP-1 120815	12/8/15	-	G	Water	N	N	X	X	X	7	
MW-17 120815	12/8/15	9:41	G	Water	N	N	X	X	X	7	
MW-18 120815	12/8/15	10:03	G	Water	N	N	X	X	X	7	
MW-22 120815	12/8/15	10:55	G	Water	N	N	X	X	X	7	
ASW 120815	12/8/15	11:30	G	Water	N	N	X	X	X	7	
MW-23 120815	12/8/15	11:45	G	Water	N	N	X	X	X	7	
Trip Blank	-	-	-	Water	N	N	X	X	X	2	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant
 Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained to...)
 Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: [Signature]
Relinquished by: [Signature] Date: 12/8/15 13:30
Relinquished by: [Signature] Date: 12/8/15 18:00
Relinquished by: [Signature] Date: [Redacted]

Custody Seals Intact
 Yes No No
 Cooler Temperature(s) °C and Other Remarks: [Redacted]



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-92323-1

Login Number: 92323

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	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	