



Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
November 2016

Groundwater Monitoring Report Post-ISCO Quarterly Sampling Event September 14, 2016

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





Environment

Prepared for:
NYSDEC
Albany, NY

Prepared by:
AECOM
Latham, NY
60273289
November 2016

Groundwater Monitoring Report Post-ISCO Quarterly Sampling Event September 14, 2016

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

Contents

1.0 Introduction	1-1
1.1 General	1-1
1.2 Background and Objectives.....	1-1
2.0 Groundwater Sampling	2-1
2.1 Groundwater Sampling Methodology	2-1
3.0 Results	3-1
3.1 Groundwater Elevation and Flow	3-1
3.2 Analytical Results.....	3-1
4.0 Summary and Conclusions	4-1
5.0 Recommendations	5-1

List of Figures

Figure 1	Site Location Plan
Figure 2	Existing Conditions
Figure 3	Total VOC Isoconcentration Contour Map –October 14, 2015
Figure 4	Shallow Aquifer Water Table Contour Map – September 14, 2016
Figure 5a	Total VOC Isoconcentration Contour Map –December 8, 2015
Figure 5b	Total VOC Isoconcentration Contour Map – March 8, 2016
Figure 5c	Total VOC Isoconcentration Contour Map – May 31, 2016
Figure 5d	Total VOC Isoconcentration Contour Map – September 14, 2016

List of Tables

Table 1	Water Level Measurements – September 14, 2016
Table 2	Post ISCO Injection Groundwater Analytical Results

List of Charts

Chart 1	Post ISCO Injection Groundwater TVOC Concentration Trends – Monitoring Well ASW
Chart 2	Post ISCO Injection Groundwater TVOC Concentration Trends – ISCO Monitoring Wells

List of Appendices

Appendix A	Groundwater Sampling Records
Appendix B	Laboratory Analytical Report

Acronyms and Abbreviations

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

1.0 Introduction

1.1 General

This summary report documents the groundwater sampling event conducted in September 2016 at the Korkay Inc. Site (Site No. 518014), located at 70 West Main Street in the Village of Broadalbin, Fulton County, New York (Figure 1). The sampling was conducted for Work Assignment No. D004445-20.1 of the State Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and AECOM Technical Services Northeast, Inc. (AECOM).

1.2 Background and Objectives

Korkay, Incorporated (Korkay) was a supplier of detergents, solvents, and degreasers to the automotive industry from 1969 to 1980. Releases of chemicals at the Site contaminated soil and groundwater. Remedial actions undertaken by the NYSDEC and New York State Department of Health (NYSDOH) to date have been effective in reducing Site contamination, although subsurface soil and groundwater impacts still exist.

Groundwater investigations were conducted at the Site in July 2014 and August 2015 to further delineate and characterize on-Site and off-Site dissolved-phase groundwater impacts. In September 2015, 8 new monitoring wells (MW-17 through MW-24) were installed to aid in monitoring the nature and extent of groundwater impacts on and off Site.

The most recent 5-quarter groundwater sampling event, which is required as part of the Site Management Plan (SMP) to evaluate groundwater quality trends through the Site management phase, was completed between October 12 and 15, 2015. All on-Site and off-Site groundwater monitoring wells (Figure 2) were sampled during the event. The results of that sampling documented the extent of the groundwater contaminant plume in the shallow aquifer. A copy of the isoconcentration contour map of total volatile organic compounds (TVOCs) detected in the shallow aquifer wells during the October 2015 sampling event is included as Figure 3.

A supplemental remedial action, consisting of in-situ chemical oxidation (ISCO) injection, was conducted at the Site between October 19 and 23, 2015. The purpose of the ISCO injection was to attempt to further remediate residual soil and groundwater contamination to meet the remedial goals established for the Site. The remediation included the installation of 95 injection points. The points were installed with a direct push Geoprobe® unit. The oxidant used was activated persulfate, specifically, PersulfOx® from Regensis Remediation Services. This oxidant has been shown to effectively reduce VOC mass with limited oxidation of certain pesticides. PersulfOx® is a catalyzed persulfate which does not require any additional activation. The PersulfOx® was applied concurrently with oxygen release compound Advanced (ORC-A®), a product that provides a sustained release of oxygen which will allow for polishing of COCs through aerobic bioremediation.

This report presents and interprets analytical results for the groundwater sampling conducted on September 14, 2016, as well as results from previous post-ISCO injection quarterly sampling events. The sampling event represented the fourth of eight quarterly events to be conducted over a 2-year period to monitor and evaluate the effectiveness of the ISCO treatment. The quarterly monitoring program is scheduled to continue through the summer of 2017.

2.0 Groundwater Sampling

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

2.1 Groundwater Sampling Methodology

Prior to purging, groundwater levels were recorded in all wells on site. The water level meter was decontaminated using deionized water and a non-phosphate detergent between each well. The groundwater was then purged with a peristaltic pump and new polyethylene tubing from the wells to be sampled. The end of the dedicated tubing was placed at the center of each well screen. Purging was conducted using low-flow techniques so that disturbances in the well and changes in water level did not occur. Water was pumped continuously and flow-rate was recorded between each 3 to 5 minute interval.

Water quality parameters were recorded using a multi parameter meter with a flow through cell. The parameters were recorded every 3 to 5 minutes until readings indicated that the groundwater stabilized. These parameters monitored included turbidity, temperature, specific conductivity, dissolved oxygen, pH, and oxygen reduction potential (ORP). Stabilization was considered complete when three consecutive readings recorded levels within the following parameters:

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

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

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

3.0 Results

3.1 Groundwater Elevation and Flow

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

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

3.2 Analytical Results

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

In Table 2, concentrations above relevant New York State Ambient Water Quality Standards or guidance values (AWQS) are in a shaded cell with bold typeface for ease of identification. Bolded text alone indicates a detection of the compound above the method detection limit, but below the relevant AWQS. Table 2 also includes the field parameter readings for dissolved oxygen (DO) and oxidation-reduction potential (ORP), and the persulfate test kit results.

Volatile Organic Compounds

Chart 1 depicts the trend in the TVOC concentration in well ASW, a pre-existing well located in the former source area with the longest sample history of the wells being monitored. Chart 2 depicts TVOC trends in the four on-Site wells (MW-17, MW-18, MW-22 and MW-23) and off-Site well MW-21. The September 2016 VOC analytical results and TVOC data trends to date are discussed below.

- The TVOC concentration in upgradient well MW-17 (230.2 mg/L in the field duplicate sample) was a decrease over the previous result (424 mg/L), and remains below the October 2015 baseline concentration (591.5 mg/L). Eight compounds were detected at concentrations above relevant AWQSs. Persulfate was measured at approximately 0.7 ppm, and there was essentially no DO measured in the well (0.38 mg/L). The data indicates that oxygen and persulfate levels are depleted suggesting that further aerobic biodegradation may be unlikely to occur in the vicinity of this well.
- VOCs were detected in well MW-18 at a total VOC concentration of 41.4 mg/L after they were not detected during the previous (May 2016) sampling event. Six compounds were detected, including concentrations of O-Xylene (8.5 mg/L) and Tetrachloroethene (PCE) (11 mg/L) that slightly exceeded the relevant AWQSs. This indicated a slight increase in exceeding compounds, but still illustrates a significant decreasing trend in the total VOC

concentration since the December 2015 event (122.2 mg/L) and October 2015 baseline concentration (1,272.4 mg/L). The data indicates that the ISCO treatment has effectively reduced contaminant levels in this well. Persulfate (70 ppm) and DO (24.88 mg/L) levels remained slightly elevated in this well compared to the other wells that were sampled.

- The TVOC concentration in cross gradient well MW-22 (7.7 mg/L) decreased relative to the May 2016 result (14.2 mg/L). This represents a fourth consecutive event with continued decreasing concentrations relative to the October 2015 baseline concentration (108.3 mg/L). No compounds were detected with concentrations above AWQSSs. Persulfate and DO was measured at levels of 14 ppm and 0.82 mg/L , respectively, indicating some ISCO treatment chemical may still be present in the well that could further reduce contaminant levels in this area.
- The TVOC concentration in the former source area well ASW (2,785 mg/L) decreased somewhat from the May 2016 result (3,525 mg/L). The field parameter test results indicate that persulfate (2.1 ppm) and DO (0.31 mg/L) are depleted in this well. These readings indicate that oxygen levels in the vicinity of this well are likely insufficient to support further reduction in contaminant mass.
- The TVOC concentration in well MW-23 (2,129.4 mg/L), located at the downgradient Site boundary, decreased slightly from the May 2016 event (2,300.5 mg/L), although it was still greater than the October 2015 baseline result (521.9 mg/L). The field parameter test results indicate that persulfate (1 ppm) and DO (0.27 mg/L) are depleted in this well. As with well ASW, this data indicates that oxygen levels in the vicinity of this well may be insufficient to support further reduction in contaminant mass.
- The TVOC concentration in off-site downgradient well MW-21 (342.9 mg/L) represented a significant increase from the May 2016 event (1.8 mg/L) and only a slight decrease from the October 2015 baseline result (453 mg/L). The results indicate that groundwater contaminant levels in this well may be subject to seasonal fluctuations. The persulfate level (0.7 ppm) remained the same from the May event and the DO level (0.25 mg/L) decreased.

Semi-Volatile Organic and Organochlorine Pesticides Compounds

As shown in Table 2, the September 2016 SVOC analytical results were generally similar to the previous quarterly sample results. Contaminants detected at concentrations above the relevant AWQS were reported for only one compound (naphthalene), and those exceedances were reported in only two wells (ASW and MW-23). Review of Table 2 shows that the SVOC concentration trends since October 2015 generally mimic the TVOC trends described above.

For the organochlorine pesticides sample results, four wells had compounds with concentrations above AWQSSs. ASW and MW-18 had exceedances for Alpha-BHC (0.086 mg/L and 0.058 mg/L , respectively). MW-17 had an exceedance of Aldrin at a concentration of 0.064J mg/L (0.059J mg/L in the field duplicate sample). And MW-22 had exceedances of Aldrin (0.069J mg/L), Alpha-BHC (0.019J mg/L), Dieldron (0.064J mg/L), and Heptachlor Epoxide (0.082J mg/L). All other results were either non-detect or less than relevant AWQSSs. This generally marks an improving trend from the October 2015 baseline results.

4.0 Summary and Conclusions

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

- The data from MW-17 indicates that that further aerobic biodegradation may be unlikely to occur and there is potential for some rebound in TVOC concentration to occur in this upgradient area of the Site. This could be a result of depleted persulfate and DO levels and/or the potential for inflow of residual groundwater impacts from the northern Site periphery, outside the ISCO treatment area.
- TVOC concentrations decreased slightly in the former source area well ASW. Concentrations decreased slightly in MW-23 at the downgradient site boundary, but remain well above AWQs. The levels of sodium persulfate and DO in these wells appear to be depleted, suggesting that further aerobic biodegradation is unlikely to occur in this highly impacted area of the Site.
- TVOC concentrations continued to remain low near the center (MW-18) and western cross-gradient (MW-22) areas of the Site. In all likelihood, the concentration changes in these wells reflect the effects of the ISCO treatment in an area of the Site outside the main former source location, and where no significant residual soil contamination remains.
- Persulfate and DO levels in well in the center of the Site (MW-18) increased somewhat from the May results, indicating there is possibly some residual ISCO chemicals in this area to disperse further downgradient to the more highly impacted source area (wells ASW and MW-23).
- The SVOC concentration trends in all wells sampled in the quarterly sampling events to date essentially mimic the TVOC trends. Therefore, there does not appear to be a need to continue to collect SVOC data during the remaining post-ISCO quarterly sampling events; the TVOC data trends alone will be adequate to monitor changes in contaminant levels.
- The organochlorine pesticide concentration trends have remained fairly constant in all wells sampled during the quarterly sampling events to date. Based on this, and considering that the contaminant trend analysis for the post-ISCO monitoring program is based primarily on the VOC data, it may be acceptable to discontinue pesticide analyses from the remaining quarterly events and continue the pesticide analysis for future annual (five-quarter) events only.

5.0 Recommendations

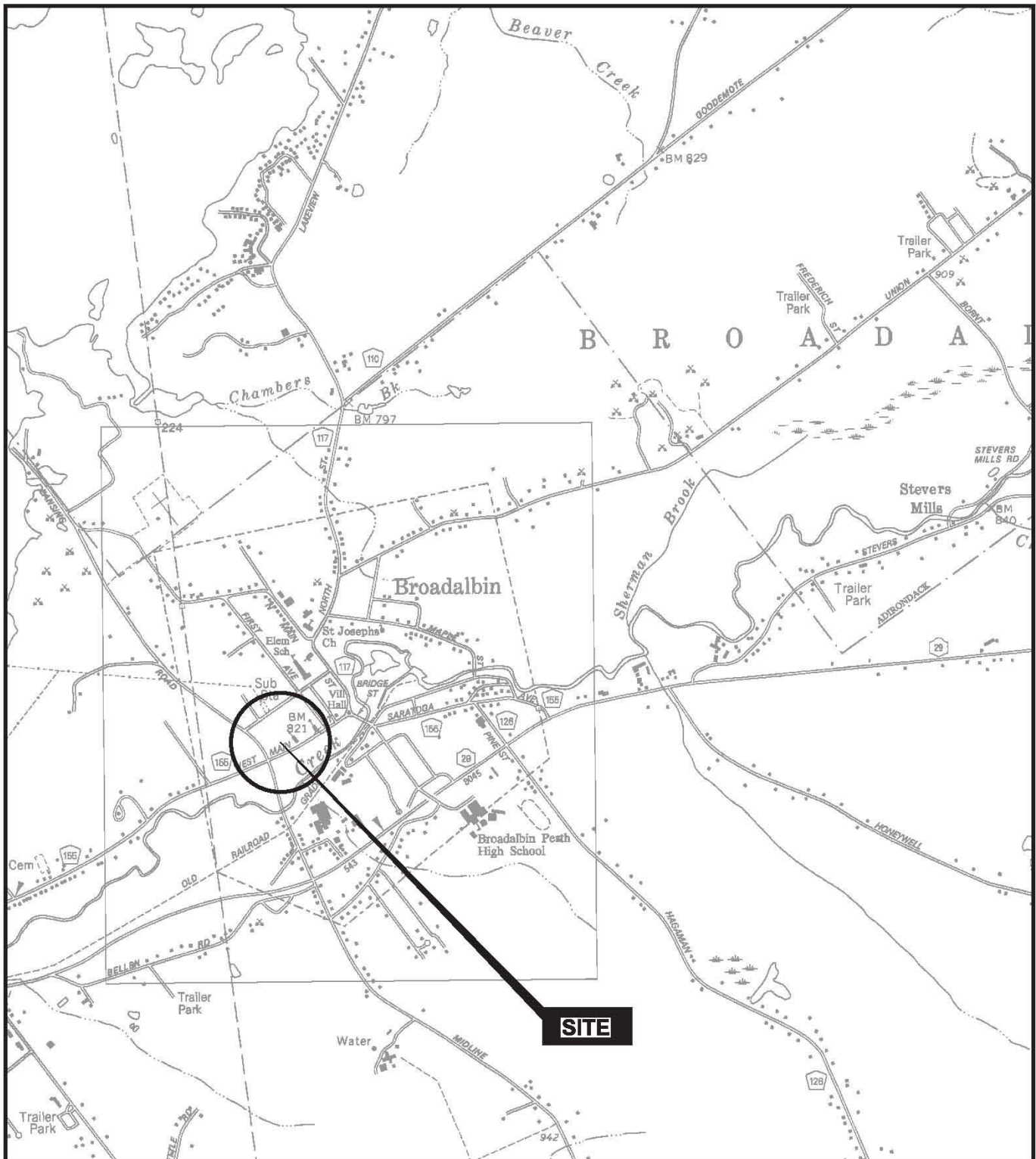
Based on the results of this monitoring event, and review of the TVOC trends to date, it is recommended that the 6 wells included in the present monitoring well sampling program (i.e., ASW, MW-17, MW-18, MW-21, MW-22 and MW-23) be unchanged for the next quarterly sampling event (September, 2016).

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

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

The results of post-ISCO quarterly monitoring to date indicate that the level of active persulfate remaining in the injection area is unlikely to further reduce contaminant mass. Similarly, the amount of residual ORC in the injection area to promote aerobic degradation and reduce contaminant mass is low. Because of this, it is recommended that a second round of ISCO treatment be administered, targeted on the residual hot spot areas of the Site.

Figures



MAP REFERENCE: NYS DOT 7.5 MIN. QUADRANGLE
BROADALBIN SERIES

PLAN

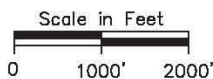
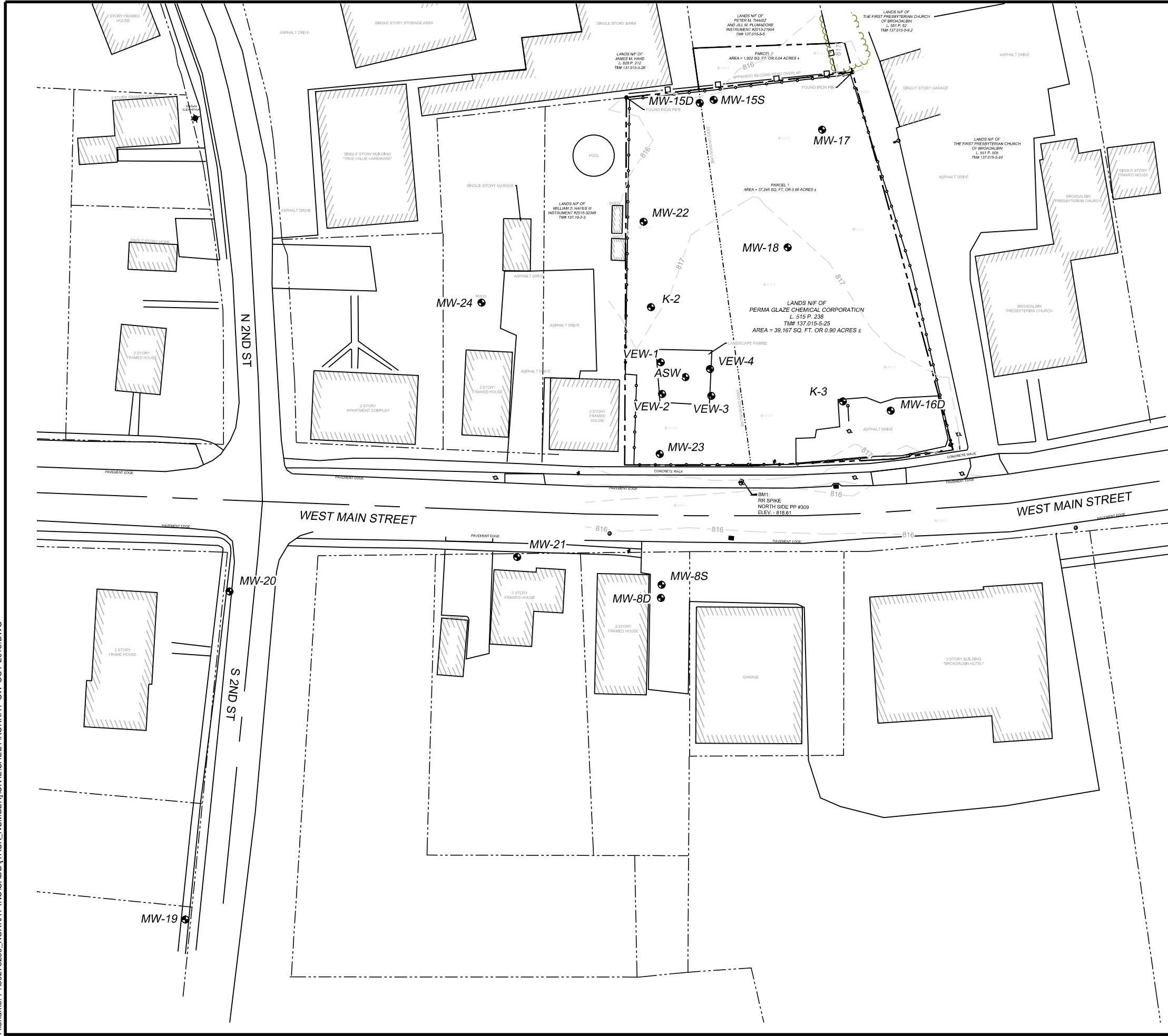


FIGURE 1
SITE LOCATION PLAN
NYSDEC SITE ID: 5-18-014
KORKAY INC.
70 WEST MAIN STREET
BROADALBIN, NEW YORK

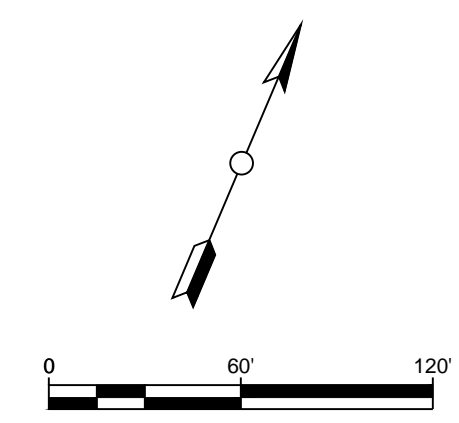
DATE: OCTOBER 2013

PROJECT NO.: 60273289

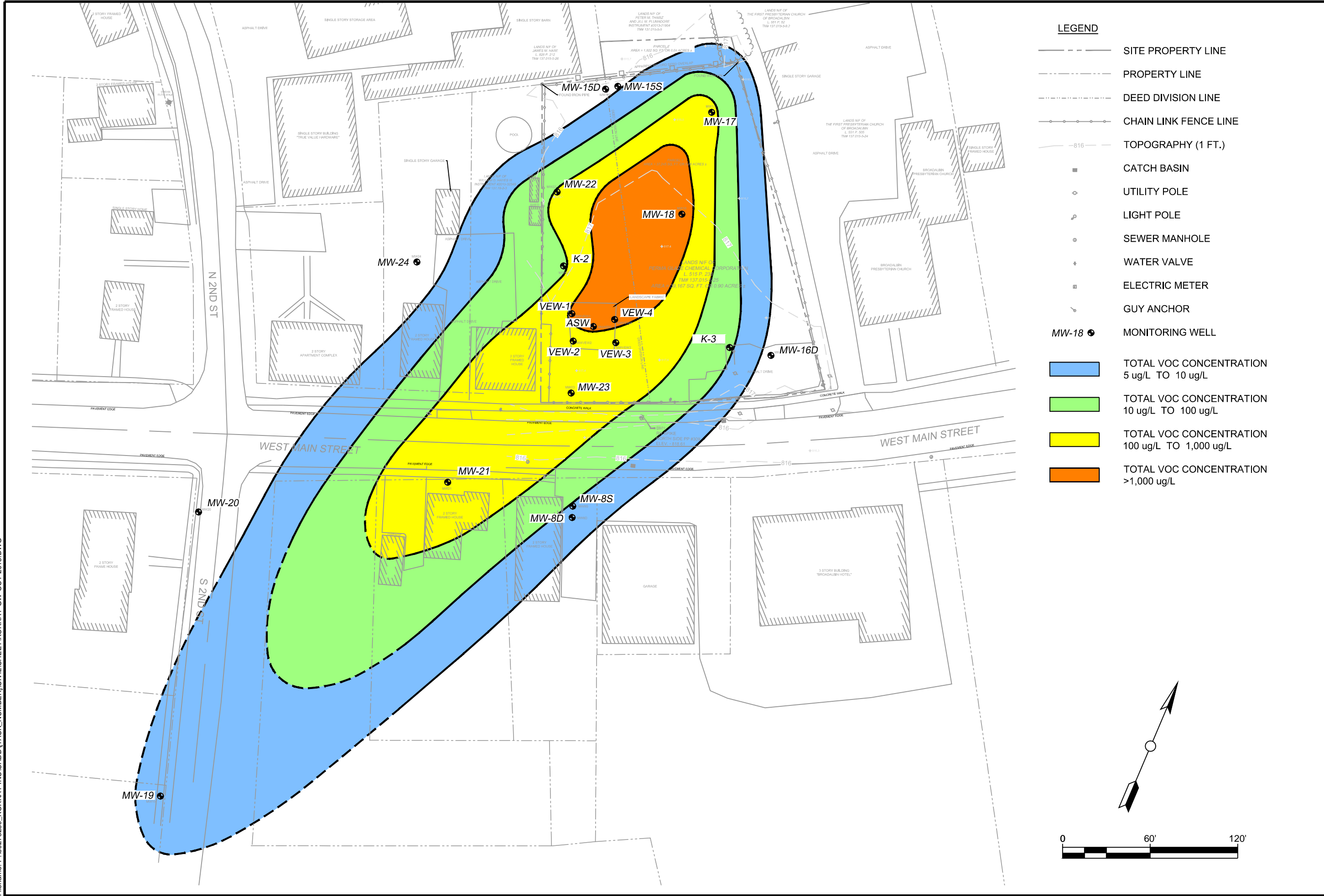


LEGEND

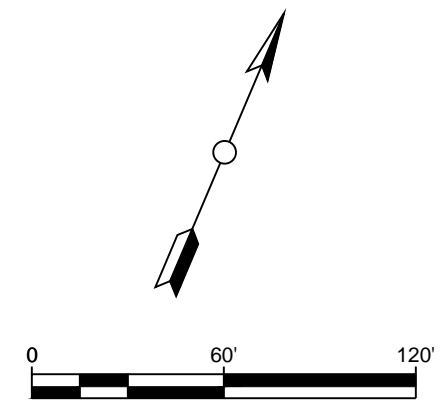
	SITE PROPERTY LINE
	PROPERTY LINE
	DEED DIVISION LINE
	CHAIN LINK FENCE LINE
	TOPOGRAPHY (1 FT.)
	CATCH BASIN
	UTILITY POLE
	LIGHT POLE
	SEWER MANHOLE
	WATER VALVE
	ELECTRIC METER
	GUY ANCHOR
	MONITORING WELL

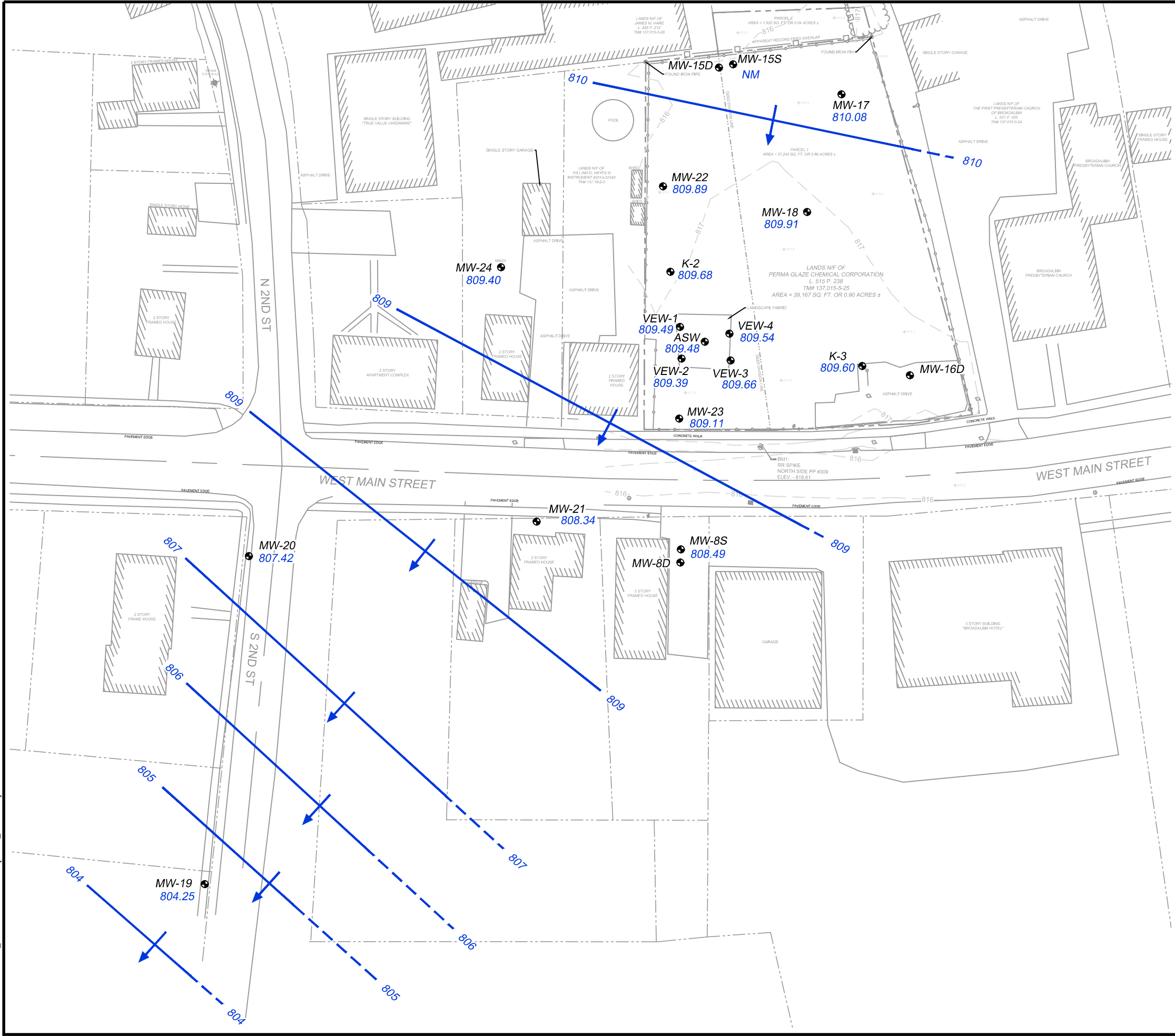


MAP REFERENCE:
 MAPPING BASED ON A PLAN TITLED TOPOGRAPHIC SURVEY OF
 NYSDEC INACTIVE HAZARDOUS WASTE SITE NO. 5-18-014
 70 WEST MAIN STREET, BROADALBIN, NEW YORK
 COUNTY OF FULTON, STATE OF NEW YORK BY, M J ENGINEERING,
 AND LAND SURVEYING, P.C., DATED SEPTEMBER 10 2015, LAST REVISED
 11/13/2015, INCLUDING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

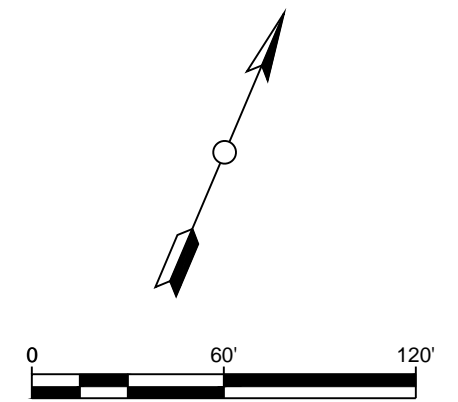


LEGEND	
	SITE PROPERTY LINE
	PROPERTY LINE
	DEED DIVISION LINE
	CHAIN LINK FENCE LINE
	TOPOGRAPHY (1 FT.)
	CATCH BASIN
	UTILITY POLE
	LIGHT POLE
	SEWER MANHOLE
	WATER VALVE
	ELECTRIC METER
	GUY ANCHOR
	MW-18 MONITORING WELL
	TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
	TOTAL VOC CONCENTRATION 10 ug/L TO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





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 (SEPTEMBER 14, 2016)
	GROUNDWATER CONTOUR (SEPTEMBER 14, 2016)
	APPROXIMATE GROUNDWATER FLOW DIRECTION
	NOT MEASURED

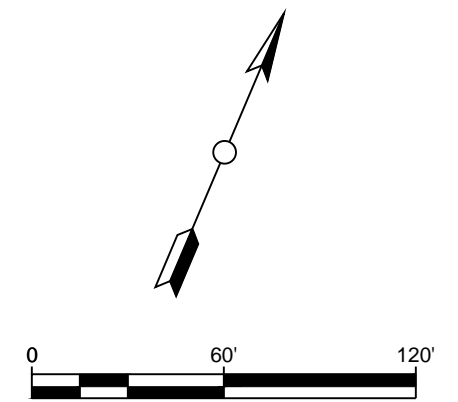


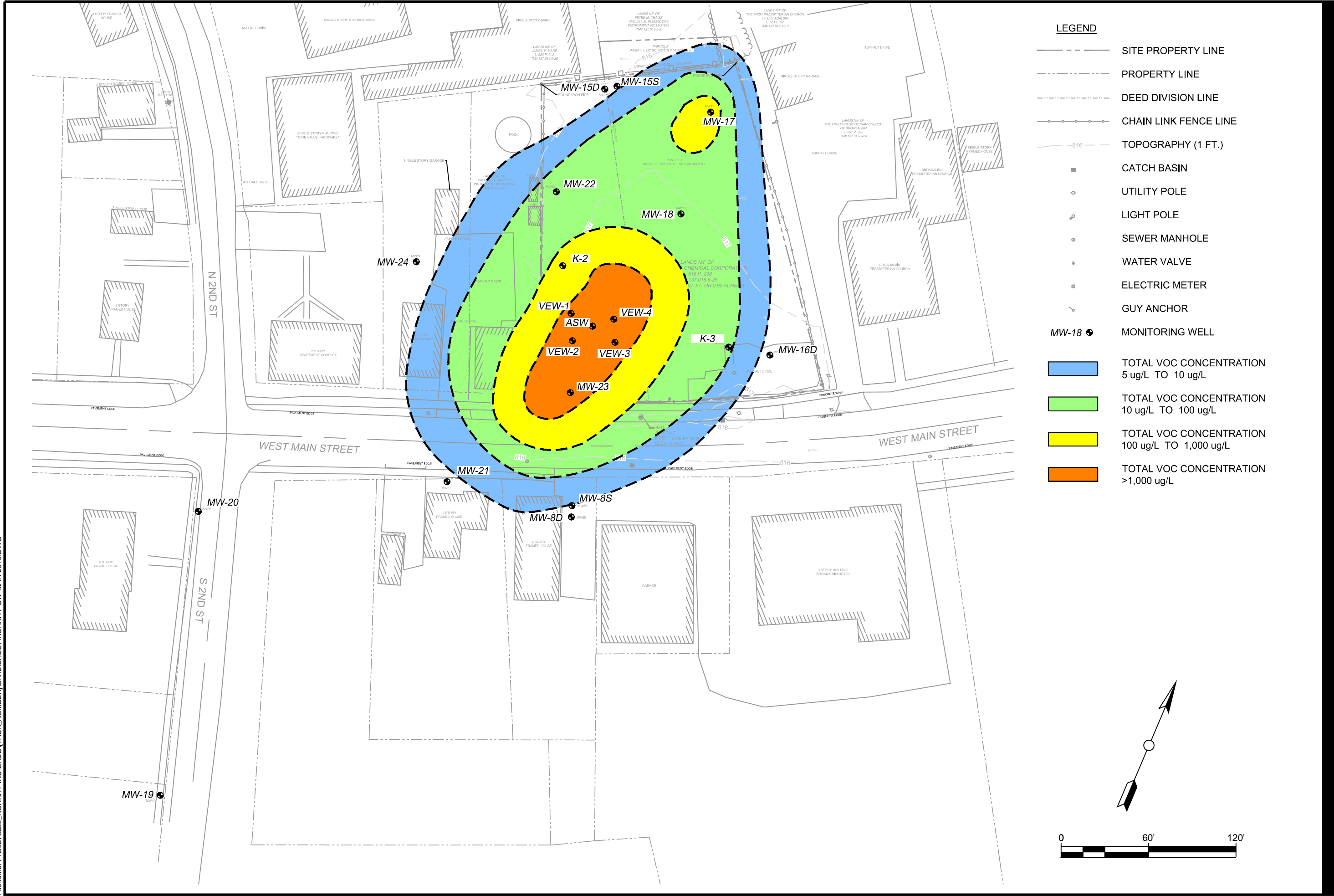


LEGEND

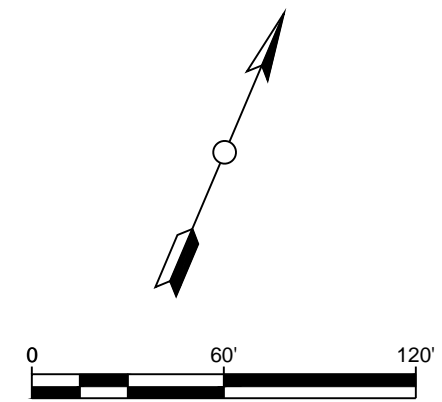
- SITE PROPERTY LINE
- - - PROPERTY LINE
- - - DEED DIVISION LINE
- CHAIN LINK FENCE LINE
- 816- TOPOGRAPHY (1 FT.)
- CATCH BASIN
- ◇ UTILITY POLE
- ⊙ LIGHT POLE
- SEWER MANHOLE
- ⊕ WATER VALVE
- ⊞ ELECTRIC METER
- ⊙ GUY ANCHOR
- MW-18 ● MONITORING WELL
- TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
- TOTAL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

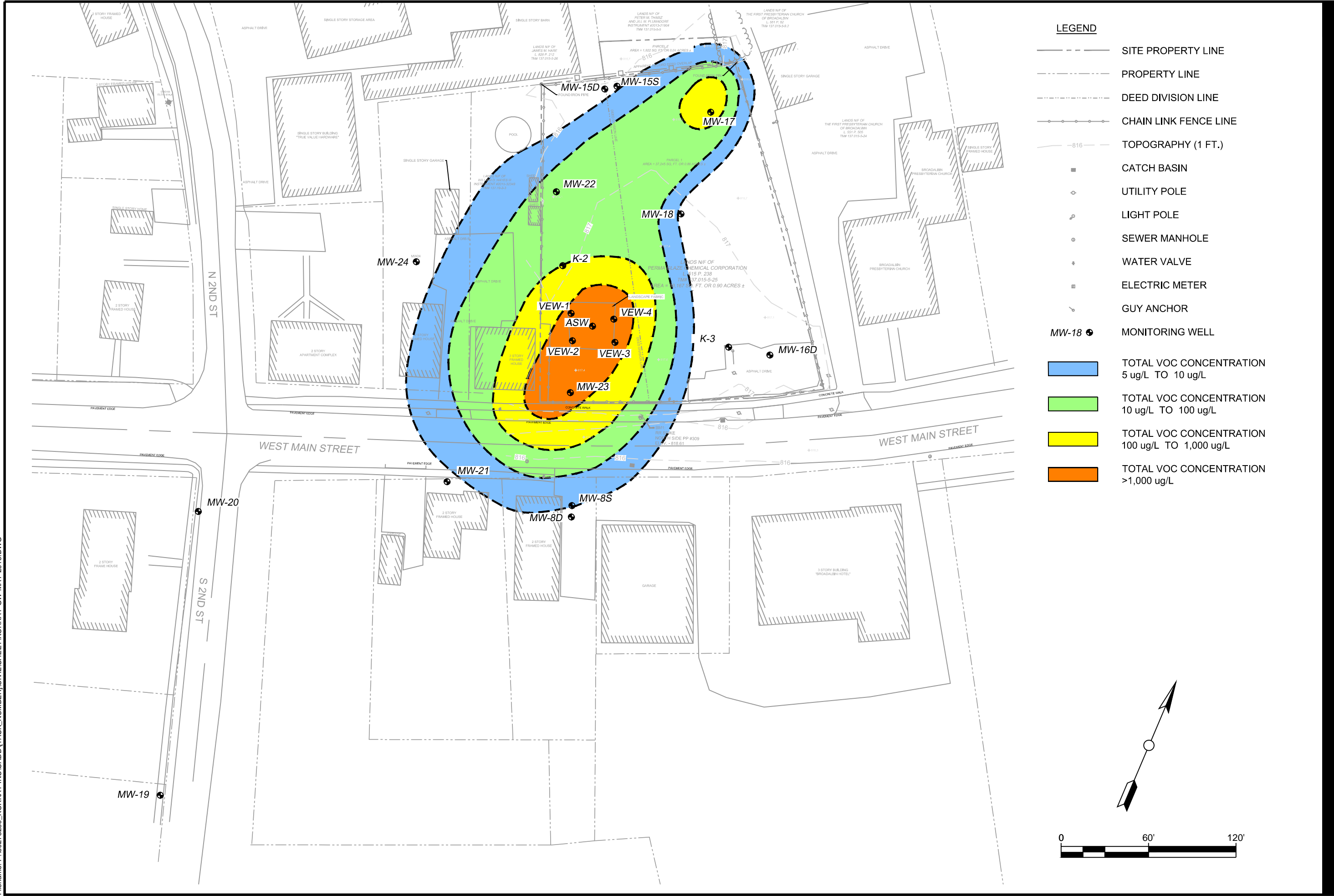
NOTE:
 ISCONCENTRATION CONTOURS DASHED WHERE
 INFERRED FROM OCTOBER 2015 SITE WIDE SAMPLE
 RESULTS.



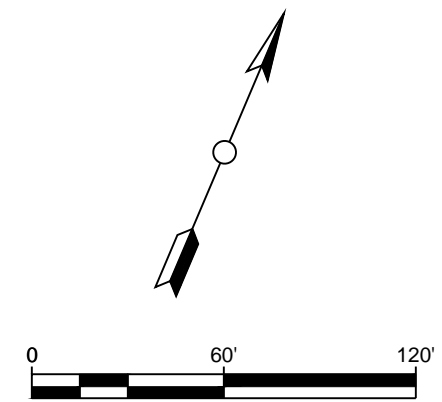


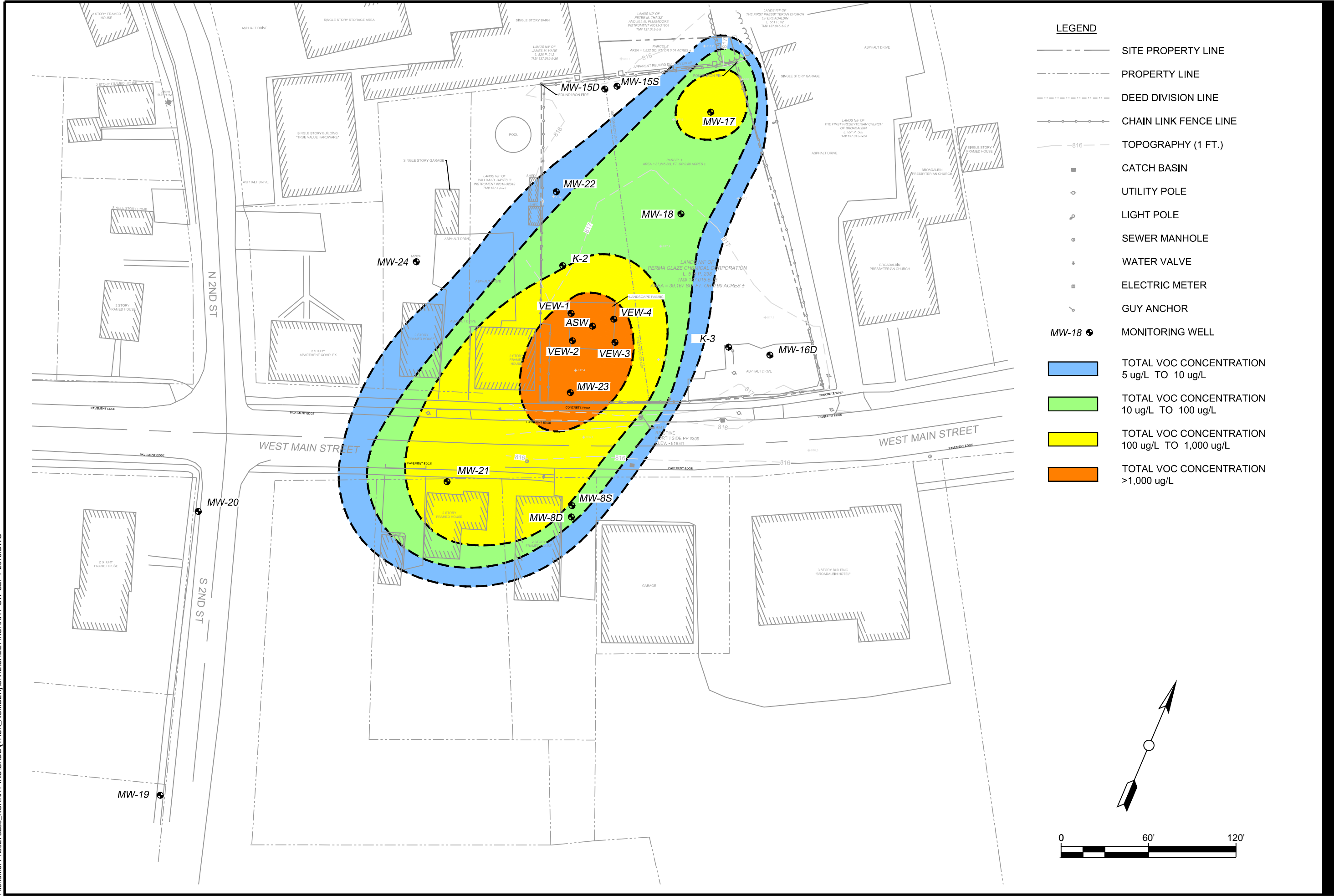
LEGEND	
---	SITE PROPERTY LINE
- - -	PROPERTY LINE
- · - · -	DEED DIVISION LINE
○ ○ ○ ○	CHAIN LINK FENCE LINE
-816-	TOPOGRAPHY (1 FT.)
■	CATCH BASIN
◇	UTILITY POLE
⊙	LIGHT POLE
○	SEWER MANHOLE
+	WATER VALVE
■	ELECTRIC METER
⋈	GUY ANCHOR
MW-18 ●	MONITORING WELL
Blue Box	TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
Light Green Box	TOTAL VOC CONCENTRATION 10 ug/L TO 100 ug/L
Yellow Box	TOTAL VOC CONCENTRATION 100 ug/L TO 1,000 ug/L
Orange Box	TOTAL VOC CONCENTRATION >1,000 ug/L



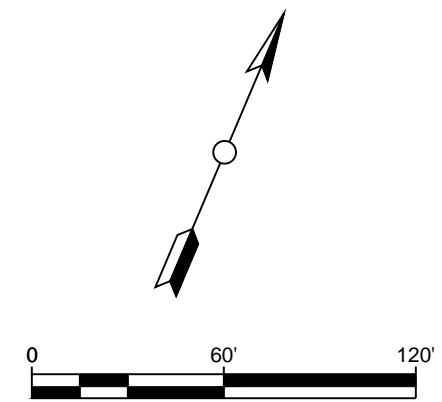


LEGEND	
	SITE PROPERTY LINE
	PROPERTY LINE
	DEED DIVISION LINE
	CHAIN LINK FENCE LINE
	TOPOGRAPHY (1 FT.)
	CATCH BASIN
	UTILITY POLE
	LIGHT POLE
	SEWER MANHOLE
	WATER VALVE
	ELECTRIC METER
	GUY ANCHOR
	MW-18 MONITORING WELL
	TOTAL VOC CONCENTRATION 5 ug/L TO 10 ug/L
	TOTAL VOC CONCENTRATION 10 ug/L TO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





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



Tables

Table 1

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

September 13, 2016

Well ID	Top of Casing Elevation**	Total Well Depth	Depth to Water	Water Table Elevation
MW-8S	816.04	10.63	7.55	808.49
MW-8D*	816.02	55.48	28.42	787.60
MW-15S	816.02	*	*	--
MW-15D*	816.13	39.98	26.05	790.08
MW-16D (formerly 'Flushmount')*	817.08	54.54	29.50	787.58
K-2	816.98	14.22	7.30	809.68
K-3	817.23	10.52	7.73	809.50
ASW	817.44	11.80	7.96	809.48
VEW-1	816.99	8.32	7.50	809.49
VEW-2	816.99	8.54	7.60	809.39
VEW-3	817.74	8.55	8.08	809.66
VEW-4	817.49	8.21	7.95	809.54
MW-17	816.23	14.40	6.15	810.08
MW-18	817.15	14.32	7.24	809.91
MW-19	809.28	9.59	5.03	804.25
MW-20	813.82	13.17	6.40	807.42
MW-21	816.19	11.12	7.85	808.34
MW-22	815.82	9.28	5.93	809.89
MW-23	817.21	14.27	8.10	809.11
MW-24	817.48	11.20	8.08	809.40

Notes:

* Deep aquifer wells

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

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

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

nm = Water level not measured.

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

Well ID	AWQS or GV	ASW					MW-17					MW-18																									
		10/13/15	12/8/15	3/8/16	5/31/16	9/14/16	10/14/15	12/8/15	12/8/15 ¹	3/8/16	5/31/16	5/31/2016 ¹	9/14/16	9/14/16 ¹	10/14/15	12/8/15	3/8/16	5/31/16	9/14/16																		
Volatile Organic Compounds (µg/L)																																					
1,2,4-Trimethylbenzene	5	420	950	880	970	F1	840	220	5	U	5	U	61	170	200	87	100	440	15	10	U	10	U	3.3	J												
1,2-Dichlorobenzene	3	24	31	28	35		27	28	15	U	14	U	10	14	20	11	12	26	10	U	10	U	10	U	4	U											
1,3,5-Trimethylbenzene	5	260	310	340	380		320	140	5	U	5	U	54	100	120	37	51	180	10	U	10	U	10	U	4	U											
1,1-Dichloroethane	5	5	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	4	U										
1,4-Dichlorobenzene	3	5	U	20	U	20	U	20	U	20	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	4	U										
2-Butanone (MEK)	50 (GV)	12	J	200	U	200	U	200	U	200	U	50	U	50	U	50	U	100	U	100	U	200	U	5	U	5	U	40	U								
4-Isopropyltoluene	5	37	39	47	58		41	28	5	U	5	U	6.6	J	19	25	9.7	12	31	3.5	J	10	U	10	U	4	U										
Acetone	50 (GV)	22	J	76	J	150	J	190	J	160	J	50	U	25	J	24	J	100	U	100	U	200	U	50	U	50	U	16	J								
Carbon Disulfide	60	5	U	20	U	20	U	4.8	J	5	U	5	U	5	U	2.7	J	4.4	J	5	U	1.3	J	2.3	J	5	U	4	U								
Chloroethane	5	5	U	20	U	20	U	14	J	20	U	5	U	5	U	10	U	10	U	5	U	5	U	5	U	10	U	4	U								
Chloromethane	NS	5	U	20	U	50		70		20	U	5	U	7		10	U	10	U	5	U	5	U	5	U	17		4	U								
cis-1,2-Dichloroethene	5	24		20	U	20	U	20	U	20	U	5	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	10	U	4	U						
Cyclohexane	NS	5	U	20	U	20	U	20	U	20	U	5	U	5	U	10	U	10	U	5	U	5	U	5	U	5	U	10	U	4	U						
Ethylbenzene	5	110	120	130	140		94	4	J	5	U	5	U	10	U	10	U	10	U	5	U	5	U	5	U	46		4	U								
Isopropylbenzene	5	34	43	43	56		37	9.1		5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	21		4	U								
Methylcyclohexane	NS	16	6.1	J	29		34	21		5	U	5	U	10	U	10	U	20	U	5	U	3	J	7		10	U	10	U	4	U						
m,p-Xylene	5	340	580	710	730	F1	610	21		10	U	10	U	20	U	20	U	40	U	3.3	J	4	J	220		20	U	20	U	2.6	J						
n-Butylbenzene	5	68	73	47	97		58	36		5	U	5	U	10	U	22		27		12		10		41		10	U	10	U	4	U						
n-Propylbenzene	5	60	78	80	110		69	16		5	U	5	U	10	U	10	U	20	U	4.8	J	6.2		42		10	U	10	U	4	U						
Methylene Chloride	5	5	U	20	U	14	J	20	U	21		5	U	5	U	5.7	J	10	U	5	U	5	U	5	U	4.5	J	6.3	J	4	U						
Naphthalene	10 (GV)	84	120	86	110		91	32		5	U	5	U	6.9	J	26		27		11		12		55		9.2	J	10	U	10	U	4	U				
o-Xylene	5	390	370	410	420	F1	330	32		8.2		7.8		11		23		25		5.6		5.6		120		10	U	10	U	8.5	J						
Styrene	5	5	U	20	U	20	U	20	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	5	U	10	U	10	U	4	U				
sec-Butylbenzene	5	30	30	20	47		36	16		5	U	5	U	10	U	7.9	J	20	U	5.3		7.8		21		10	U	10	U	4	U						
Tetrachloroethene (PCE)	5	5	U	20	U	15	J	34		25		4.6	J	4.1	J	3.6	J	10	U	3	J	4.3	J	18		10	U	3.6	J	10	U	11	J				
Trichloroethene	5	5	U	20	U	20	U	20	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	10	U	10	U	10	U	4	U				
Toluene	5	10		20	U	20	U	10	J	20	U	5	U	5	U	10	U	10	U	20	U	5	U	5	U	5	U	10	U	10	U	4	U				
Xylene (Total)	NS	550	950	1,100	1,100	F1	940	53		8.2	J	7.8	J	11	J	23		25	J	8.9	J	9.6	J	340		20	U	20	U	11	J						
Total VOCs²		1,941	J	2,826.1	J	3,059	J	3,525	F1J	2,785	J	591.5	J	59.3	J	56.4	J	147.9	J	386.3	J	424	J	188	J	230.2	J	1,272.4	J	122.2	J	9.9	J	--	U	41.4	J
Field Parameter Results																																					
DO (mg/L)	NA	ne	0.52	0	0.2	0.31		ne		0.54		0.2		0.1		0.38		ne	29	42	19	24.88															
ORP (MeV)	NA	ne	-105	-143	-93	-92.1		ne		-99		-157		-165		-124.8		ne	199	147	166	180.3															
Sodium Persulfate (mg/L)	NA	nt	nt	3.5	1.4	2.1		nt		nt		4.2		2.1		0.7		nt	nt	70	10	70															
Semivolatile Organic Compounds (µg/L)																																					
2,4,5-Trichlorophenol	NS	4.8	U	4.6	U	5.2	U	48	U	24	U	52	U	0.56	J	0.59	J	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U
2,4-Dimethylphenol	50 (GV)	2.7	J	8.6		10		8.9	J	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	0.76	J	26	U	4.6	U	4.9	U	5.0	U	4.6	U
2-Methylnaphthalene	NS	23		30		36		28	J	42		52	U	4.8	U	4.8	U	4.7	U	0.69	J	4.7	U	4.9	U	4.7	U	26	U	5.4		4.9	U	5.0	U	4.6	U
4-Methylphenol	NS	61		59		12		95	U	21	J	100	U	0.66	J	0.62	J	7.4	J	6.7	J	5	J	4.9	U	0.47	J	9.0	J	1.5	J	9.7	U	9.9	U	4.6	U
Acetophenone	NS	4.8	U	98		170		48	U	24	U	52	U	27		26		4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U
Benzaldehyde	NS	4.8	U	4.6	U	5.2	U	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	8.5		4.9	U	5.0	U	4.6	U
Biphenyl	5	1.7	J	2.2	J	2.5	J	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U
Butyl benzyl phthalate	50 (GV)	0.53	JB	4.6	U	5.2	U	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	0.52	JB	5.0	U	4.6	U
Di-n-butylphthalate	50	1.7	J	2.2	J	2.5	J	48	U	3	J	52	U	0.8	J	0.75	J	0.44	J	4.9	U	0.35	J	0.51	J	4.7	U	26	U	0.47	J	4.9	U	5.0	U	4.6	U
Diethyl phthalate	50 (GV)	4.8	U	4.6	U	5.2	U	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U
Di-n-octylphthalate	50 (GV)	4.8	U	4.6	U	5.2	U	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U
Fluorene	50 (GV)	0.46	J	0.48	J	0.59	J	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4.9	U	4.7	U	26	U	4.6	U	4.9	U	5.0	U	4.6	U
Naphthalene	10 (GV)	46		68		82		65		90		13	J	4.8	U	4.8	U	4.8	U	9.3		8.8		4.9	U	4.7	U	26	U	4.6	U	0.78	J	5.0	U	1.9	J
Phenol	1	4.8	U	0.48	J	5.2	U	48	U	24	U	52	U	4.8	U	4.8	U	4.7	U	4.9	U	4.7	U	4													

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

Well ID	AWQS or GV	MW-21				MW-22				MW-23									
		10/15/15	3/8/16	5/31/16	9/14/16	10/14/15	12/8/15	3/8/16	3/08/16 ¹	5/31/16	9/14/16	10/14/15	12/8/15	3/8/16	5/31/16	9/14/16			
Volatile Organic Compounds (µg/L)																			
1,2,4-Trimethylbenzene	5	140	0.91	J	1	U	130	21	26	19	13	5.9	5	U	110	160	770	570	570
1,2-Dichlorobenzene	3	20	U	1.1	U	1	U	12	5	U	10	U	5	U	18	8.6	47	34	30
1,3,5-Trimethylbenzene	5	39	U	1	U	1	U	1	11	13	15	16	5.2	5	U	66	49	260	200
1,1-Dichloroethane	5	20	U	1	U	1	U	0.9	J	5	U	10	U	5	U	5	U	10	U
1,4-Dichlorobenzene	3	20	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	10	U
2-Butanone (MEK)	50 (GV)	200	U	10	U	10	U	10	U	14	J	100	U	10	U	50	U	50	U
4-Isopropyltoluene	5	12	J	1	U	1	U	1	U	6.3	8.2	J	5.8	5.1	J	3.1	J	1.7	J
Acetone	50 (GV)	200	U	10	U	10	U	10	U	50	U	100	U	10	U	50	U	50	U
Carbon Disulfide	60	20	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U
Chloroethane	5	20	U	1	U	1	U	0.72	J	5	U	10	U	5	U	5	U	5	U
Chloromethane	NS	20	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U
cis-1,2-Dichloroethene	5	20	U	2.5	1.8	14	5	U	10	U	5	U	5	U	5	U	5	U	5
Cyclohexane	NS	20	U	1	U	1	U	1.7	5	U	10	U	5	U	5	U	5	U	5
Ethylbenzene	5	43	U	1	U	1	U	70	5.5	10	U	5	U	5	U	5	U	24	40
Isopropylbenzene	5	20	U	1	U	1	U	19	5	U	10	U	5	U	5	U	5	U	7.7
Methylcyclohexane	NS	20	U	1	U	1	U	4.2	3.1	J	10	U	5	U	5	U	5	U	6.1
m,p-Xylene	5	54	U	2	U	2	U	1.2	J	22	20	U	10	U	10	U	10	U	100
n-Butylbenzene	5	30	U	1	U	1	U	18	8	9.8	J	3.3	J	3.5	J	5	U	5	U
n-Propylbenzene	5	15	J	1	U	1	U	28	5	U	10	U	5	U	5	U	5	U	12
Methylene Chloride	5	20	U	1	U	1	U	1	U	5	U	10	U	5	U	3.7	J	5	U
Naphthalene	10 (GV)	20	U	1	U	1	U	1	U	5	U	4.3	J	2.8	J	5	U	5	U
o-Xylene	5	120	U	1	U	1	U	42	14	10	U	5	U	5	U	5	U	5	U
Styrene	5	20	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U
sec-Butylbenzene	5	20	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U
Tetrachloroethene (PCE)	5	20	U	1	U	1	U	0.52	J	3.4	J	10	U	5	U	5	U	2.4	J
Trichloroethene	5	20	U	1	U	1	U	0.63	J	5	U	10	U	5	U	5	U	5	U
Toluene	5	20	U	1	U	1	U	1	U	5	U	10	U	5	U	5	U	5	U
Xylene (Total)	NS	170	U	1	U	1	U	43	36	20	U	10	U	10	U	10	U	10	U
Total VOCs²		453	J	4.51	J	1.8	342.9	J	108.3	J	61.3	J	45.9	J	41.3	J	14.2	7.7	J
Field Parameter Results																			
DO (mg/L)	NA	ne	1.2	3.7	0.25	--	0.3	2.5	3.5	0.82	ne	0.53	0.15	0.17	0.27				
ORP (MeV)	NA	ne	-78	-18	-108.7	--	-88	-4	4	22.8	ne	-101	-175	-145	-108.2				
Sodium Persulfate (mg/L)	NA	nt	2.5	0.7	0.7	nt	nt	7	4	14	nt	nt	1.4	0.2	1				
Semivolatile Organic Compounds (µg/L)																			
2,4,5-Trichlorophenol	NS	5.7	U	4.6	U	4.6	F2F1	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U
2,4-Dimethylphenol	50 (GV)	2.4	J	4.6	U	4.6	F2F1	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U
2-Methylnaphthalene	NS	5.7	U	4.6	U	4.6	F2	4.6	U	5.5	U	2.1	J	4.8	U	4.7	U	4.8	U
4-Methylphenol	NS	1.7	J	9.2	U	9.3	F2	4.6	U	0.53	J	0.95	J	9.7	U	9.3	U	9.5	U
Acetophenone	NS	5.7	U	4.6	U	4.6	F2F1	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U
Benzaldehyde	NS	5.7	U	4.6	U	4.6	F2	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U
Biphenyl	5	5.7	U	4.6	U	4.6	F2	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U
Butyl benzyl phthalate	50 (GV)	0.61	JB	4.6	U	4.6	F2F1	4.6	U	5.5	U	4.9	U	4.8	U	0.55	JB	4.8	U
Di-n-butylphthalate	50	0.71	J	4.6	U	4.6	F2	0.96	J	1.3	J	2	J	1.3	J	1.2	J	0.48	J
Diethyl phthalate	50 (GV)	5.7	U	4.6	U	4.6	F2F1	4.6	U	5.5	U	4.9	U	0.78	J	0.87	J	4.8	U
Di-n-octylphthalate	50 (GV)	0.93	J	4.6	U	4.6	F2	4.6	U	5.5	U	4.9	U	4.8	U	4.7	U	4.8	U
Fluorene	50 (GV)	5.7	U	4.6	U	4.6	F2F1	4.6	U	5.5	U	0.35	J	4.8	U	4.7	U	4.8	U
Naphthalene	10 (GV)	5.7	U	4.6	U	4.6	F2	4.6	U	5.5	U	3.1	J	4.8	U	0.73	J	4.8	U
Phenol	1	5.7	U	4.6	U	4.6	U	4.6	U	1.0	J	4.9	U	4.8	U	4.7	U	4.8	U
Organochlorine Pesticides (µg/L)																			
Aldrin	ND	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.12	J	0.044	J	0.094	J	0.096	U
alpha-BHC	0.01	0.25	U	0.03	J	0.047	U	0.23	U	0.53	U	0.084	J	0.24	U	0.24	U	0.096	U
alpha-Chlordane	NS	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.16	J	0.41	0.63	0.096	U	0.6	0.10
beta-BHC	0.04	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.26	J	0.24	U	0.24	U	0.096	U
delta-BHC	0.04	0.25	U	0.098	U	0.014	J	0.23	U	0.53	U	0.27	J	0.055	J	0.1	J	0.096	U
Dieldrin	0.004	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.28	J	0.24	U	0.24	U	0.096	U
Endosulfan Sulfate	NS	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U
Endrin Aldehyde	5	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U
gamma-BHC (Lindane)	0.05	0.25	U	0.017	JB	0.0089	J	0.23	U	0.53	U	0.12	J	0.24	U	0.24	U	0.22	0.093
Heptachlor	0.04	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U
Heptachlor Epoxide	0.03	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.25	J	0.24	U	0.24	U	0.096	U
Methoxychlor	35	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.5	U	0.24	U	0.24	U	0.096	U
4,4-DDD	0.3	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.16	J	0.24	U	0.24	U	0.096	U
P,P'-DDE	0.2	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.5	U	0.24	U	0.12	J	0.096	U
gamma-Chlordane	NS	0.25	U	0.098	U	0.047	U	0.23	U	0.53	U	0.5	U	0.24	U	0.13	J	0.096	U

Notes:
 Results compared to the New York State Ambient
 NS - No standard or GV.
 ND - Non-detectable concentration
 NA - Not applicable
BOLD font indicates compound concentrations d
 Shaded cells indicate exceedance of AWQS or C
 U - Compound analyzed for but not detected
 J - Estimated concentration for compound detect
 B - For organic analyses - compound detected in
 F1 - MS and/or MSD recovery is outside accepta
 F2 - MS/MSD RPD exceeds control limits
 ne - Not evaluated
 nt - Not tested
¹ - Duplicate Sample
² - Sum of all VOC concentrations detected in the

Charts

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

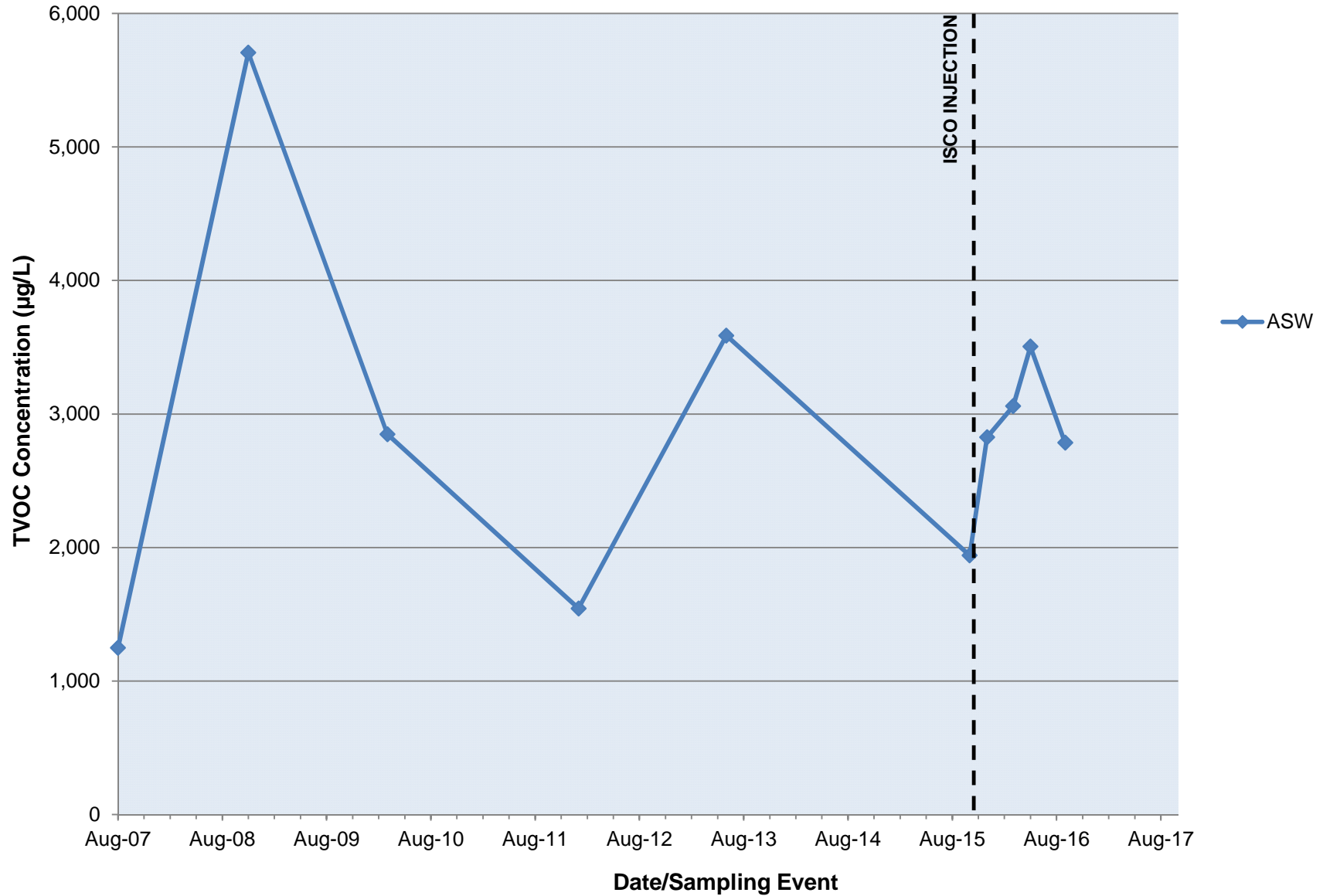
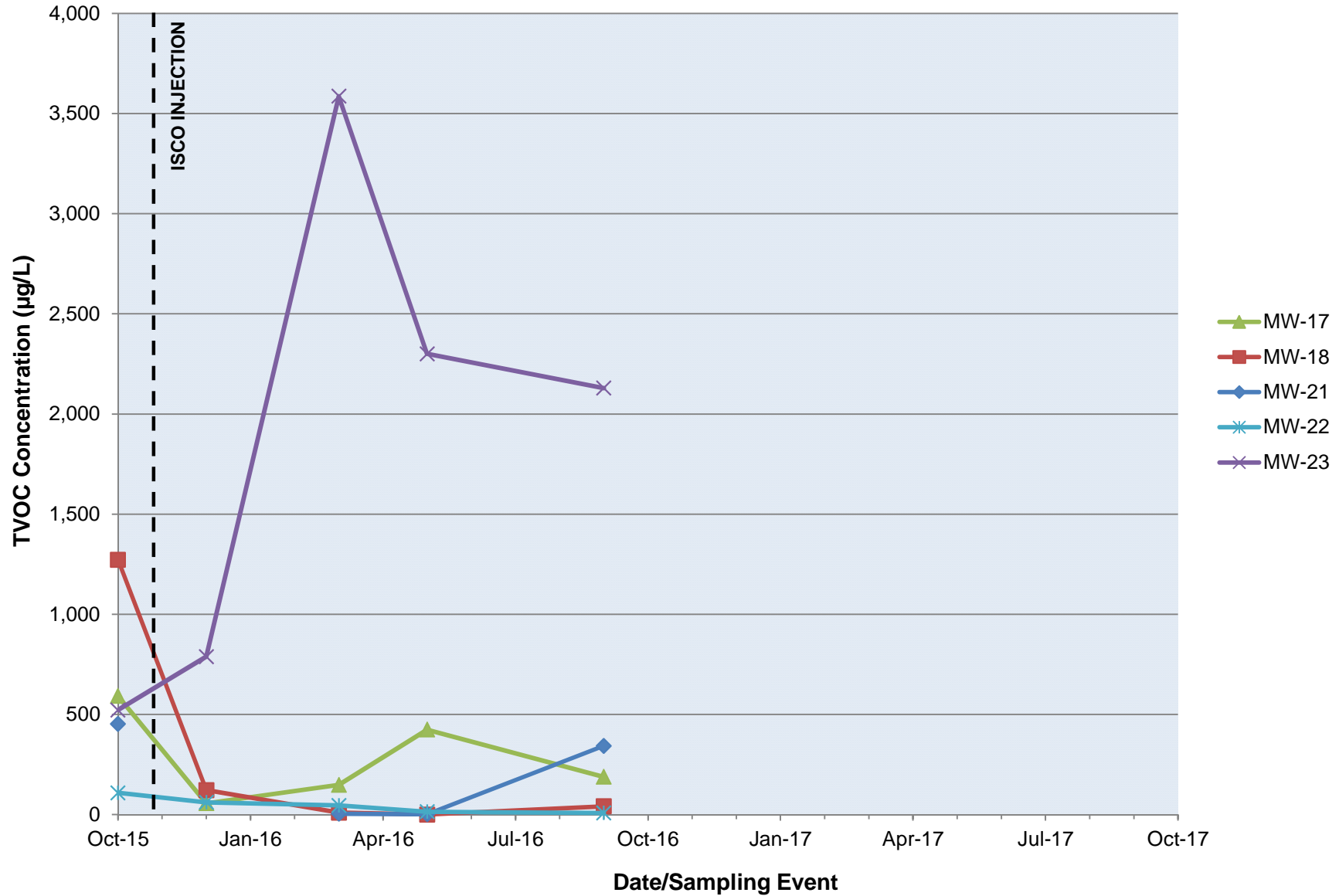


Chart 2
Post ISCO Injection Groundwater TVOC Concentration Trends - ISCO Monitoring Wells
Korkay Inc.



Appendix A

Groundwater Sampling Records

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: ASW Date: 9/14/2016

Samplers: Ross McCredy

Sample Number: ASW 091416 QA/QC Collected? No

Purging / Sampling Method: Peristaltic pump and dedicated tubing

- 1. L = Well Depth: 11.80 feet
- 2. D = Riser Diameter (I.D.): 0.17 feet
- 3. W = Depth to Water: 7.96 feet
- 4. C = Column of Water in Well: 3.84 feet
- 5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 0.626 gal
- 6. 3(V) = Target Purge Volume 1.88 gal

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

Conversion factors to determine V given C

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

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

Parameter	Units	Readings					
Time	24 hr	<u>1115</u>	<u>1120</u>	<u>1125</u>	<u>1130</u>		
Water Level (0.33)	feet	<u>8.02</u>	<u>8.02</u>	<u>8.02</u>	<u>8.02</u>		
Volume Purged	gal	<u>0</u>	<u>0.1</u>	<u>0.22</u>	<u>0.30</u>		
Flow Rate	mL/min	<u><100</u>	<u><100</u>	<u><100</u>	<u><100</u>		
Turbidity (+/- 10%)	NTU	<u>18.8</u>	<u>2.48</u>	<u>1.28</u>	<u>1.22</u>		
Dissolved Oxygen (+/- 10%)	%	<u>3.7</u>	<u>4.2</u>	<u>4.0</u>	<u>3.2</u>		
Dissolved Oxygen (+/- 10%)	mg/L	<u>0.37</u>	<u>0.42</u>	<u>0.40</u>	<u>0.31</u>		
Eh / ORP (+/- 10)	MeV	<u>-59.0</u>	<u>-80.0</u>	<u>-89.2</u>	<u>-92.1</u>		
Specific Conductance (+/- 3%)	mS/cm ^c	<u>1.17</u>	<u>1.17</u>	<u>1.18</u>	<u>1.19</u>		
Conductivity (+/- 3%)	mS/cm	<u>0.98</u>	<u>0.99</u>	<u>0.99</u>	<u>1.00</u>		
pH (+/- 0.1)	pH unit	<u>6.16</u>	<u>6.20</u>	<u>6.23</u>	<u>6.23</u>		
Temp (+/- 0.5)	C ^o	<u>16.6</u>	<u>16.8</u>	<u>16.8</u>	<u>16.7</u>		
Color	Visual	<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>		

Comments:
 Purge start time: 1115
 Sample collection time: 1130

Persulfate: 2.1 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-17 Date: 9/14/2016

Samplers: Ross McCredy

Sample Number: MW-17 091416 QA/QC Collected? DUPI 091416

Purging / Sampling Method: Peristaltic pump and dedicated tubing

- | <p>1. L = Well Depth: <u>14.40</u> feet</p> <p>2. D = Riser Diameter (I.D.): <u>0.17</u> feet</p> <p>3. W = Depth to Water: <u>6.15</u> feet</p> <p>4. C = Column of Water in Well: <u>8.25</u> feet</p> <p>5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) <u>1.34</u> gal</p> <p>6. 3(V) = Target Purge Volume <u>4.03</u> gal</p> | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>D (inches)</th> <th>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> <tr><td>1.5-inch</td><td>0.125</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 | 1.5-inch | 0.125 |
|--|---|------------|----------|--------|------|--------|------|--------|------|--------|------|--------|------|----------|-------|
| D (inches) | D (feet) | | | | | | | | | | | | | | |
| 1-inch | 0.08 | | | | | | | | | | | | | | |
| 2-inch | 0.17 | | | | | | | | | | | | | | |
| 3-inch | 0.25 | | | | | | | | | | | | | | |
| 4-inch | 0.33 | | | | | | | | | | | | | | |
| 6-inch | 0.50 | | | | | | | | | | | | | | |
| 1.5-inch | 0.125 | | | | | | | | | | | | | | |

Conversion factors to determine V given C

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

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

Parameter	Units	Readings							
		900	905	910	915	920	925		
Time	24 hr	900	905	910	915	920	925		
Water Level (0.33)	feet	6.30	6.48	6.62	6.70	6.72	6.74		
Volume Purged	gal	0	0.2	0.4	0.6	0.80	1.1		
Flow Rate	mL/min	< 100 ml	< 100	< 100	< 100	< 100	< 100		
Turbidity (+/- 10%)	NTU	11.5	2.76	1.87	2.29	2.24	1.92		
Dissolved Oxygen (+/- 10%)	%	6.13	17.1	5.7	4.4	4.0	3.8		
Dissolved Oxygen (+/- 10%)	mg/L	6.21	1.72	0.57	0.43	0.39	0.38		
Eh / ORP (+/- 10)	MeV	-97.7	-107.4	-117.9	-121.6	-122.7	-124.8		
Specific Conductance (+/- 3%)	mS/cm ^c	0.441	0.423	0.411	0.404	0.405	0.407		
Conductivity (+/- 3%)	mS/cm	0.353	0.347	0.340	0.337	0.339	0.343		
pH (+/- 0.1)	pH unit	6.30	6.26	6.28	6.28	6.27	6.28		
Temp (+/- 0.5)	C ^o	15.0	15.4	16.2	16.2	16.5	16.7		
Color	Visual	clear	clear	clear	clear	clear	clear		
Odor	Olfactory	No	No	Sulfur	Sulfur	Sulfur	Sulfur		

Comments:
Purge start time: 900
Sample collection time: 925
Per-sulfide = 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-18 Date: 9/14/2016

Samplers: Ross McCredy

Sample Number: MW-18 091416 QA/QC Collected? No

Purging / Sampling Method: Peristaltic pump and dedicated tubing

1. L = Well Depth: 14.32 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 7.24 feet
4. C = Column of Water in Well: 7.08 feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 1.15 gal
6. 3(V) = Target Purge Volume 3.46 gal

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

Conversion factors to determine V given C

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

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

Parameter	Units	Readings						
Time	24 hr	945	930	955	1000	1005	1010	1015
Water Level (0.33)	feet	7.49	7.77	8.00	8.04	8.10	8.10	8.10
Volume Purged	gal	0	0.2	0.240	0.60	0.90	1.1	1.3
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	<100
Turbidity (+/- 10%)	NTU	3421	2341	635	806	130	62.1	171
Dissolved Oxygen (+/- 10%)	%	204.2	204.1	277.9	282.9	265.3	263.1	276.3
Dissolved Oxygen (+/- 10%)	mg/L	28.80	28.55	27.72	27.97	26.08	25.77	27.26
Eh / ORP (+/- 10)	MeV	84.2	166.0	182.2	181.9	191.7	186.0	203.3
Specific Conductance (+/- 3%)	mS/cm ^c	1.18	1.16	1.17	1.18	1.17	1.16	1.22
Conductivity (+/- 3%)	mS/cm	0.95	0.95	0.96	0.96	0.96	0.96	1.00
pH (+/- 0.1)	pH unit	8.43	7.92	7.00	6.91	6.71	6.60	6.90
Temp (+/- 0.5)	C°	14.8	15.0	15.5	15.5	15.8	16.1	16.0
Color	Visual	cloudy BR	cloudy BR	cloudy	cloudy	clearing	clear	cloudy
Odor	Olfactory	sulfur	sulfur	sulfur	sulfur	No	No	No

Comments:

Purge start time: 945
 Sample collection time:

cleaned out Flow-through cell @ 955
 pre-sulfate: 70+, very red

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-18 Date: 9/11/2016

Samplers: Ross McCredy

Sample Number: MW-18 091416 QA/QC Collected? No

Purging / Sampling Method: Peristaltic pump and dedicated tubing

- 1. L = Well Depth: 14.32 feet
- 2. D = Riser Diameter (I.D.): 0.17 feet
- 3. W = Depth to Water: 7.24 feet
- 4. C = Column of Water in Well: 7.08 feet
- 5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 1.15 gal
- 6. 3(V) = Target Purge Volume 3.46 gal

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

Conversion factors to determine V given C

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

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

Parameter	Units	Readings					
		1020	1025	1030			
Time	24 hr	1020	1025	1030			
Water Level (0.33)	feet	8.10	8.11	8.11			
Volume Purged	gal	1.5	1.70	1.9			
Flow Rate	mL/min	<100	<100	<100			
Turbidity (+/- 10%)	NTU	191	87	80			
Dissolved Oxygen (+/- 10%)	%	280.4	250.1	254.1			
Dissolved Oxygen (+/- 10%)	mg/L	27.69	24.90	24.88			
Eh / ORP (+/- 10)	MeV	196.6	190.1	180.3			
Specific Conductance (+/- 3%)	mS/cm ^c	1.18	1.15	1.15			
Conductivity (+/- 3%)	mS/cm	0.97	0.95	0.94			
pH (+/- 0.1)	pH unit	6.62	6.54	6.52			
Temp (+/- 0.5)	C°	15.6	15.8	15.9			
Color	Visual	clear	clear	clear			
Odor	Olfactory	No	No	No			

Comments: 945
Purge start time: 945
Sample collection time: 1030

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-21 Date: 9/14/2016

Samplers: Ross McCredy

Sample Number: MW-21 091416 QA/QC Collected? No

Purging / Sampling Method: Peristaltic pump and dedicated tubing

1. L = Well Depth: 11.12 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 7.85 feet
4. C = Column of Water in Well: 3.27 feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 0.533 gal
6. 3(V) = Target Purge Volume 1.60 gal

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

Conversion factors to determine V given C

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

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

Parameter	Units	Readings				
Time	24 hr	1220	1225	1230	1235	1240
Water Level (0.33)	feet	7.95	7.96	7.95	7.95	7.96
Volume Purged	gal	0	0.1	0.20	0.70	0.40
Flow Rate	mL/min	<100	<100	<100	<100	<100
Turbidity (+/- 10%)	NTU	5.1	15.0	17.0	16.3	15.8
Dissolved Oxygen (+/- 10%)	%	2.6	3.0	3.1	2.8	2.7
Dissolved Oxygen (+/- 10%)	mg/L	0.26	0.30	0.30	0.27	0.25
Eh / ORP (+/- 10)	MeV	-74.6	-102.2	-110.2	-108.4	-108.7
Specific Conductance (+/- 3%)	mS/cm ^c	1.53	1.57	1.55	1.56	1.56
Conductivity (+/- 3%)	mS/cm	1.27	1.31	1.30	1.31	1.31
pH (+/- 0.1)	pH unit	6.55	6.70	6.70	6.70	6.71
Temp (+/- 0.5)	C°	16.1	16.5	16.6	16.6	16.5
Color	Visual	cloudy	clear	clear	clear	clear
Odor	Olfactory	No	No	No	No	No

Comments:
 Purge start time: 1220
 Sample collection time: 1240

Persulfate: 0.7 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW -22 Date: 9/14/2016

Samplers: Ross McCredy

Sample Number: MW -22 091416 QA/QC Collected? No

Purging / Sampling Method: Peristaltic pump and dedicated tubing

1. L = Well Depth:	<u>9.28</u>	feet		D (inches)	D (feet)
2. D = Riser Diameter (I.D.):	<u>0.17</u>	feet		1-inch	0.08
3. W = Depth to Water:	<u>5.93</u>	feet		2-inch	0.17
4. C = Column of Water in Well:	<u>3.85</u>	feet		3-inch	0.25
5. V = Volume of Water in Well = C(3.14159)(0.5D) ² (7.48)	<u>0.55</u>	gal		4-inch	0.33
6. 3(V) = Target Purge Volume	<u>1.64</u>	gal		6-inch	0.50
				1.5-inch	0.125

Conversion factors to determine V given C

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

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

Parameter	Units	Readings						
		1035	1040	1045	1050	1055	1100	1105
Time	24 hr	1035	1040	1045	1050	1055	1100	1105
Water Level (0.33)	feet	6.00	6.10	6.12	6.15	6.17	6.19	6.20
Volume Purged	gal	0	0.15	0.30	0.40	0.50	0.65	0.80
Flow Rate	mL/min	<100	<100	<100	<100	<100	<100	<100
Turbidity (+/- 10%)	NTU	49.0	29.6	24.4	12.4	5.66	5.31	5.02
Dissolved Oxygen (+/- 10%)	%	8.00	9.9	10.6	11.8	10.0	9.2	8.3
Dissolved Oxygen (+/- 10%)	mg/L	0.79	0.95	1.02	1.13	0.92	0.90	0.82
Eh / ORP (+/- 10)	MeV	128.1	115.1	87.9	47.1	40.1	31.8	22.8
Specific Conductance (+/- 3%)	mS/cm ^c	0.276	0.244	0.249	0.251	0.249	0.254	0.251
Conductivity (+/- 3%)	mS/cm	0.251	0.207	0.211	0.212	0.213	0.216	0.213
pH (+/- 0.1)	pH unit	6.91	6.36	6.27	6.22	6.21	6.20	6.20
Temp (+/- 0.5)	C°	16.4	16.9	17.0	17.0	17.1	17.1	17.1
Color	Visual	clear	clear	clear	clear	clear	clear	clear
Odor	Olfactory	NO	NO	NO	NO	NO	NO	NO

Comments:

Purge start time: 1035
 Sample collection time: 1105

Persulfate : 14 ppm

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay 60273289.00

Monitoring Well Number: MW-23 Date: 9/14/2016

Samplers: Ross McCredy

Sample Number: MW-23 091416 QA/QC Collected? No

Purging / Sampling Method: Peristaltic pump and dedicated tubing

1. L = Well Depth: 14.27 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Depth to Water: 8.10 feet
4. C = Column of Water in Well: 6.17 feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)²(7.48) 1.00 gal
6. 3(V) = Target Purge Volume 3.00 gal

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

Conversion factors to determine V given C

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

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

Parameter	Units	Readings					
Time	24 hr	<u>1145</u>	<u>1150</u>	<u>1155</u>	<u>1200</u>	<u>1205</u>	
Water Level (0.33)	feet	<u>8.15</u>	<u>8.15</u>	<u>8.15</u>	<u>8.15</u>	<u>8.15</u>	
Volume Purged	gal	<u>0</u>	<u>0.15</u>	<u>0.30</u>	<u>0.40</u>	<u>0.45</u>	
Flow Rate	mL/min	<u><100</u>	<u><100</u>	<u><100</u>	<u><100</u>	<u><100</u>	
Turbidity (+/- 10%)	NTU	<u>13.2</u>	<u>2.80</u>	<u>1.61</u>	<u>1.26</u>	<u>1.22</u>	
Dissolved Oxygen (+/- 10%)	%	<u>2.5</u>	<u>3.9</u>	<u>3.3</u>	<u>2.9</u>	<u>2.8</u>	
Dissolved Oxygen (+/- 10%)	mg/L	<u>0.25</u>	<u>0.39</u>	<u>0.32</u>	<u>0.29</u>	<u>0.27</u>	
Eh / ORP (+/- 10)	MeV	<u>-93.3</u>	<u>-120.3</u>	<u>-111.8</u>	<u>-103.8</u>	<u>-108.2</u>	
Specific Conductance (+/- 3%)	mS/cm ^c	<u>1.53</u>	<u>1.43</u>	<u>1.38</u>	<u>1.31</u>	<u>1.30</u>	
Conductivity (+/- 3%)	mS/cm	<u>1.23</u>	<u>1.15</u>	<u>1.13</u>	<u>1.08</u>	<u>1.07</u>	
pH (+/- 0.1)	pH unit	<u>6.48</u>	<u>6.55</u>	<u>6.46</u>	<u>6.39</u>	<u>6.41</u>	
Temp (+/- 0.5)	C°	<u>14.9</u>	<u>14.7</u>	<u>15.1</u>	<u>15.6</u>	<u>15.8</u>	
Color	Visual	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	<u>Clear</u>	
Odor	Olfactory	<u>No</u>	<u>Milk?</u>	<u>S. Milk</u>	<u>S. Milk</u>	<u>S. Milk</u>	

Comments:

Purge start time: 1145
 Sample collection time: 1205

persulfate ~1 ppm

Appendix B

Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-105978-1

Client Project/Site: Korkay, Inc. #518014

For:

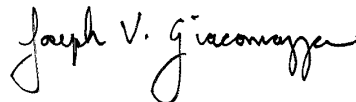
New York State D.E.C.

625 Broadway

4th Floor

Albany, New York 12233

Attn: Mr. Payson Long



Authorized for release by:

9/22/2016 3:16:06 PM

Joe Giacomazza, Project Management Assistant II

joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager

(484)685-0868

judy.stone@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



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

3

4

5

6

7

8

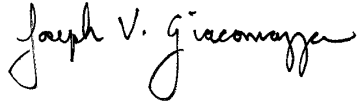
9

10

11

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 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
9/22/2016 3:16:06 PM



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Lab Chronicle	37
Certification Summary	39
Method Summary	40
Sample Summary	41
Chain of Custody	42
Receipt Checklists	43

Definitions/Glossary

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

TestAmerica Job ID: 480-105978-1

Qualifiers

GC/MS 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.

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.
*	LCS or LCSD is outside acceptance limits.
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
B	Compound was found in the blank and sample.

Glossary

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

Case Narrative

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

TestAmerica Job ID: 480-105978-1

Job ID: 480-105978-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-105978-1

Receipt

The samples were received on 9/15/2016 1:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.6° 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: MW-17 091416 (480-105978-2) and MW-18 091416 (480-105978-3). 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: DUP-1 091416 (480-105978-1), ASW 091416 (480-105978-5) and MW-23 091416 (480-105978-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-22 091416 (480-105978-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-21 091416 (480-105978-7). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-321244 recovered above the upper control limit for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol and Pentachlorophenol. 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 091416 (480-105978-1), MW-17 091416 (480-105978-2), MW-18 091416 (480-105978-3), MW-22 091416 (480-105978-4), ASW 091416 (480-105978-5), MW-23 091416 (480-105978-6) and MW-21 091416 (480-105978-7).

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-320630 and analytical batch 480-321244 recovered outside control limits for the following analytes: 2,4-Dinitrophenol and 4-Nitrophenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-320630 and analytical batch 480-321244 recovered outside control limits for the following analyte: Benzaldehyde. Benzaldehyde has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: ASW 091416 (480-105978-5) and MW-23 091416 (480-105978-6). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: ASW 091416 (480-105978-5) and MW-23 091416 (480-105978-6). 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: DUP-1 091416 (480-105978-1), MW-17 091416 (480-105978-2), MW-18 091416 (480-105978-3), ASW 091416 (480-105978-5), MW-23 091416 (480-105978-6) and MW-21 091416 (480-105978-7). As such, surrogate recoveries are below the calibration range, are estimated and not representative. Elevated reporting limits (RLs) are provided.

Case Narrative

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

TestAmerica Job ID: 480-105978-1

Job ID: 480-105978-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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

Organic Prep

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

1

2

3

4

5

6

7

8

9

10

11

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: DUP-1 091416

Lab Sample ID: 480-105978-1

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 14:26	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/20/16 14:26	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/20/16 14:26	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/20/16 14:26	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/20/16 14:26	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/20/16 14:26	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/20/16 14:26	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			09/20/16 14:26	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			09/20/16 14:26	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			09/20/16 14:26	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/20/16 14:26	5
1,2,4-Trimethylbenzene	100		5.0	3.8	ug/L			09/20/16 14:26	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/20/16 14:26	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/20/16 14:26	5
1,2-Dichlorobenzene	12		5.0	4.0	ug/L			09/20/16 14:26	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/20/16 14:26	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/20/16 14:26	5
1,3,5-Trimethylbenzene	51		5.0	3.9	ug/L			09/20/16 14:26	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/20/16 14:26	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			09/20/16 14:26	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/20/16 14:26	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			09/20/16 14:26	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/20/16 14:26	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			09/20/16 14:26	5
2-Hexanone	ND		25	6.2	ug/L			09/20/16 14:26	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			09/20/16 14:26	5
4-Isopropyltoluene	12		5.0	1.6	ug/L			09/20/16 14:26	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/20/16 14:26	5
Acetone	ND		50	15	ug/L			09/20/16 14:26	5
Benzene	ND		5.0	2.1	ug/L			09/20/16 14:26	5
Bromobenzene	ND		5.0	4.0	ug/L			09/20/16 14:26	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/20/16 14:26	5
Bromoform	ND		5.0	1.3	ug/L			09/20/16 14:26	5
Bromomethane	ND		5.0	3.5	ug/L			09/20/16 14:26	5
Carbon disulfide	2.3 J		5.0	0.95	ug/L			09/20/16 14:26	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/20/16 14:26	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/20/16 14:26	5
Chlorobromomethane	ND		5.0	4.4	ug/L			09/20/16 14:26	5
Chloroethane	ND		5.0	1.6	ug/L			09/20/16 14:26	5
Chloroform	ND		5.0	1.7	ug/L			09/20/16 14:26	5
Chloromethane	ND		5.0	1.8	ug/L			09/20/16 14:26	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/20/16 14:26	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/20/16 14:26	5
Cyclohexane	ND		5.0	0.90	ug/L			09/20/16 14:26	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/20/16 14:26	5
Dibromomethane	ND		5.0	2.1	ug/L			09/20/16 14:26	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/20/16 14:26	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/20/16 14:26	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			09/20/16 14:26	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: DUP-1 091416

Lab Sample ID: 480-105978-1

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 14:26	5
Isopropylbenzene	ND		5.0	4.0	ug/L			09/20/16 14:26	5
m,p-Xylene	4.0	J	10	3.3	ug/L			09/20/16 14:26	5
Methyl acetate	ND		13	6.5	ug/L			09/20/16 14:26	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			09/20/16 14:26	5
Methylcyclohexane	3.0	J	5.0	0.80	ug/L			09/20/16 14:26	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/20/16 14:26	5
Naphthalene	12		5.0	2.2	ug/L			09/20/16 14:26	5
n-Butylbenzene	10		5.0	3.2	ug/L			09/20/16 14:26	5
N-Propylbenzene	6.2		5.0	3.5	ug/L			09/20/16 14:26	5
o-Xylene	5.6		5.0	3.8	ug/L			09/20/16 14:26	5
sec-Butylbenzene	7.8		5.0	3.8	ug/L			09/20/16 14:26	5
Styrene	ND		5.0	3.7	ug/L			09/20/16 14:26	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			09/20/16 14:26	5
Tetrachloroethene	4.3	J	5.0	1.8	ug/L			09/20/16 14:26	5
Toluene	ND		5.0	2.6	ug/L			09/20/16 14:26	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/20/16 14:26	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/20/16 14:26	5
Trichloroethene	ND		5.0	2.3	ug/L			09/20/16 14:26	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/20/16 14:26	5
Vinyl acetate	ND		25	4.3	ug/L			09/20/16 14:26	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/20/16 14:26	5
Xylenes, Total	9.6	J	10	3.3	ug/L			09/20/16 14:26	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		09/20/16 14:26	5
4-Bromofluorobenzene (Surr)	102		73 - 120		09/20/16 14:26	5
Dibromofluoromethane (Surr)	93		75 - 123		09/20/16 14:26	5
Toluene-d8 (Surr)	91		80 - 120		09/20/16 14:26	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.7	0.61	ug/L		09/16/16 06:51	09/20/16 12:49	1
bis (2-chloroisopropyl) ether	ND		4.7	0.49	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,4,5-Trichlorophenol	ND		4.7	0.45	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,4,6-Trichlorophenol	ND		4.7	0.57	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,4-Dichlorophenol	ND		4.7	0.48	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,4-Dimethylphenol	0.76	J	4.7	0.47	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,4-Dinitrophenol	ND	*	9.4	2.1	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,4-Dinitrotoluene	ND		4.7	0.42	ug/L		09/16/16 06:51	09/20/16 12:49	1
2,6-Dinitrotoluene	ND		4.7	0.37	ug/L		09/16/16 06:51	09/20/16 12:49	1
2-Chloronaphthalene	ND		4.7	0.43	ug/L		09/16/16 06:51	09/20/16 12:49	1
2-Chlorophenol	ND		4.7	0.50	ug/L		09/16/16 06:51	09/20/16 12:49	1
2-Methylphenol	ND		4.7	0.37	ug/L		09/16/16 06:51	09/20/16 12:49	1
2-Methylnaphthalene	ND		4.7	0.56	ug/L		09/16/16 06:51	09/20/16 12:49	1
2-Nitroaniline	ND		9.4	0.39	ug/L		09/16/16 06:51	09/20/16 12:49	1
2-Nitrophenol	ND		4.7	0.45	ug/L		09/16/16 06:51	09/20/16 12:49	1
3,3'-Dichlorobenzidine	ND		4.7	0.37	ug/L		09/16/16 06:51	09/20/16 12:49	1
3-Nitroaniline	ND		9.4	0.45	ug/L		09/16/16 06:51	09/20/16 12:49	1
4,6-Dinitro-2-methylphenol	ND		9.4	2.1	ug/L		09/16/16 06:51	09/20/16 12:49	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: DUP-1 091416

Lab Sample ID: 480-105978-1

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.7	0.42	ug/L		09/16/16 06:51	09/20/16 12:49	1
4-Chloro-3-methylphenol	ND		4.7	0.42	ug/L		09/16/16 06:51	09/20/16 12:49	1
4-Chloroaniline	ND		4.7	0.55	ug/L		09/16/16 06:51	09/20/16 12:49	1
4-Chlorophenyl phenyl ether	ND		4.7	0.33	ug/L		09/16/16 06:51	09/20/16 12:49	1
4-Methylphenol	0.47	J	9.4	0.34	ug/L		09/16/16 06:51	09/20/16 12:49	1
4-Nitroaniline	ND		9.4	0.23	ug/L		09/16/16 06:51	09/20/16 12:49	1
4-Nitrophenol	ND	*	9.4	1.4	ug/L		09/16/16 06:51	09/20/16 12:49	1
Acenaphthene	ND		4.7	0.38	ug/L		09/16/16 06:51	09/20/16 12:49	1
Acenaphthylene	ND		4.7	0.36	ug/L		09/16/16 06:51	09/20/16 12:49	1
Acetophenone	ND		4.7	0.51	ug/L		09/16/16 06:51	09/20/16 12:49	1
Anthracene	ND		4.7	0.26	ug/L		09/16/16 06:51	09/20/16 12:49	1
Atrazine	ND		4.7	0.43	ug/L		09/16/16 06:51	09/20/16 12:49	1
Benzaldehyde	ND	*	4.7	0.25	ug/L		09/16/16 06:51	09/20/16 12:49	1
Benzo(a)anthracene	ND		4.7	0.34	ug/L		09/16/16 06:51	09/20/16 12:49	1
Benzo(a)pyrene	ND		4.7	0.44	ug/L		09/16/16 06:51	09/20/16 12:49	1
Benzo(b)fluoranthene	ND		4.7	0.32	ug/L		09/16/16 06:51	09/20/16 12:49	1
Benzo(g,h,i)perylene	ND		4.7	0.33	ug/L		09/16/16 06:51	09/20/16 12:49	1
Benzo(k)fluoranthene	ND		4.7	0.68	ug/L		09/16/16 06:51	09/20/16 12:49	1
Bis(2-chloroethoxy)methane	ND		4.7	0.33	ug/L		09/16/16 06:51	09/20/16 12:49	1
Bis(2-chloroethyl)ether	ND		4.7	0.37	ug/L		09/16/16 06:51	09/20/16 12:49	1
Bis(2-ethylhexyl) phthalate	ND		4.7	2.1	ug/L		09/16/16 06:51	09/20/16 12:49	1
Butyl benzyl phthalate	ND		4.7	0.94	ug/L		09/16/16 06:51	09/20/16 12:49	1
Caprolactam	ND		4.7	2.1	ug/L		09/16/16 06:51	09/20/16 12:49	1
Carbazole	ND		4.7	0.28	ug/L		09/16/16 06:51	09/20/16 12:49	1
Chrysene	ND		4.7	0.31	ug/L		09/16/16 06:51	09/20/16 12:49	1
Dibenz(a,h)anthracene	ND		4.7	0.39	ug/L		09/16/16 06:51	09/20/16 12:49	1
Di-n-butyl phthalate	ND		4.7	0.29	ug/L		09/16/16 06:51	09/20/16 12:49	1
Di-n-octyl phthalate	ND		4.7	0.44	ug/L		09/16/16 06:51	09/20/16 12:49	1
Dibenzofuran	ND		9.4	0.48	ug/L		09/16/16 06:51	09/20/16 12:49	1
Diethyl phthalate	ND		4.7	0.21	ug/L		09/16/16 06:51	09/20/16 12:49	1
Dimethyl phthalate	ND		4.7	0.34	ug/L		09/16/16 06:51	09/20/16 12:49	1
Fluoranthene	ND		4.7	0.37	ug/L		09/16/16 06:51	09/20/16 12:49	1
Fluorene	ND		4.7	0.34	ug/L		09/16/16 06:51	09/20/16 12:49	1
Hexachlorobenzene	ND		4.7	0.48	ug/L		09/16/16 06:51	09/20/16 12:49	1
Hexachlorobutadiene	ND		4.7	0.64	ug/L		09/16/16 06:51	09/20/16 12:49	1
Hexachlorocyclopentadiene	ND		4.7	0.55	ug/L		09/16/16 06:51	09/20/16 12:49	1
Hexachloroethane	ND		4.7	0.55	ug/L		09/16/16 06:51	09/20/16 12:49	1
Indeno(1,2,3-cd)pyrene	ND		4.7	0.44	ug/L		09/16/16 06:51	09/20/16 12:49	1
Isophorone	ND		4.7	0.40	ug/L		09/16/16 06:51	09/20/16 12:49	1
N-Nitrosodi-n-propylamine	ND		4.7	0.51	ug/L		09/16/16 06:51	09/20/16 12:49	1
N-Nitrosodiphenylamine	ND		4.7	0.48	ug/L		09/16/16 06:51	09/20/16 12:49	1
Naphthalene	ND		4.7	0.71	ug/L		09/16/16 06:51	09/20/16 12:49	1
Nitrobenzene	ND		4.7	0.27	ug/L		09/16/16 06:51	09/20/16 12:49	1
Pentachlorophenol	ND		9.4	2.1	ug/L		09/16/16 06:51	09/20/16 12:49	1
Phenanthrene	ND		4.7	0.41	ug/L		09/16/16 06:51	09/20/16 12:49	1
Phenol	ND		4.7	0.37	ug/L		09/16/16 06:51	09/20/16 12:49	1
Pyrene	ND		4.7	0.32	ug/L		09/16/16 06:51	09/20/16 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	92		46 - 120				09/16/16 06:51	09/20/16 12:49	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: DUP-1 091416

Lab Sample ID: 480-105978-1

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	53		16 - 120	09/16/16 06:51	09/20/16 12:49	1
p-Terphenyl-d14	81		67 - 150	09/16/16 06:51	09/20/16 12:49	1
2,4,6-Tribromophenol	124		52 - 132	09/16/16 06:51	09/20/16 12:49	1
2-Fluorobiphenyl	91		48 - 120	09/16/16 06:51	09/20/16 12:49	1
2-Fluorophenol	66		20 - 120	09/16/16 06:51	09/20/16 12:49	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		09/15/16 15:09	09/16/16 12:34	5
4,4'-DDE	ND		0.23	0.053	ug/L		09/15/16 15:09	09/16/16 12:34	5
4,4'-DDT	ND		0.23	0.050	ug/L		09/15/16 15:09	09/16/16 12:34	5
Aldrin	0.059	J	0.23	0.037	ug/L		09/15/16 15:09	09/16/16 12:34	5
alpha-BHC	ND		0.23	0.035	ug/L		09/15/16 15:09	09/16/16 12:34	5
alpha-Chlordane	ND		0.23	0.068	ug/L		09/15/16 15:09	09/16/16 12:34	5
beta-BHC	ND		0.23	0.11	ug/L		09/15/16 15:09	09/16/16 12:34	5
delta-BHC	ND		0.23	0.046	ug/L		09/15/16 15:09	09/16/16 12:34	5
Dieldrin	ND		0.23	0.045	ug/L		09/15/16 15:09	09/16/16 12:34	5
Endosulfan I	ND		0.23	0.050	ug/L		09/15/16 15:09	09/16/16 12:34	5
Endosulfan II	ND		0.23	0.055	ug/L		09/15/16 15:09	09/16/16 12:34	5
Endosulfan sulfate	ND		0.23	0.072	ug/L		09/15/16 15:09	09/16/16 12:34	5
Endrin	ND		0.23	0.063	ug/L		09/15/16 15:09	09/16/16 12:34	5
Endrin aldehyde	ND		0.23	0.075	ug/L		09/15/16 15:09	09/16/16 12:34	5
Endrin ketone	ND		0.23	0.055	ug/L		09/15/16 15:09	09/16/16 12:34	5
gamma-BHC (Lindane)	ND		0.23	0.037	ug/L		09/15/16 15:09	09/16/16 12:34	5
gamma-Chlordane	0.060	J	0.23	0.050	ug/L		09/15/16 15:09	09/16/16 12:34	5
Heptachlor	ND		0.23	0.039	ug/L		09/15/16 15:09	09/16/16 12:34	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		09/15/16 15:09	09/16/16 12:34	5
Methoxychlor	ND		0.23	0.065	ug/L		09/15/16 15:09	09/16/16 12:34	5
Toxaphene	ND		2.3	0.55	ug/L		09/15/16 15:09	09/16/16 12:34	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	0	X	20 - 120	09/15/16 15:09	09/16/16 12:34	5
Tetrachloro-m-xylene	87		44 - 120	09/15/16 15:09	09/16/16 12:34	5

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-17 091416

Lab Sample ID: 480-105978-2

Date Collected: 09/14/16 09:25

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 00:16	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/20/16 00:16	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/20/16 00:16	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/20/16 00:16	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/20/16 00:16	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/20/16 00:16	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/20/16 00:16	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			09/20/16 00:16	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			09/20/16 00:16	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			09/20/16 00:16	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/20/16 00:16	5
1,2,4-Trimethylbenzene	87		5.0	3.8	ug/L			09/20/16 00:16	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/20/16 00:16	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/20/16 00:16	5
1,2-Dichlorobenzene	11		5.0	4.0	ug/L			09/20/16 00:16	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/20/16 00:16	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/20/16 00:16	5
1,3,5-Trimethylbenzene	37		5.0	3.9	ug/L			09/20/16 00:16	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/20/16 00:16	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			09/20/16 00:16	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/20/16 00:16	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			09/20/16 00:16	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/20/16 00:16	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			09/20/16 00:16	5
2-Hexanone	ND		25	6.2	ug/L			09/20/16 00:16	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			09/20/16 00:16	5
4-Isopropyltoluene	9.7		5.0	1.6	ug/L			09/20/16 00:16	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/20/16 00:16	5
Acetone	ND		50	15	ug/L			09/20/16 00:16	5
Benzene	ND		5.0	2.1	ug/L			09/20/16 00:16	5
Bromobenzene	ND		5.0	4.0	ug/L			09/20/16 00:16	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/20/16 00:16	5
Bromoform	ND		5.0	1.3	ug/L			09/20/16 00:16	5
Bromomethane	ND		5.0	3.5	ug/L			09/20/16 00:16	5
Carbon disulfide	1.3 J		5.0	0.95	ug/L			09/20/16 00:16	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/20/16 00:16	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/20/16 00:16	5
Chlorobromomethane	ND		5.0	4.4	ug/L			09/20/16 00:16	5
Chloroethane	ND		5.0	1.6	ug/L			09/20/16 00:16	5
Chloroform	ND		5.0	1.7	ug/L			09/20/16 00:16	5
Chloromethane	ND		5.0	1.8	ug/L			09/20/16 00:16	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/20/16 00:16	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/20/16 00:16	5
Cyclohexane	ND		5.0	0.90	ug/L			09/20/16 00:16	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/20/16 00:16	5
Dibromomethane	ND		5.0	2.1	ug/L			09/20/16 00:16	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/20/16 00:16	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/20/16 00:16	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			09/20/16 00:16	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-17 091416

Lab Sample ID: 480-105978-2

Date Collected: 09/14/16 09:25

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 00:16	5
Isopropylbenzene	ND		5.0	4.0	ug/L			09/20/16 00:16	5
m,p-Xylene	3.3	J	10	3.3	ug/L			09/20/16 00:16	5
Methyl acetate	ND		13	6.5	ug/L			09/20/16 00:16	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			09/20/16 00:16	5
Methylcyclohexane	ND		5.0	0.80	ug/L			09/20/16 00:16	5
Methylene Chloride	ND		5.0	2.2	ug/L			09/20/16 00:16	5
Naphthalene	11		5.0	2.2	ug/L			09/20/16 00:16	5
n-Butylbenzene	12		5.0	3.2	ug/L			09/20/16 00:16	5
N-Propylbenzene	4.8	J	5.0	3.5	ug/L			09/20/16 00:16	5
o-Xylene	5.6		5.0	3.8	ug/L			09/20/16 00:16	5
sec-Butylbenzene	5.3		5.0	3.8	ug/L			09/20/16 00:16	5
Styrene	ND		5.0	3.7	ug/L			09/20/16 00:16	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			09/20/16 00:16	5
Tetrachloroethene	3.0	J	5.0	1.8	ug/L			09/20/16 00:16	5
Toluene	ND		5.0	2.6	ug/L			09/20/16 00:16	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/20/16 00:16	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/20/16 00:16	5
Trichloroethene	ND		5.0	2.3	ug/L			09/20/16 00:16	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/20/16 00:16	5
Vinyl acetate	ND		25	4.3	ug/L			09/20/16 00:16	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/20/16 00:16	5
Xylenes, Total	8.9	J	10	3.3	ug/L			09/20/16 00:16	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		09/20/16 00:16	5
4-Bromofluorobenzene (Surr)	101		73 - 120		09/20/16 00:16	5
Dibromofluoromethane (Surr)	109		75 - 123		09/20/16 00:16	5
Toluene-d8 (Surr)	99		80 - 120		09/20/16 00:16	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.9	0.64	ug/L		09/16/16 06:51	09/20/16 13:19	1
bis (2-chloroisopropyl) ether	ND		4.9	0.51	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,4,5-Trichlorophenol	ND		4.9	0.47	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,4,6-Trichlorophenol	ND		4.9	0.59	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,4-Dichlorophenol	ND		4.9	0.50	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,4-Dimethylphenol	ND		4.9	0.49	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,4-Dinitrophenol	ND	*	9.7	2.2	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,4-Dinitrotoluene	ND		4.9	0.44	ug/L		09/16/16 06:51	09/20/16 13:19	1
2,6-Dinitrotoluene	ND		4.9	0.39	ug/L		09/16/16 06:51	09/20/16 13:19	1
2-Chloronaphthalene	ND		4.9	0.45	ug/L		09/16/16 06:51	09/20/16 13:19	1
2-Chlorophenol	ND		4.9	0.52	ug/L		09/16/16 06:51	09/20/16 13:19	1
2-Methylphenol	ND		4.9	0.39	ug/L		09/16/16 06:51	09/20/16 13:19	1
2-Methylnaphthalene	ND		4.9	0.58	ug/L		09/16/16 06:51	09/20/16 13:19	1
2-Nitroaniline	ND		9.7	0.41	ug/L		09/16/16 06:51	09/20/16 13:19	1
2-Nitrophenol	ND		4.9	0.47	ug/L		09/16/16 06:51	09/20/16 13:19	1
3,3'-Dichlorobenzidine	ND		4.9	0.39	ug/L		09/16/16 06:51	09/20/16 13:19	1
3-Nitroaniline	ND		9.7	0.47	ug/L		09/16/16 06:51	09/20/16 13:19	1
4,6-Dinitro-2-methylphenol	ND		9.7	2.1	ug/L		09/16/16 06:51	09/20/16 13:19	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-17 091416

Lab Sample ID: 480-105978-2

Date Collected: 09/14/16 09:25

Matrix: Water

Date Received: 09/15/16 01:45

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		09/16/16 06:51	09/20/16 13:19	1
4-Chloro-3-methylphenol	ND		4.9	0.44	ug/L		09/16/16 06:51	09/20/16 13:19	1
4-Chloroaniline	ND		4.9	0.57	ug/L		09/16/16 06:51	09/20/16 13:19	1
4-Chlorophenyl phenyl ether	ND		4.9	0.34	ug/L		09/16/16 06:51	09/20/16 13:19	1
4-Methylphenol	ND		9.7	0.35	ug/L		09/16/16 06:51	09/20/16 13:19	1
4-Nitroaniline	ND		9.7	0.24	ug/L		09/16/16 06:51	09/20/16 13:19	1
4-Nitrophenol	ND	*	9.7	1.5	ug/L		09/16/16 06:51	09/20/16 13:19	1
Acenaphthene	ND		4.9	0.40	ug/L		09/16/16 06:51	09/20/16 13:19	1
Acenaphthylene	ND		4.9	0.37	ug/L		09/16/16 06:51	09/20/16 13:19	1
Acetophenone	ND		4.9	0.53	ug/L		09/16/16 06:51	09/20/16 13:19	1
Anthracene	ND		4.9	0.27	ug/L		09/16/16 06:51	09/20/16 13:19	1
Atrazine	ND		4.9	0.45	ug/L		09/16/16 06:51	09/20/16 13:19	1
Benzaldehyde	ND	*	4.9	0.26	ug/L		09/16/16 06:51	09/20/16 13:19	1
Benzo(a)anthracene	ND		4.9	0.35	ug/L		09/16/16 06:51	09/20/16 13:19	1
Benzo(a)pyrene	ND		4.9	0.46	ug/L		09/16/16 06:51	09/20/16 13:19	1
Benzo(b)fluoranthene	ND		4.9	0.33	ug/L		09/16/16 06:51	09/20/16 13:19	1
Benzo(g,h,i)perylene	ND		4.9	0.34	ug/L		09/16/16 06:51	09/20/16 13:19	1
Benzo(k)fluoranthene	ND		4.9	0.71	ug/L		09/16/16 06:51	09/20/16 13:19	1
Bis(2-chloroethoxy)methane	ND		4.9	0.34	ug/L		09/16/16 06:51	09/20/16 13:19	1
Bis(2-chloroethyl)ether	ND		4.9	0.39	ug/L		09/16/16 06:51	09/20/16 13:19	1
Bis(2-ethylhexyl) phthalate	ND		4.9	2.1	ug/L		09/16/16 06:51	09/20/16 13:19	1
Butyl benzyl phthalate	ND		4.9	0.97	ug/L		09/16/16 06:51	09/20/16 13:19	1
Caprolactam	ND		4.9	2.1	ug/L		09/16/16 06:51	09/20/16 13:19	1
Carbazole	ND		4.9	0.29	ug/L		09/16/16 06:51	09/20/16 13:19	1
Chrysene	ND		4.9	0.32	ug/L		09/16/16 06:51	09/20/16 13:19	1
Dibenz(a,h)anthracene	ND		4.9	0.41	ug/L		09/16/16 06:51	09/20/16 13:19	1
Di-n-butyl phthalate	0.51	J	4.9	0.30	ug/L		09/16/16 06:51	09/20/16 13:19	1
Di-n-octyl phthalate	ND		4.9	0.46	ug/L		09/16/16 06:51	09/20/16 13:19	1
Dibenzofuran	ND		9.7	0.50	ug/L		09/16/16 06:51	09/20/16 13:19	1
Diethyl phthalate	ND		4.9	0.21	ug/L		09/16/16 06:51	09/20/16 13:19	1
Dimethyl phthalate	ND		4.9	0.35	ug/L		09/16/16 06:51	09/20/16 13:19	1
Fluoranthene	ND		4.9	0.39	ug/L		09/16/16 06:51	09/20/16 13:19	1
Fluorene	ND		4.9	0.35	ug/L		09/16/16 06:51	09/20/16 13:19	1
Hexachlorobenzene	ND		4.9	0.50	ug/L		09/16/16 06:51	09/20/16 13:19	1
Hexachlorobutadiene	ND		4.9	0.66	ug/L		09/16/16 06:51	09/20/16 13:19	1
Hexachlorocyclopentadiene	ND		4.9	0.57	ug/L		09/16/16 06:51	09/20/16 13:19	1
Hexachloroethane	ND		4.9	0.57	ug/L		09/16/16 06:51	09/20/16 13:19	1
Indeno(1,2,3-cd)pyrene	ND		4.9	0.46	ug/L		09/16/16 06:51	09/20/16 13:19	1
Isophorone	ND		4.9	0.42	ug/L		09/16/16 06:51	09/20/16 13:19	1
N-Nitrosodi-n-propylamine	ND		4.9	0.53	ug/L		09/16/16 06:51	09/20/16 13:19	1
N-Nitrosodiphenylamine	ND		4.9	0.50	ug/L		09/16/16 06:51	09/20/16 13:19	1
Naphthalene	ND		4.9	0.74	ug/L		09/16/16 06:51	09/20/16 13:19	1
Nitrobenzene	ND		4.9	0.28	ug/L		09/16/16 06:51	09/20/16 13:19	1
Pentachlorophenol	ND		9.7	2.1	ug/L		09/16/16 06:51	09/20/16 13:19	1
Phenanthrene	ND		4.9	0.43	ug/L		09/16/16 06:51	09/20/16 13:19	1
Phenol	ND		4.9	0.38	ug/L		09/16/16 06:51	09/20/16 13:19	1
Pyrene	ND		4.9	0.33	ug/L		09/16/16 06:51	09/20/16 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	92		46 - 120				09/16/16 06:51	09/20/16 13:19	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-17 091416

Lab Sample ID: 480-105978-2

Date Collected: 09/14/16 09:25

Matrix: Water

Date Received: 09/15/16 01:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	53		16 - 120	09/16/16 06:51	09/20/16 13:19	1
p-Terphenyl-d14	85		67 - 150	09/16/16 06:51	09/20/16 13:19	1
2,4,6-Tribromophenol	130		52 - 132	09/16/16 06:51	09/20/16 13:19	1
2-Fluorobiphenyl	87		48 - 120	09/16/16 06:51	09/20/16 13:19	1
2-Fluorophenol	67		20 - 120	09/16/16 06:51	09/20/16 13:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.24	0.044	ug/L		09/15/16 15:09	09/16/16 12:53	5
4,4'-DDE	ND		0.24	0.056	ug/L		09/15/16 15:09	09/16/16 12:53	5
4,4'-DDT	ND		0.24	0.053	ug/L		09/15/16 15:09	09/16/16 12:53	5
Aldrin	0.064	J	0.24	0.039	ug/L		09/15/16 15:09	09/16/16 12:53	5
alpha-BHC	ND		0.24	0.037	ug/L		09/15/16 15:09	09/16/16 12:53	5
alpha-Chlordane	ND		0.24	0.071	ug/L		09/15/16 15:09	09/16/16 12:53	5
beta-BHC	ND		0.24	0.12	ug/L		09/15/16 15:09	09/16/16 12:53	5
delta-BHC	ND		0.24	0.048	ug/L		09/15/16 15:09	09/16/16 12:53	5
Dieldrin	ND		0.24	0.047	ug/L		09/15/16 15:09	09/16/16 12:53	5
Endosulfan I	ND		0.24	0.053	ug/L		09/15/16 15:09	09/16/16 12:53	5
Endosulfan II	ND		0.24	0.058	ug/L		09/15/16 15:09	09/16/16 12:53	5
Endosulfan sulfate	ND		0.24	0.076	ug/L		09/15/16 15:09	09/16/16 12:53	5
Endrin	ND		0.24	0.067	ug/L		09/15/16 15:09	09/16/16 12:53	5
Endrin aldehyde	ND		0.24	0.079	ug/L		09/15/16 15:09	09/16/16 12:53	5
Endrin ketone	ND		0.24	0.058	ug/L		09/15/16 15:09	09/16/16 12:53	5
gamma-BHC (Lindane)	ND		0.24	0.039	ug/L		09/15/16 15:09	09/16/16 12:53	5
gamma-Chlordane	0.055	J	0.24	0.053	ug/L		09/15/16 15:09	09/16/16 12:53	5
Heptachlor	ND		0.24	0.041	ug/L		09/15/16 15:09	09/16/16 12:53	5
Heptachlor epoxide	ND		0.24	0.036	ug/L		09/15/16 15:09	09/16/16 12:53	5
Methoxychlor	ND		0.24	0.068	ug/L		09/15/16 15:09	09/16/16 12:53	5
Toxaphene	ND		2.4	0.58	ug/L		09/15/16 15:09	09/16/16 12:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		20 - 120	09/15/16 15:09	09/16/16 12:53	5
Tetrachloro-m-xylene	127	X	44 - 120	09/15/16 15:09	09/16/16 12:53	5

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-18 091416

Lab Sample ID: 480-105978-3

Date Collected: 09/14/16 10:30

Matrix: Water

Date Received: 09/15/16 01:45

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		4.0	1.4	ug/L			09/20/16 00:40	4
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			09/20/16 00:40	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			09/20/16 00:40	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			09/20/16 00:40	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			09/20/16 00:40	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			09/20/16 00:40	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			09/20/16 00:40	4
1,1-Dichloropropene	ND		4.0	2.9	ug/L			09/20/16 00:40	4
1,2,3-Trichlorobenzene	ND		4.0	1.6	ug/L			09/20/16 00:40	4
1,2,3-Trichloropropane	ND		4.0	3.6	ug/L			09/20/16 00:40	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			09/20/16 00:40	4
1,2,4-Trimethylbenzene	3.3	J	4.0	3.0	ug/L			09/20/16 00:40	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			09/20/16 00:40	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			09/20/16 00:40	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			09/20/16 00:40	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			09/20/16 00:40	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			09/20/16 00:40	4
1,3,5-Trimethylbenzene	ND		4.0	3.1	ug/L			09/20/16 00:40	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			09/20/16 00:40	4
1,3-Dichloropropane	ND		4.0	3.0	ug/L			09/20/16 00:40	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			09/20/16 00:40	4
2,2-Dichloropropane	ND		4.0	1.6	ug/L			09/20/16 00:40	4
2-Butanone (MEK)	ND		40	5.3	ug/L			09/20/16 00:40	4
2-Chlorotoluene	ND		4.0	3.4	ug/L			09/20/16 00:40	4
2-Hexanone	ND		20	5.0	ug/L			09/20/16 00:40	4
4-Chlorotoluene	ND		4.0	3.4	ug/L			09/20/16 00:40	4
4-Isopropyltoluene	ND		4.0	1.2	ug/L			09/20/16 00:40	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			09/20/16 00:40	4
Acetone	16	J	40	12	ug/L			09/20/16 00:40	4
Benzene	ND		4.0	1.6	ug/L			09/20/16 00:40	4
Bromobenzene	ND		4.0	3.2	ug/L			09/20/16 00:40	4
Bromodichloromethane	ND		4.0	1.6	ug/L			09/20/16 00:40	4
Bromoform	ND		4.0	1.0	ug/L			09/20/16 00:40	4
Bromomethane	ND		4.0	2.8	ug/L			09/20/16 00:40	4
Carbon disulfide	ND		4.0	0.76	ug/L			09/20/16 00:40	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			09/20/16 00:40	4
Chlorobenzene	ND		4.0	3.0	ug/L			09/20/16 00:40	4
Chlorobromomethane	ND		4.0	3.5	ug/L			09/20/16 00:40	4
Chloroethane	ND		4.0	1.3	ug/L			09/20/16 00:40	4
Chloroform	ND		4.0	1.4	ug/L			09/20/16 00:40	4
Chloromethane	ND		4.0	1.4	ug/L			09/20/16 00:40	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			09/20/16 00:40	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			09/20/16 00:40	4
Cyclohexane	ND		4.0	0.72	ug/L			09/20/16 00:40	4
Dibromochloromethane	ND		4.0	1.3	ug/L			09/20/16 00:40	4
Dibromomethane	ND		4.0	1.6	ug/L			09/20/16 00:40	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			09/20/16 00:40	4
Ethylbenzene	ND		4.0	3.0	ug/L			09/20/16 00:40	4
Hexachlorobutadiene	ND		4.0	1.1	ug/L			09/20/16 00:40	4

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-18 091416

Lab Sample ID: 480-105978-3

Date Collected: 09/14/16 10:30

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iodomethane	ND		4.0	1.2	ug/L			09/20/16 00:40	4
Isopropylbenzene	ND		4.0	3.2	ug/L			09/20/16 00:40	4
m,p-Xylene	2.6	J	8.0	2.6	ug/L			09/20/16 00:40	4
Methyl acetate	ND		10	5.2	ug/L			09/20/16 00:40	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			09/20/16 00:40	4
Methylcyclohexane	ND		4.0	0.64	ug/L			09/20/16 00:40	4
Methylene Chloride	ND		4.0	1.8	ug/L			09/20/16 00:40	4
Naphthalene	ND		4.0	1.7	ug/L			09/20/16 00:40	4
n-Butylbenzene	ND		4.0	2.6	ug/L			09/20/16 00:40	4
N-Propylbenzene	ND		4.0	2.8	ug/L			09/20/16 00:40	4
o-Xylene	8.5		4.0	3.0	ug/L			09/20/16 00:40	4
sec-Butylbenzene	ND		4.0	3.0	ug/L			09/20/16 00:40	4
Styrene	ND		4.0	2.9	ug/L			09/20/16 00:40	4
tert-Butylbenzene	ND		4.0	3.2	ug/L			09/20/16 00:40	4
Tetrachloroethene	11		4.0	1.4	ug/L			09/20/16 00:40	4
Toluene	ND		4.0	2.0	ug/L			09/20/16 00:40	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			09/20/16 00:40	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			09/20/16 00:40	4
Trichloroethene	ND		4.0	1.8	ug/L			09/20/16 00:40	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			09/20/16 00:40	4
Vinyl acetate	ND		20	3.4	ug/L			09/20/16 00:40	4
Vinyl chloride	ND		4.0	3.6	ug/L			09/20/16 00:40	4
Xylenes, Total	11		8.0	2.6	ug/L			09/20/16 00:40	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		09/20/16 00:40	4
4-Bromofluorobenzene (Surr)	100		73 - 120		09/20/16 00:40	4
Dibromofluoromethane (Surr)	109		75 - 123		09/20/16 00:40	4
Toluene-d8 (Surr)	99		80 - 120		09/20/16 00:40	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.6	0.61	ug/L		09/16/16 06:51	09/20/16 13:48	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,4,5-Trichlorophenol	ND		4.6	0.45	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,4,6-Trichlorophenol	ND		4.6	0.57	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,4-Dimethylphenol	ND		4.6	0.46	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,4-Dinitrophenol	ND	*	9.3	2.1	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		09/16/16 06:51	09/20/16 13:48	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 13:48	1
2-Chloronaphthalene	ND		4.6	0.43	ug/L		09/16/16 06:51	09/20/16 13:48	1
2-Chlorophenol	ND		4.6	0.49	ug/L		09/16/16 06:51	09/20/16 13:48	1
2-Methylphenol	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 13:48	1
2-Methylnaphthalene	ND		4.6	0.56	ug/L		09/16/16 06:51	09/20/16 13:48	1
2-Nitroaniline	ND		9.3	0.39	ug/L		09/16/16 06:51	09/20/16 13:48	1
2-Nitrophenol	ND		4.6	0.45	ug/L		09/16/16 06:51	09/20/16 13:48	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 13:48	1
3-Nitroaniline	ND		9.3	0.45	ug/L		09/16/16 06:51	09/20/16 13:48	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		09/16/16 06:51	09/20/16 13:48	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-18 091416

Lab Sample ID: 480-105978-3

Date Collected: 09/14/16 10:30

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		4.6	0.42	ug/L		09/16/16 06:51	09/20/16 13:48	1
4-Chloro-3-methylphenol	ND		4.6	0.42	ug/L		09/16/16 06:51	09/20/16 13:48	1
4-Chloroaniline	ND		4.6	0.55	ug/L		09/16/16 06:51	09/20/16 13:48	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 13:48	1
4-Methylphenol	ND		9.3	0.33	ug/L		09/16/16 06:51	09/20/16 13:48	1
4-Nitroaniline	ND		9.3	0.23	ug/L		09/16/16 06:51	09/20/16 13:48	1
4-Nitrophenol	ND	*	9.3	1.4	ug/L		09/16/16 06:51	09/20/16 13:48	1
Acenaphthene	ND		4.6	0.38	ug/L		09/16/16 06:51	09/20/16 13:48	1
Acenaphthylene	ND		4.6	0.35	ug/L		09/16/16 06:51	09/20/16 13:48	1
Acetophenone	ND		4.6	0.50	ug/L		09/16/16 06:51	09/20/16 13:48	1
Anthracene	ND		4.6	0.26	ug/L		09/16/16 06:51	09/20/16 13:48	1
Atrazine	ND		4.6	0.43	ug/L		09/16/16 06:51	09/20/16 13:48	1
Benzaldehyde	ND	*	4.6	0.25	ug/L		09/16/16 06:51	09/20/16 13:48	1
Benzo(a)anthracene	ND		4.6	0.33	ug/L		09/16/16 06:51	09/20/16 13:48	1
Benzo(a)pyrene	ND		4.6	0.44	ug/L		09/16/16 06:51	09/20/16 13:48	1
Benzo(b)fluoranthene	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 13:48	1
Benzo(g,h,i)perylene	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 13:48	1
Benzo(k)fluoranthene	ND		4.6	0.68	ug/L		09/16/16 06:51	09/20/16 13:48	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 13:48	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 13:48	1
Bis(2-ethylhexyl) phthalate	ND		4.6	2.0	ug/L		09/16/16 06:51	09/20/16 13:48	1
Butyl benzyl phthalate	ND		4.6	0.93	ug/L		09/16/16 06:51	09/20/16 13:48	1
Caprolactam	ND		4.6	2.0	ug/L		09/16/16 06:51	09/20/16 13:48	1
Carbazole	ND		4.6	0.28	ug/L		09/16/16 06:51	09/20/16 13:48	1
Chrysene	ND		4.6	0.31	ug/L		09/16/16 06:51	09/20/16 13:48	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		09/16/16 06:51	09/20/16 13:48	1
Di-n-butyl phthalate	ND		4.6	0.29	ug/L		09/16/16 06:51	09/20/16 13:48	1
Di-n-octyl phthalate	ND		4.6	0.44	ug/L		09/16/16 06:51	09/20/16 13:48	1
Dibenzofuran	ND		9.3	0.47	ug/L		09/16/16 06:51	09/20/16 13:48	1
Diethyl phthalate	ND		4.6	0.20	ug/L		09/16/16 06:51	09/20/16 13:48	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		09/16/16 06:51	09/20/16 13:48	1
Fluoranthene	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 13:48	1
Fluorene	ND		4.6	0.33	ug/L		09/16/16 06:51	09/20/16 13:48	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		09/16/16 06:51	09/20/16 13:48	1
Hexachlorobutadiene	ND		4.6	0.63	ug/L		09/16/16 06:51	09/20/16 13:48	1
Hexachlorocyclopentadiene	ND		4.6	0.55	ug/L		09/16/16 06:51	09/20/16 13:48	1
Hexachloroethane	ND		4.6	0.55	ug/L		09/16/16 06:51	09/20/16 13:48	1
Indeno(1,2,3-cd)pyrene	ND		4.6	0.44	ug/L		09/16/16 06:51	09/20/16 13:48	1
Isophorone	ND		4.6	0.40	ug/L		09/16/16 06:51	09/20/16 13:48	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		09/16/16 06:51	09/20/16 13:48	1
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		09/16/16 06:51	09/20/16 13:48	1
Naphthalene	1.9	J	4.6	0.71	ug/L		09/16/16 06:51	09/20/16 13:48	1
Nitrobenzene	ND		4.6	0.27	ug/L		09/16/16 06:51	09/20/16 13:48	1
Pentachlorophenol	ND		9.3	2.0	ug/L		09/16/16 06:51	09/20/16 13:48	1
Phenanthrene	ND		4.6	0.41	ug/L		09/16/16 06:51	09/20/16 13:48	1
Phenol	ND		4.6	0.36	ug/L		09/16/16 06:51	09/20/16 13:48	1
Pyrene	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		46 - 120	09/16/16 06:51	09/20/16 13:48	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-18 091416

Lab Sample ID: 480-105978-3

Date Collected: 09/14/16 10:30

Matrix: Water

Date Received: 09/15/16 01:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	44		16 - 120	09/16/16 06:51	09/20/16 13:48	1
p-Terphenyl-d14	89		67 - 150	09/16/16 06:51	09/20/16 13:48	1
2,4,6-Tribromophenol	120		52 - 132	09/16/16 06:51	09/20/16 13:48	1
2-Fluorobiphenyl	76		48 - 120	09/16/16 06:51	09/20/16 13:48	1
2-Fluorophenol	57		20 - 120	09/16/16 06:51	09/20/16 13:48	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.24	0.043	ug/L		09/15/16 15:09	09/16/16 13:13	5
4,4'-DDE	ND		0.24	0.055	ug/L		09/15/16 15:09	09/16/16 13:13	5
4,4'-DDT	ND		0.24	0.052	ug/L		09/15/16 15:09	09/16/16 13:13	5
Aldrin	ND		0.24	0.038	ug/L		09/15/16 15:09	09/16/16 13:13	5
alpha-BHC	0.058	J B	0.24	0.036	ug/L		09/15/16 15:09	09/16/16 13:13	5
alpha-Chlordane	ND		0.24	0.070	ug/L		09/15/16 15:09	09/16/16 13:13	5
beta-BHC	ND		0.24	0.12	ug/L		09/15/16 15:09	09/16/16 13:13	5
delta-BHC	ND		0.24	0.047	ug/L		09/15/16 15:09	09/16/16 13:13	5
Dieldrin	ND		0.24	0.046	ug/L		09/15/16 15:09	09/16/16 13:13	5
Endosulfan I	ND		0.24	0.052	ug/L		09/15/16 15:09	09/16/16 13:13	5
Endosulfan II	ND		0.24	0.057	ug/L		09/15/16 15:09	09/16/16 13:13	5
Endosulfan sulfate	ND		0.24	0.074	ug/L		09/15/16 15:09	09/16/16 13:13	5
Endrin	ND		0.24	0.065	ug/L		09/15/16 15:09	09/16/16 13:13	5
Endrin aldehyde	ND		0.24	0.077	ug/L		09/15/16 15:09	09/16/16 13:13	5
Endrin ketone	ND		0.24	0.057	ug/L		09/15/16 15:09	09/16/16 13:13	5
gamma-BHC (Lindane)	ND		0.24	0.038	ug/L		09/15/16 15:09	09/16/16 13:13	5
gamma-Chlordane	ND		0.24	0.052	ug/L		09/15/16 15:09	09/16/16 13:13	5
Heptachlor	ND		0.24	0.040	ug/L		09/15/16 15:09	09/16/16 13:13	5
Heptachlor epoxide	ND		0.24	0.035	ug/L		09/15/16 15:09	09/16/16 13:13	5
Methoxychlor	0.16	J	0.24	0.066	ug/L		09/15/16 15:09	09/16/16 13:13	5
Toxaphene	ND		2.4	0.57	ug/L		09/15/16 15:09	09/16/16 13:13	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	62		20 - 120	09/15/16 15:09	09/16/16 13:13	5
Tetrachloro-m-xylene	76		44 - 120	09/15/16 15:09	09/16/16 13:13	5

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-22 091416

Lab Sample ID: 480-105978-4

Date Collected: 09/14/16 11:05

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 14:52	5
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			09/20/16 14:52	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			09/20/16 14:52	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			09/20/16 14:52	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			09/20/16 14:52	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			09/20/16 14:52	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			09/20/16 14:52	5
1,1-Dichloropropene	ND		5.0	3.6	ug/L			09/20/16 14:52	5
1,2,3-Trichlorobenzene	ND		5.0	2.1	ug/L			09/20/16 14:52	5
1,2,3-Trichloropropane	ND		5.0	4.5	ug/L			09/20/16 14:52	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			09/20/16 14:52	5
1,2,4-Trimethylbenzene	ND		5.0	3.8	ug/L			09/20/16 14:52	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			09/20/16 14:52	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			09/20/16 14:52	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			09/20/16 14:52	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			09/20/16 14:52	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			09/20/16 14:52	5
1,3,5-Trimethylbenzene	ND		5.0	3.9	ug/L			09/20/16 14:52	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			09/20/16 14:52	5
1,3-Dichloropropane	ND		5.0	3.8	ug/L			09/20/16 14:52	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			09/20/16 14:52	5
2,2-Dichloropropane	ND		5.0	2.0	ug/L			09/20/16 14:52	5
2-Butanone (MEK)	ND		50	6.6	ug/L			09/20/16 14:52	5
2-Chlorotoluene	ND		5.0	4.3	ug/L			09/20/16 14:52	5
2-Hexanone	ND		25	6.2	ug/L			09/20/16 14:52	5
4-Chlorotoluene	ND		5.0	4.2	ug/L			09/20/16 14:52	5
4-Isopropyltoluene	1.7	J	5.0	1.6	ug/L			09/20/16 14:52	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			09/20/16 14:52	5
Acetone	ND		50	15	ug/L			09/20/16 14:52	5
Benzene	ND		5.0	2.1	ug/L			09/20/16 14:52	5
Bromobenzene	ND		5.0	4.0	ug/L			09/20/16 14:52	5
Bromodichloromethane	ND		5.0	2.0	ug/L			09/20/16 14:52	5
Bromoform	ND		5.0	1.3	ug/L			09/20/16 14:52	5
Bromomethane	ND		5.0	3.5	ug/L			09/20/16 14:52	5
Carbon disulfide	ND		5.0	0.95	ug/L			09/20/16 14:52	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			09/20/16 14:52	5
Chlorobenzene	ND		5.0	3.8	ug/L			09/20/16 14:52	5
Chlorobromomethane	ND		5.0	4.4	ug/L			09/20/16 14:52	5
Chloroethane	ND		5.0	1.6	ug/L			09/20/16 14:52	5
Chloroform	ND		5.0	1.7	ug/L			09/20/16 14:52	5
Chloromethane	ND		5.0	1.8	ug/L			09/20/16 14:52	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			09/20/16 14:52	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			09/20/16 14:52	5
Cyclohexane	ND		5.0	0.90	ug/L			09/20/16 14:52	5
Dibromochloromethane	ND		5.0	1.6	ug/L			09/20/16 14:52	5
Dibromomethane	ND		5.0	2.1	ug/L			09/20/16 14:52	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			09/20/16 14:52	5
Ethylbenzene	ND		5.0	3.7	ug/L			09/20/16 14:52	5
Hexachlorobutadiene	ND		5.0	1.4	ug/L			09/20/16 14:52	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-22 091416

Lab Sample ID: 480-105978-4

Date Collected: 09/14/16 11:05

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 14:52	5
Isopropylbenzene	ND		5.0	4.0	ug/L			09/20/16 14:52	5
m,p-Xylene	ND		10	3.3	ug/L			09/20/16 14:52	5
Methyl acetate	ND		13	6.5	ug/L			09/20/16 14:52	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			09/20/16 14:52	5
Methylcyclohexane	ND		5.0	0.80	ug/L			09/20/16 14:52	5
Methylene Chloride	3.6	J	5.0	2.2	ug/L			09/20/16 14:52	5
Naphthalene	ND		5.0	2.2	ug/L			09/20/16 14:52	5
n-Butylbenzene	ND		5.0	3.2	ug/L			09/20/16 14:52	5
N-Propylbenzene	ND		5.0	3.5	ug/L			09/20/16 14:52	5
o-Xylene	ND		5.0	3.8	ug/L			09/20/16 14:52	5
sec-Butylbenzene	ND		5.0	3.8	ug/L			09/20/16 14:52	5
Styrene	ND		5.0	3.7	ug/L			09/20/16 14:52	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			09/20/16 14:52	5
Tetrachloroethene	2.4	J	5.0	1.8	ug/L			09/20/16 14:52	5
Toluene	ND		5.0	2.6	ug/L			09/20/16 14:52	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			09/20/16 14:52	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			09/20/16 14:52	5
Trichloroethene	ND		5.0	2.3	ug/L			09/20/16 14:52	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			09/20/16 14:52	5
Vinyl acetate	ND		25	4.3	ug/L			09/20/16 14:52	5
Vinyl chloride	ND		5.0	4.5	ug/L			09/20/16 14:52	5
Xylenes, Total	ND		10	3.3	ug/L			09/20/16 14:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		09/20/16 14:52	5
4-Bromofluorobenzene (Surr)	101		73 - 120		09/20/16 14:52	5
Dibromofluoromethane (Surr)	94		75 - 123		09/20/16 14:52	5
Toluene-d8 (Surr)	94		80 - 120		09/20/16 14:52	5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.8	0.63	ug/L		09/16/16 06:51	09/20/16 14:16	1
bis (2-chloroisopropyl) ether	ND		4.8	0.50	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,4,5-Trichlorophenol	ND		4.8	0.46	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,4,6-Trichlorophenol	ND		4.8	0.58	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,4-Dichlorophenol	ND		4.8	0.49	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,4-Dimethylphenol	ND		4.8	0.48	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,4-Dinitrophenol	ND	*	9.6	2.1	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,4-Dinitrotoluene	ND		4.8	0.43	ug/L		09/16/16 06:51	09/20/16 14:16	1
2,6-Dinitrotoluene	ND		4.8	0.38	ug/L		09/16/16 06:51	09/20/16 14:16	1
2-Chloronaphthalene	ND		4.8	0.44	ug/L		09/16/16 06:51	09/20/16 14:16	1
2-Chlorophenol	ND		4.8	0.51	ug/L		09/16/16 06:51	09/20/16 14:16	1
2-Methylphenol	ND		4.8	0.38	ug/L		09/16/16 06:51	09/20/16 14:16	1
2-Methylnaphthalene	ND		4.8	0.57	ug/L		09/16/16 06:51	09/20/16 14:16	1
2-Nitroaniline	ND		9.6	0.40	ug/L		09/16/16 06:51	09/20/16 14:16	1
2-Nitrophenol	ND		4.8	0.46	ug/L		09/16/16 06:51	09/20/16 14:16	1
3,3'-Dichlorobenzidine	ND		4.8	0.38	ug/L		09/16/16 06:51	09/20/16 14:16	1
3-Nitroaniline	ND		9.6	0.46	ug/L		09/16/16 06:51	09/20/16 14:16	1
4,6-Dinitro-2-methylphenol	ND		9.6	2.1	ug/L		09/16/16 06:51	09/20/16 14:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-22 091416

Lab Sample ID: 480-105978-4

Date Collected: 09/14/16 11:05

Matrix: Water

Date Received: 09/15/16 01:45

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		09/16/16 06:51	09/20/16 14:16	1
4-Chloro-3-methylphenol	ND		4.8	0.43	ug/L		09/16/16 06:51	09/20/16 14:16	1
4-Chloroaniline	ND		4.8	0.57	ug/L		09/16/16 06:51	09/20/16 14:16	1
4-Chlorophenyl phenyl ether	ND		4.8	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
4-Methylphenol	ND		9.6	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
4-Nitroaniline	ND		9.6	0.24	ug/L		09/16/16 06:51	09/20/16 14:16	1
4-Nitrophenol	ND	*	9.6	1.5	ug/L		09/16/16 06:51	09/20/16 14:16	1
Acenaphthene	ND		4.8	0.39	ug/L		09/16/16 06:51	09/20/16 14:16	1
Acenaphthylene	ND		4.8	0.36	ug/L		09/16/16 06:51	09/20/16 14:16	1
Acetophenone	ND		4.8	0.52	ug/L		09/16/16 06:51	09/20/16 14:16	1
Anthracene	ND		4.8	0.27	ug/L		09/16/16 06:51	09/20/16 14:16	1
Atrazine	ND		4.8	0.44	ug/L		09/16/16 06:51	09/20/16 14:16	1
Benzaldehyde	ND	*	4.8	0.26	ug/L		09/16/16 06:51	09/20/16 14:16	1
Benzo(a)anthracene	ND		4.8	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
Benzo(a)pyrene	ND		4.8	0.45	ug/L		09/16/16 06:51	09/20/16 14:16	1
Benzo(b)fluoranthene	ND		4.8	0.33	ug/L		09/16/16 06:51	09/20/16 14:16	1
Benzo(g,h,i)perylene	ND		4.8	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
Benzo(k)fluoranthene	ND		4.8	0.70	ug/L		09/16/16 06:51	09/20/16 14:16	1
Bis(2-chloroethoxy)methane	ND		4.8	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
Bis(2-chloroethyl)ether	ND		4.8	0.38	ug/L		09/16/16 06:51	09/20/16 14:16	1
Bis(2-ethylhexyl) phthalate	ND		4.8	2.1	ug/L		09/16/16 06:51	09/20/16 14:16	1
Butyl benzyl phthalate	ND		4.8	0.96	ug/L		09/16/16 06:51	09/20/16 14:16	1
Caprolactam	ND		4.8	2.1	ug/L		09/16/16 06:51	09/20/16 14:16	1
Carbazole	ND		4.8	0.29	ug/L		09/16/16 06:51	09/20/16 14:16	1
Chrysene	ND		4.8	0.32	ug/L		09/16/16 06:51	09/20/16 14:16	1
Dibenz(a,h)anthracene	ND		4.8	0.40	ug/L		09/16/16 06:51	09/20/16 14:16	1
Di-n-butyl phthalate	ND		4.8	0.30	ug/L		09/16/16 06:51	09/20/16 14:16	1
Di-n-octyl phthalate	ND		4.8	0.45	ug/L		09/16/16 06:51	09/20/16 14:16	1
Dibenzofuran	ND		9.6	0.49	ug/L		09/16/16 06:51	09/20/16 14:16	1
Diethyl phthalate	ND		4.8	0.21	ug/L		09/16/16 06:51	09/20/16 14:16	1
Dimethyl phthalate	ND		4.8	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
Fluoranthene	ND		4.8	0.38	ug/L		09/16/16 06:51	09/20/16 14:16	1
Fluorene	ND		4.8	0.34	ug/L		09/16/16 06:51	09/20/16 14:16	1
Hexachlorobenzene	ND		4.8	0.49	ug/L		09/16/16 06:51	09/20/16 14:16	1
Hexachlorobutadiene	ND		4.8	0.65	ug/L		09/16/16 06:51	09/20/16 14:16	1
Hexachlorocyclopentadiene	ND		4.8	0.57	ug/L		09/16/16 06:51	09/20/16 14:16	1
Hexachloroethane	ND		4.8	0.57	ug/L		09/16/16 06:51	09/20/16 14:16	1
Indeno(1,2,3-cd)pyrene	ND		4.8	0.45	ug/L		09/16/16 06:51	09/20/16 14:16	1
Isophorone	ND		4.8	0.41	ug/L		09/16/16 06:51	09/20/16 14:16	1
N-Nitrosodi-n-propylamine	ND		4.8	0.52	ug/L		09/16/16 06:51	09/20/16 14:16	1
N-Nitrosodiphenylamine	ND		4.8	0.49	ug/L		09/16/16 06:51	09/20/16 14:16	1
Naphthalene	ND		4.8	0.73	ug/L		09/16/16 06:51	09/20/16 14:16	1
Nitrobenzene	ND		4.8	0.28	ug/L		09/16/16 06:51	09/20/16 14:16	1
Pentachlorophenol	ND		9.6	2.1	ug/L		09/16/16 06:51	09/20/16 14:16	1
Phenanthrene	ND		4.8	0.42	ug/L		09/16/16 06:51	09/20/16 14:16	1
Phenol	ND		4.8	0.37	ug/L		09/16/16 06:51	09/20/16 14:16	1
Pyrene	ND		4.8	0.33	ug/L		09/16/16 06:51	09/20/16 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	82		46 - 120	09/16/16 06:51	09/20/16 14:16	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-22 091416

Lab Sample ID: 480-105978-4

Date Collected: 09/14/16 11:05

Matrix: Water

Date Received: 09/15/16 01:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	50		16 - 120	09/16/16 06:51	09/20/16 14:16	1
p-Terphenyl-d14	93		67 - 150	09/16/16 06:51	09/20/16 14:16	1
2,4,6-Tribromophenol	117		52 - 132	09/16/16 06:51	09/20/16 14:16	1
2-Fluorobiphenyl	82		48 - 120	09/16/16 06:51	09/20/16 14:16	1
2-Fluorophenol	64		20 - 120	09/16/16 06:51	09/20/16 14:16	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.093	0.017	ug/L		09/15/16 15:09	09/16/16 13:32	2
4,4'-DDE	ND		0.093	0.022	ug/L		09/15/16 15:09	09/16/16 13:32	2
4,4'-DDT	ND		0.093	0.021	ug/L		09/15/16 15:09	09/16/16 13:32	2
Aldrin	0.069	J	0.093	0.015	ug/L		09/15/16 15:09	09/16/16 13:32	2
alpha-BHC	0.019	J B	0.093	0.014	ug/L		09/15/16 15:09	09/16/16 13:32	2
alpha-Chlordane	0.60		0.093	0.028	ug/L		09/15/16 15:09	09/16/16 13:32	2
beta-BHC	ND		0.093	0.046	ug/L		09/15/16 15:09	09/16/16 13:32	2
delta-BHC	ND		0.093	0.019	ug/L		09/15/16 15:09	09/16/16 13:32	2
Dieldrin	0.064	J	0.093	0.018	ug/L		09/15/16 15:09	09/16/16 13:32	2
Endosulfan I	ND		0.093	0.021	ug/L		09/15/16 15:09	09/16/16 13:32	2
Endosulfan II	ND		0.093	0.022	ug/L		09/15/16 15:09	09/16/16 13:32	2
Endosulfan sulfate	ND		0.093	0.029	ug/L		09/15/16 15:09	09/16/16 13:32	2
Endrin	ND		0.093	0.026	ug/L		09/15/16 15:09	09/16/16 13:32	2
Endrin aldehyde	ND		0.093	0.030	ug/L		09/15/16 15:09	09/16/16 13:32	2
Endrin ketone	ND		0.093	0.022	ug/L		09/15/16 15:09	09/16/16 13:32	2
gamma-BHC (Lindane)	ND		0.093	0.015	ug/L		09/15/16 15:09	09/16/16 13:32	2
gamma-Chlordane	0.23		0.093	0.021	ug/L		09/15/16 15:09	09/16/16 13:32	2
Heptachlor	ND		0.093	0.016	ug/L		09/15/16 15:09	09/16/16 13:32	2
Heptachlor epoxide	0.082	J	0.093	0.014	ug/L		09/15/16 15:09	09/16/16 13:32	2
Methoxychlor	ND		0.093	0.026	ug/L		09/15/16 15:09	09/16/16 13:32	2
Toxaphene	ND		0.93	0.22	ug/L		09/15/16 15:09	09/16/16 13:32	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	67		20 - 120	09/15/16 15:09	09/16/16 13:32	2
Tetrachloro-m-xylene	91		44 - 120	09/15/16 15:09	09/16/16 13:32	2

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: ASW 091416

Lab Sample ID: 480-105978-5

Date Collected: 09/14/16 11:30

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 15:17	20
1,1,1-Trichloroethane	ND		20	16	ug/L			09/20/16 15:17	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			09/20/16 15:17	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			09/20/16 15:17	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			09/20/16 15:17	20
1,1-Dichloroethane	ND		20	7.6	ug/L			09/20/16 15:17	20
1,1-Dichloroethene	ND		20	5.8	ug/L			09/20/16 15:17	20
1,1-Dichloropropene	ND		20	14	ug/L			09/20/16 15:17	20
1,2,3-Trichlorobenzene	ND		20	8.2	ug/L			09/20/16 15:17	20
1,2,3-Trichloropropane	ND		20	18	ug/L			09/20/16 15:17	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			09/20/16 15:17	20
1,2,4-Trimethylbenzene	840		20	15	ug/L			09/20/16 15:17	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			09/20/16 15:17	20
1,2-Dibromoethane	ND		20	15	ug/L			09/20/16 15:17	20
1,2-Dichlorobenzene	27		20	16	ug/L			09/20/16 15:17	20
1,2-Dichloroethane	ND		20	4.2	ug/L			09/20/16 15:17	20
1,2-Dichloropropane	ND		20	14	ug/L			09/20/16 15:17	20
1,3,5-Trimethylbenzene	320		20	15	ug/L			09/20/16 15:17	20
1,3-Dichlorobenzene	ND		20	16	ug/L			09/20/16 15:17	20
1,3-Dichloropropane	ND		20	15	ug/L			09/20/16 15:17	20
1,4-Dichlorobenzene	ND		20	17	ug/L			09/20/16 15:17	20
2,2-Dichloropropane	ND		20	8.0	ug/L			09/20/16 15:17	20
2-Butanone (MEK)	ND		200	26	ug/L			09/20/16 15:17	20
2-Chlorotoluene	ND		20	17	ug/L			09/20/16 15:17	20
2-Hexanone	ND		100	25	ug/L			09/20/16 15:17	20
4-Chlorotoluene	ND		20	17	ug/L			09/20/16 15:17	20
4-Isopropyltoluene	41		20	6.2	ug/L			09/20/16 15:17	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			09/20/16 15:17	20
Acetone	160	J	200	60	ug/L			09/20/16 15:17	20
Benzene	ND		20	8.2	ug/L			09/20/16 15:17	20
Bromobenzene	ND		20	16	ug/L			09/20/16 15:17	20
Bromodichloromethane	ND		20	7.8	ug/L			09/20/16 15:17	20
Bromoform	ND		20	5.2	ug/L			09/20/16 15:17	20
Bromomethane	ND		20	14	ug/L			09/20/16 15:17	20
Carbon disulfide	4.8	J	20	3.8	ug/L			09/20/16 15:17	20
Carbon tetrachloride	ND		20	5.4	ug/L			09/20/16 15:17	20
Chlorobenzene	ND		20	15	ug/L			09/20/16 15:17	20
Chlorobromomethane	ND		20	17	ug/L			09/20/16 15:17	20
Chloroethane	ND		20	6.4	ug/L			09/20/16 15:17	20
Chloroform	ND		20	6.8	ug/L			09/20/16 15:17	20
Chloromethane	ND		20	7.0	ug/L			09/20/16 15:17	20
cis-1,2-Dichloroethene	ND		20	16	ug/L			09/20/16 15:17	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			09/20/16 15:17	20
Cyclohexane	ND		20	3.6	ug/L			09/20/16 15:17	20
Dibromochloromethane	ND		20	6.4	ug/L			09/20/16 15:17	20
Dibromomethane	ND		20	8.2	ug/L			09/20/16 15:17	20
Dichlorodifluoromethane	ND		20	14	ug/L			09/20/16 15:17	20
Ethylbenzene	94		20	15	ug/L			09/20/16 15:17	20
Hexachlorobutadiene	ND		20	5.6	ug/L			09/20/16 15:17	20

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: ASW 091416

Lab Sample ID: 480-105978-5

Date Collected: 09/14/16 11:30

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 15:17	20
Isopropylbenzene	37		20	16	ug/L			09/20/16 15:17	20
m,p-Xylene	610		40	13	ug/L			09/20/16 15:17	20
Methyl acetate	ND		50	26	ug/L			09/20/16 15:17	20
Methyl tert-butyl ether	ND		20	3.2	ug/L			09/20/16 15:17	20
Methylcyclohexane	21		20	3.2	ug/L			09/20/16 15:17	20
Methylene Chloride	21		20	8.8	ug/L			09/20/16 15:17	20
Naphthalene	91		20	8.6	ug/L			09/20/16 15:17	20
n-Butylbenzene	58		20	13	ug/L			09/20/16 15:17	20
N-Propylbenzene	69		20	14	ug/L			09/20/16 15:17	20
o-Xylene	330		20	15	ug/L			09/20/16 15:17	20
sec-Butylbenzene	36		20	15	ug/L			09/20/16 15:17	20
Styrene	ND		20	15	ug/L			09/20/16 15:17	20
tert-Butylbenzene	ND		20	16	ug/L			09/20/16 15:17	20
Tetrachloroethene	25		20	7.2	ug/L			09/20/16 15:17	20
Toluene	ND		20	10	ug/L			09/20/16 15:17	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			09/20/16 15:17	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			09/20/16 15:17	20
Trichloroethene	ND		20	9.2	ug/L			09/20/16 15:17	20
Trichlorofluoromethane	ND		20	18	ug/L			09/20/16 15:17	20
Vinyl acetate	ND		100	17	ug/L			09/20/16 15:17	20
Vinyl chloride	ND		20	18	ug/L			09/20/16 15:17	20
Xylenes, Total	940		40	13	ug/L			09/20/16 15:17	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		09/20/16 15:17	20
4-Bromofluorobenzene (Surr)	103		73 - 120		09/20/16 15:17	20
Dibromofluoromethane (Surr)	94		75 - 123		09/20/16 15:17	20
Toluene-d8 (Surr)	92		80 - 120		09/20/16 15:17	20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		24	3.1	ug/L		09/16/16 06:51	09/20/16 14:45	5
bis (2-chloroisopropyl) ether	ND		24	2.5	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,4,5-Trichlorophenol	ND		24	2.3	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,4,6-Trichlorophenol	ND		24	2.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,4-Dichlorophenol	ND		24	2.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,4-Dimethylphenol	ND		24	2.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,4-Dinitrophenol	ND *		47	11	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,4-Dinitrotoluene	ND		24	2.1	ug/L		09/16/16 06:51	09/20/16 14:45	5
2,6-Dinitrotoluene	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
2-Chloronaphthalene	ND		24	2.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
2-Chlorophenol	ND		24	2.5	ug/L		09/16/16 06:51	09/20/16 14:45	5
2-Methylphenol	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
2-Methylnaphthalene	42		24	2.8	ug/L		09/16/16 06:51	09/20/16 14:45	5
2-Nitroaniline	ND		47	2.0	ug/L		09/16/16 06:51	09/20/16 14:45	5
2-Nitrophenol	ND		24	2.3	ug/L		09/16/16 06:51	09/20/16 14:45	5
3,3'-Dichlorobenzidine	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
3-Nitroaniline	ND		47	2.3	ug/L		09/16/16 06:51	09/20/16 14:45	5
4,6-Dinitro-2-methylphenol	ND		47	10	ug/L		09/16/16 06:51	09/20/16 14:45	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: ASW 091416

Lab Sample ID: 480-105978-5

Date Collected: 09/14/16 11:30

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		24	2.1	ug/L		09/16/16 06:51	09/20/16 14:45	5
4-Chloro-3-methylphenol	ND		24	2.1	ug/L		09/16/16 06:51	09/20/16 14:45	5
4-Chloroaniline	ND		24	2.8	ug/L		09/16/16 06:51	09/20/16 14:45	5
4-Chlorophenyl phenyl ether	ND		24	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
4-Methylphenol	21	J	47	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
4-Nitroaniline	ND		47	1.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
4-Nitrophenol	ND	*	47	7.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
Acenaphthene	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
Acenaphthylene	ND		24	1.8	ug/L		09/16/16 06:51	09/20/16 14:45	5
Acetophenone	ND		24	2.6	ug/L		09/16/16 06:51	09/20/16 14:45	5
Anthracene	ND		24	1.3	ug/L		09/16/16 06:51	09/20/16 14:45	5
Atrazine	ND		24	2.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
Benzaldehyde	ND	*	24	1.3	ug/L		09/16/16 06:51	09/20/16 14:45	5
Benzo(a)anthracene	ND		24	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
Benzo(a)pyrene	ND		24	2.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
Benzo(b)fluoranthene	ND		24	1.6	ug/L		09/16/16 06:51	09/20/16 14:45	5
Benzo(g,h,i)perylene	ND		24	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
Benzo(k)fluoranthene	ND		24	3.5	ug/L		09/16/16 06:51	09/20/16 14:45	5
Bis(2-chloroethoxy)methane	ND		24	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
Bis(2-chloroethyl)ether	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
Bis(2-ethylhexyl) phthalate	ND		24	10	ug/L		09/16/16 06:51	09/20/16 14:45	5
Butyl benzyl phthalate	ND		24	4.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
Caprolactam	ND		24	10	ug/L		09/16/16 06:51	09/20/16 14:45	5
Carbazole	ND		24	1.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
Chrysene	ND		24	1.6	ug/L		09/16/16 06:51	09/20/16 14:45	5
Dibenz(a,h)anthracene	ND		24	2.0	ug/L		09/16/16 06:51	09/20/16 14:45	5
Di-n-butyl phthalate	3.0	J	24	1.5	ug/L		09/16/16 06:51	09/20/16 14:45	5
Di-n-octyl phthalate	ND		24	2.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
Dibenzofuran	ND		47	2.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
Diethyl phthalate	ND		24	1.0	ug/L		09/16/16 06:51	09/20/16 14:45	5
Dimethyl phthalate	ND		24	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
Fluoranthene	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
Fluorene	ND		24	1.7	ug/L		09/16/16 06:51	09/20/16 14:45	5
Hexachlorobenzene	ND		24	2.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
Hexachlorobutadiene	ND		24	3.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
Hexachlorocyclopentadiene	ND		24	2.8	ug/L		09/16/16 06:51	09/20/16 14:45	5
Hexachloroethane	ND		24	2.8	ug/L		09/16/16 06:51	09/20/16 14:45	5
Indeno(1,2,3-cd)pyrene	ND		24	2.2	ug/L		09/16/16 06:51	09/20/16 14:45	5
Isophorone	ND		24	2.0	ug/L		09/16/16 06:51	09/20/16 14:45	5
N-Nitrosodi-n-propylamine	ND		24	2.6	ug/L		09/16/16 06:51	09/20/16 14:45	5
N-Nitrosodiphenylamine	ND		24	2.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
Naphthalene	90		24	3.6	ug/L		09/16/16 06:51	09/20/16 14:45	5
Nitrobenzene	ND		24	1.4	ug/L		09/16/16 06:51	09/20/16 14:45	5
Pentachlorophenol	ND		47	10	ug/L		09/16/16 06:51	09/20/16 14:45	5
Phenanthrene	ND		24	2.1	ug/L		09/16/16 06:51	09/20/16 14:45	5
Phenol	ND		24	1.9	ug/L		09/16/16 06:51	09/20/16 14:45	5
Pyrene	ND		24	1.6	ug/L		09/16/16 06:51	09/20/16 14:45	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	113		46 - 120				09/16/16 06:51	09/20/16 14:45	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: ASW 091416

Lab Sample ID: 480-105978-5

Date Collected: 09/14/16 11:30

Matrix: Water

Date Received: 09/15/16 01:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	72		16 - 120	09/16/16 06:51	09/20/16 14:45	5
p-Terphenyl-d14	63	X	67 - 150	09/16/16 06:51	09/20/16 14:45	5
2,4,6-Tribromophenol	149	X	52 - 132	09/16/16 06:51	09/20/16 14:45	5
2-Fluorobiphenyl	102		48 - 120	09/16/16 06:51	09/20/16 14:45	5
2-Fluorophenol	74		20 - 120	09/16/16 06:51	09/20/16 14:45	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.50	0.091	ug/L		09/15/16 15:09	09/16/16 13:52	10
4,4'-DDE	ND		0.50	0.11	ug/L		09/15/16 15:09	09/16/16 13:52	10
4,4'-DDT	ND		0.50	0.11	ug/L		09/15/16 15:09	09/16/16 13:52	10
Aldrin	ND		0.50	0.080	ug/L		09/15/16 15:09	09/16/16 13:52	10
alpha-BHC	0.086	J B	0.50	0.076	ug/L		09/15/16 15:09	09/16/16 13:52	10
alpha-Chlordane	ND		0.50	0.15	ug/L		09/15/16 15:09	09/16/16 13:52	10
beta-BHC	ND		0.50	0.25	ug/L		09/15/16 15:09	09/16/16 13:52	10
delta-BHC	ND		0.50	0.099	ug/L		09/15/16 15:09	09/16/16 13:52	10
Dieldrin	ND		0.50	0.097	ug/L		09/15/16 15:09	09/16/16 13:52	10
Endosulfan I	ND		0.50	0.11	ug/L		09/15/16 15:09	09/16/16 13:52	10
Endosulfan II	ND		0.50	0.12	ug/L		09/15/16 15:09	09/16/16 13:52	10
Endosulfan sulfate	ND		0.50	0.16	ug/L		09/15/16 15:09	09/16/16 13:52	10
Endrin	ND		0.50	0.14	ug/L		09/15/16 15:09	09/16/16 13:52	10
Endrin aldehyde	ND		0.50	0.16	ug/L		09/15/16 15:09	09/16/16 13:52	10
Endrin ketone	ND		0.50	0.12	ug/L		09/15/16 15:09	09/16/16 13:52	10
gamma-BHC (Lindane)	ND		0.50	0.079	ug/L		09/15/16 15:09	09/16/16 13:52	10
gamma-Chlordane	ND		0.50	0.11	ug/L		09/15/16 15:09	09/16/16 13:52	10
Heptachlor	ND		0.50	0.084	ug/L		09/15/16 15:09	09/16/16 13:52	10
Heptachlor epoxide	ND		0.50	0.073	ug/L		09/15/16 15:09	09/16/16 13:52	10
Methoxychlor	ND		0.50	0.14	ug/L		09/15/16 15:09	09/16/16 13:52	10
Toxaphene	ND		5.0	1.2	ug/L		09/15/16 15:09	09/16/16 13:52	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	124	X	20 - 120	09/15/16 15:09	09/16/16 13:52	10
Tetrachloro-m-xylene	106		44 - 120	09/15/16 15:09	09/16/16 13:52	10

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-23 091416

Lab Sample ID: 480-105978-6

Date Collected: 09/14/16 12:05

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 15:42	10
1,1,1-Trichloroethane	ND		10	8.2	ug/L			09/20/16 15:42	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			09/20/16 15:42	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			09/20/16 15:42	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			09/20/16 15:42	10
1,1-Dichloroethane	ND		10	3.8	ug/L			09/20/16 15:42	10
1,1-Dichloroethene	ND		10	2.9	ug/L			09/20/16 15:42	10
1,1-Dichloropropene	ND		10	7.2	ug/L			09/20/16 15:42	10
1,2,3-Trichlorobenzene	ND		10	4.1	ug/L			09/20/16 15:42	10
1,2,3-Trichloropropane	ND		10	8.9	ug/L			09/20/16 15:42	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			09/20/16 15:42	10
1,2,4-Trimethylbenzene	570		10	7.5	ug/L			09/20/16 15:42	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			09/20/16 15:42	10
1,2-Dibromoethane	ND		10	7.3	ug/L			09/20/16 15:42	10
1,2-Dichlorobenzene	30		10	7.9	ug/L			09/20/16 15:42	10
1,2-Dichloroethane	ND		10	2.1	ug/L			09/20/16 15:42	10
1,2-Dichloropropane	ND		10	7.2	ug/L			09/20/16 15:42	10
1,3,5-Trimethylbenzene	200		10	7.7	ug/L			09/20/16 15:42	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			09/20/16 15:42	10
1,3-Dichloropropane	ND		10	7.5	ug/L			09/20/16 15:42	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			09/20/16 15:42	10
2,2-Dichloropropane	ND		10	4.0	ug/L			09/20/16 15:42	10
2-Butanone (MEK)	ND		100	13	ug/L			09/20/16 15:42	10
2-Chlorotoluene	ND		10	8.6	ug/L			09/20/16 15:42	10
2-Hexanone	ND		50	12	ug/L			09/20/16 15:42	10
4-Chlorotoluene	ND		10	8.4	ug/L			09/20/16 15:42	10
4-Isopropyltoluene	26		10	3.1	ug/L			09/20/16 15:42	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			09/20/16 15:42	10
Acetone	48 J		100	30	ug/L			09/20/16 15:42	10
Benzene	ND		10	4.1	ug/L			09/20/16 15:42	10
Bromobenzene	ND		10	8.0	ug/L			09/20/16 15:42	10
Bromodichloromethane	ND		10	3.9	ug/L			09/20/16 15:42	10
Bromoform	ND		10	2.6	ug/L			09/20/16 15:42	10
Bromomethane	ND		10	6.9	ug/L			09/20/16 15:42	10
Carbon disulfide	2.2 J		10	1.9	ug/L			09/20/16 15:42	10
Carbon tetrachloride	ND		10	2.7	ug/L			09/20/16 15:42	10
Chlorobenzene	ND		10	7.5	ug/L			09/20/16 15:42	10
Chlorobromomethane	ND		10	8.7	ug/L			09/20/16 15:42	10
Chloroethane	6.3 J		10	3.2	ug/L			09/20/16 15:42	10
Chloroform	ND		10	3.4	ug/L			09/20/16 15:42	10
Chloromethane	35		10	3.5	ug/L			09/20/16 15:42	10
cis-1,2-Dichloroethene	14		10	8.1	ug/L			09/20/16 15:42	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			09/20/16 15:42	10
Cyclohexane	3.6 J		10	1.8	ug/L			09/20/16 15:42	10
Dibromochloromethane	ND		10	3.2	ug/L			09/20/16 15:42	10
Dibromomethane	ND		10	4.1	ug/L			09/20/16 15:42	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			09/20/16 15:42	10
Ethylbenzene	110		10	7.4	ug/L			09/20/16 15:42	10
Hexachlorobutadiene	ND		10	2.8	ug/L			09/20/16 15:42	10

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-23 091416

Lab Sample ID: 480-105978-6

Date Collected: 09/14/16 12:05

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 15:42	10
Isopropylbenzene	33		10	7.9	ug/L			09/20/16 15:42	10
m,p-Xylene	580		20	6.6	ug/L			09/20/16 15:42	10
Methyl acetate	ND		25	13	ug/L			09/20/16 15:42	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			09/20/16 15:42	10
Methylcyclohexane	12		10	1.6	ug/L			09/20/16 15:42	10
Methylene Chloride	9.3 J		10	4.4	ug/L			09/20/16 15:42	10
Naphthalene	82		10	4.3	ug/L			09/20/16 15:42	10
n-Butylbenzene	15		10	6.4	ug/L			09/20/16 15:42	10
N-Propylbenzene	53		10	6.9	ug/L			09/20/16 15:42	10
o-Xylene	300		10	7.6	ug/L			09/20/16 15:42	10
sec-Butylbenzene	ND		10	7.5	ug/L			09/20/16 15:42	10
Styrene	ND		10	7.3	ug/L			09/20/16 15:42	10
tert-Butylbenzene	ND		10	8.1	ug/L			09/20/16 15:42	10
Tetrachloroethene	ND		10	3.6	ug/L			09/20/16 15:42	10
Toluene	ND		10	5.1	ug/L			09/20/16 15:42	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			09/20/16 15:42	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			09/20/16 15:42	10
Trichloroethene	ND		10	4.6	ug/L			09/20/16 15:42	10
Trichlorofluoromethane	ND		10	8.8	ug/L			09/20/16 15:42	10
Vinyl acetate	ND		50	8.5	ug/L			09/20/16 15:42	10
Vinyl chloride	ND		10	9.0	ug/L			09/20/16 15:42	10
Xylenes, Total	880		20	6.6	ug/L			09/20/16 15:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		09/20/16 15:42	10
4-Bromofluorobenzene (Surr)	103		73 - 120		09/20/16 15:42	10
Dibromofluoromethane (Surr)	90		75 - 123		09/20/16 15:42	10
Toluene-d8 (Surr)	91		80 - 120		09/20/16 15:42	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		23	3.1	ug/L		09/16/16 06:51	09/20/16 15:15	5
bis (2-chloroisopropyl) ether	ND		23	2.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,4,5-Trichlorophenol	ND		23	2.3	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,4,6-Trichlorophenol	ND		23	2.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,4-Dichlorophenol	ND		23	2.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,4-Dimethylphenol	7.6 J		23	2.3	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,4-Dinitrophenol	ND *		47	10	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,4-Dinitrotoluene	ND		23	2.1	ug/L		09/16/16 06:51	09/20/16 15:15	5
2,6-Dinitrotoluene	ND		23	1.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
2-Chloronaphthalene	ND		23	2.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
2-Chlorophenol	ND		23	2.5	ug/L		09/16/16 06:51	09/20/16 15:15	5
2-Methylphenol	ND		23	1.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
2-Methylnaphthalene	23		23	2.8	ug/L		09/16/16 06:51	09/20/16 15:15	5
2-Nitroaniline	ND		47	2.0	ug/L		09/16/16 06:51	09/20/16 15:15	5
2-Nitrophenol	ND		23	2.3	ug/L		09/16/16 06:51	09/20/16 15:15	5
3,3'-Dichlorobenzidine	ND		23	1.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
3-Nitroaniline	ND		47	2.3	ug/L		09/16/16 06:51	09/20/16 15:15	5
4,6-Dinitro-2-methylphenol	ND		47	10	ug/L		09/16/16 06:51	09/20/16 15:15	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-23 091416

Lab Sample ID: 480-105978-6

Date Collected: 09/14/16 12:05

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		23	2.1	ug/L		09/16/16 06:51	09/20/16 15:15	5
4-Chloro-3-methylphenol	ND		23	2.1	ug/L		09/16/16 06:51	09/20/16 15:15	5
4-Chloroaniline	ND		23	2.8	ug/L		09/16/16 06:51	09/20/16 15:15	5
4-Chlorophenyl phenyl ether	ND		23	1.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
4-Methylphenol	7.2	J	47	1.7	ug/L		09/16/16 06:51	09/20/16 15:15	5
4-Nitroaniline	ND		47	1.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
4-Nitrophenol	ND	*	47	7.1	ug/L		09/16/16 06:51	09/20/16 15:15	5
Acenaphthene	ND		23	1.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
Acenaphthylene	ND		23	1.8	ug/L		09/16/16 06:51	09/20/16 15:15	5
Acetophenone	ND		23	2.5	ug/L		09/16/16 06:51	09/20/16 15:15	5
Anthracene	ND		23	1.3	ug/L		09/16/16 06:51	09/20/16 15:15	5
Atrazine	ND		23	2.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
Benzaldehyde	ND	*	23	1.3	ug/L		09/16/16 06:51	09/20/16 15:15	5
Benzo(a)anthracene	ND		23	1.7	ug/L		09/16/16 06:51	09/20/16 15:15	5
Benzo(a)pyrene	ND		23	2.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
Benzo(b)fluoranthene	ND		23	1.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
Benzo(g,h,i)perylene	ND		23	1.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
Benzo(k)fluoranthene	ND		23	3.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
Bis(2-chloroethoxy)methane	ND		23	1.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
Bis(2-chloroethyl)ether	ND		23	1.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
Bis(2-ethylhexyl) phthalate	ND		23	10	ug/L		09/16/16 06:51	09/20/16 15:15	5
Butyl benzyl phthalate	ND		23	4.7	ug/L		09/16/16 06:51	09/20/16 15:15	5
Caprolactam	ND		23	10	ug/L		09/16/16 06:51	09/20/16 15:15	5
Carbazole	ND		23	1.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
Chrysene	ND		23	1.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
Dibenz(a,h)anthracene	ND		23	2.0	ug/L		09/16/16 06:51	09/20/16 15:15	5
Di-n-butyl phthalate	1.5	J	23	1.5	ug/L		09/16/16 06:51	09/20/16 15:15	5
Di-n-octyl phthalate	ND		23	2.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
Dibenzofuran	ND		47	2.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
Diethyl phthalate	ND		23	1.0	ug/L		09/16/16 06:51	09/20/16 15:15	5
Dimethyl phthalate	ND		23	1.7	ug/L		09/16/16 06:51	09/20/16 15:15	5
Fluoranthene	ND		23	1.9	ug/L		09/16/16 06:51	09/20/16 15:15	5
Fluorene	ND		23	1.7	ug/L		09/16/16 06:51	09/20/16 15:15	5
Hexachlorobenzene	ND		23	2.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
Hexachlorobutadiene	ND		23	3.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
Hexachlorocyclopentadiene	ND		23	2.8	ug/L		09/16/16 06:51	09/20/16 15:15	5
Hexachloroethane	ND		23	2.8	ug/L		09/16/16 06:51	09/20/16 15:15	5
Indeno(1,2,3-cd)pyrene	ND		23	2.2	ug/L		09/16/16 06:51	09/20/16 15:15	5
Isophorone	ND		23	2.0	ug/L		09/16/16 06:51	09/20/16 15:15	5
N-Nitrosodi-n-propylamine	ND		23	2.5	ug/L		09/16/16 06:51	09/20/16 15:15	5
N-Nitrosodiphenylamine	ND		23	2.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
Naphthalene	68		23	3.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
Nitrobenzene	ND		23	1.4	ug/L		09/16/16 06:51	09/20/16 15:15	5
Pentachlorophenol	ND		47	10	ug/L		09/16/16 06:51	09/20/16 15:15	5
Phenanthrene	ND		23	2.1	ug/L		09/16/16 06:51	09/20/16 15:15	5
Phenol	ND		23	1.8	ug/L		09/16/16 06:51	09/20/16 15:15	5
Pyrene	ND		23	1.6	ug/L		09/16/16 06:51	09/20/16 15:15	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	106		46 - 120				09/16/16 06:51	09/20/16 15:15	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-23 091416

Lab Sample ID: 480-105978-6

Date Collected: 09/14/16 12:05

Matrix: Water

Date Received: 09/15/16 01:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5	64		16 - 120	09/16/16 06:51	09/20/16 15:15	5
p-Terphenyl-d14	85		67 - 150	09/16/16 06:51	09/20/16 15:15	5
2,4,6-Tribromophenol	138	X	52 - 132	09/16/16 06:51	09/20/16 15:15	5
2-Fluorobiphenyl	109		48 - 120	09/16/16 06:51	09/20/16 15:15	5
2-Fluorophenol	73		20 - 120	09/16/16 06:51	09/20/16 15:15	5

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		09/15/16 15:09	09/16/16 14:11	5
4,4'-DDE	ND		0.23	0.053	ug/L		09/15/16 15:09	09/16/16 14:11	5
4,4'-DDT	ND		0.23	0.051	ug/L		09/15/16 15:09	09/16/16 14:11	5
Aldrin	0.041	J	0.23	0.037	ug/L		09/15/16 15:09	09/16/16 14:11	5
alpha-BHC	ND		0.23	0.035	ug/L		09/15/16 15:09	09/16/16 14:11	5
alpha-Chlordane	ND		0.23	0.068	ug/L		09/15/16 15:09	09/16/16 14:11	5
beta-BHC	ND		0.23	0.11	ug/L		09/15/16 15:09	09/16/16 14:11	5
delta-BHC	ND		0.23	0.046	ug/L		09/15/16 15:09	09/16/16 14:11	5
Dieldrin	ND		0.23	0.045	ug/L		09/15/16 15:09	09/16/16 14:11	5
Endosulfan I	ND		0.23	0.051	ug/L		09/15/16 15:09	09/16/16 14:11	5
Endosulfan II	ND		0.23	0.055	ug/L		09/15/16 15:09	09/16/16 14:11	5
Endosulfan sulfate	ND		0.23	0.072	ug/L		09/15/16 15:09	09/16/16 14:11	5
Endrin	ND		0.23	0.064	ug/L		09/15/16 15:09	09/16/16 14:11	5
Endrin aldehyde	ND		0.23	0.075	ug/L		09/15/16 15:09	09/16/16 14:11	5
Endrin ketone	ND		0.23	0.055	ug/L		09/15/16 15:09	09/16/16 14:11	5
gamma-BHC (Lindane)	ND		0.23	0.037	ug/L		09/15/16 15:09	09/16/16 14:11	5
gamma-Chlordane	ND		0.23	0.051	ug/L		09/15/16 15:09	09/16/16 14:11	5
Heptachlor	ND		0.23	0.039	ug/L		09/15/16 15:09	09/16/16 14:11	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		09/15/16 15:09	09/16/16 14:11	5
Methoxychlor	ND		0.23	0.065	ug/L		09/15/16 15:09	09/16/16 14:11	5
Toxaphene	ND		2.3	0.55	ug/L		09/15/16 15:09	09/16/16 14:11	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		20 - 120	09/15/16 15:09	09/16/16 14:11	5
Tetrachloro-m-xylene	90		44 - 120	09/15/16 15:09	09/16/16 14:11	5

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-21 091416

Lab Sample ID: 480-105978-7

Date Collected: 09/14/16 12:40

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 16:08	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/20/16 16:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/16 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/20/16 16:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/16 16:08	1
1,1-Dichloroethane	0.90	J	1.0	0.38	ug/L			09/20/16 16:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/16 16:08	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/20/16 16:08	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/16 16:08	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/20/16 16:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/16 16:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/16 16:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/20/16 16:08	1
1,2-Dichlorobenzene	12		1.0	0.79	ug/L			09/20/16 16:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/16 16:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/16 16:08	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/20/16 16:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/16 16:08	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/20/16 16:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/16 16:08	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/20/16 16:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/16 16:08	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			09/20/16 16:08	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/16 16:08	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			09/20/16 16:08	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			09/20/16 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/16 16:08	1
Acetone	ND		10	3.0	ug/L			09/20/16 16:08	1
Benzene	ND		1.0	0.41	ug/L			09/20/16 16:08	1
Bromobenzene	ND		1.0	0.80	ug/L			09/20/16 16:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/16 16:08	1
Bromoform	ND		1.0	0.26	ug/L			09/20/16 16:08	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/16 16:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/16 16:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/16 16:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/16 16:08	1
Chlorobromomethane	ND		1.0	0.87	ug/L			09/20/16 16:08	1
Chloroethane	0.72	J	1.0	0.32	ug/L			09/20/16 16:08	1
Chloroform	ND		1.0	0.34	ug/L			09/20/16 16:08	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/16 16:08	1
cis-1,2-Dichloroethene	14		1.0	0.81	ug/L			09/20/16 16:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/16 16:08	1
Cyclohexane	1.7		1.0	0.18	ug/L			09/20/16 16:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/20/16 16:08	1
Dibromomethane	ND		1.0	0.41	ug/L			09/20/16 16:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/16 16:08	1
Ethylbenzene	70		1.0	0.74	ug/L			09/20/16 16:08	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/20/16 16:08	1
Iodomethane	ND		1.0	0.30	ug/L			09/20/16 16:08	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-21 091416

Lab Sample ID: 480-105978-7

Date Collected: 09/14/16 12:40

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	19		1.0	0.79	ug/L			09/20/16 16:08	1
m,p-Xylene	1.2	J	2.0	0.66	ug/L			09/20/16 16:08	1
Methyl acetate	ND		2.5	1.3	ug/L			09/20/16 16:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/16 16:08	1
Methylcyclohexane	4.2		1.0	0.16	ug/L			09/20/16 16:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/16 16:08	1
Naphthalene	ND		1.0	0.43	ug/L			09/20/16 16:08	1
n-Butylbenzene	18		1.0	0.64	ug/L			09/20/16 16:08	1
N-Propylbenzene	28		1.0	0.69	ug/L			09/20/16 16:08	1
o-Xylene	42		1.0	0.76	ug/L			09/20/16 16:08	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/20/16 16:08	1
Styrene	ND		1.0	0.73	ug/L			09/20/16 16:08	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/20/16 16:08	1
Tetrachloroethene	0.52	J	1.0	0.36	ug/L			09/20/16 16:08	1
Toluene	ND		1.0	0.51	ug/L			09/20/16 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/16 16:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/16 16:08	1
Trichloroethene	0.63	J	1.0	0.46	ug/L			09/20/16 16:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/16 16:08	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/20/16 16:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/16 16:08	1
Xylenes, Total	43		2.0	0.66	ug/L			09/20/16 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		09/20/16 16:08	1
4-Bromofluorobenzene (Surr)	104		73 - 120		09/20/16 16:08	1
Dibromofluoromethane (Surr)	88		75 - 123		09/20/16 16:08	1
Toluene-d8 (Surr)	90		80 - 120		09/20/16 16:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	130		2.0	1.5	ug/L			09/21/16 02:43	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		77 - 120		09/21/16 02:43	2
4-Bromofluorobenzene (Surr)	108		73 - 120		09/21/16 02:43	2
Dibromofluoromethane (Surr)	91		75 - 123		09/21/16 02:43	2
Toluene-d8 (Surr)	90		80 - 120		09/21/16 02:43	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		4.6	0.61	ug/L		09/16/16 06:51	09/20/16 15:44	1
bis (2-chloroisopropyl) ether	ND		4.6	0.48	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,4,5-Trichlorophenol	ND		4.6	0.45	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,4,6-Trichlorophenol	ND		4.6	0.57	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,4-Dichlorophenol	ND		4.6	0.47	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,4-Dimethylphenol	ND		4.6	0.46	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,4-Dinitrophenol	ND	*	9.3	2.1	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,4-Dinitrotoluene	ND		4.6	0.41	ug/L		09/16/16 06:51	09/20/16 15:44	1
2,6-Dinitrotoluene	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 15:44	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-21 091416

Lab Sample ID: 480-105978-7

Date Collected: 09/14/16 12:40

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	ND		4.6	0.43	ug/L		09/16/16 06:51	09/20/16 15:44	1
2-Chlorophenol	ND		4.6	0.49	ug/L		09/16/16 06:51	09/20/16 15:44	1
2-Methylphenol	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 15:44	1
2-Methylnaphthalene	ND		4.6	0.56	ug/L		09/16/16 06:51	09/20/16 15:44	1
2-Nitroaniline	ND		9.3	0.39	ug/L		09/16/16 06:51	09/20/16 15:44	1
2-Nitrophenol	ND		4.6	0.45	ug/L		09/16/16 06:51	09/20/16 15:44	1
3,3'-Dichlorobenzidine	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 15:44	1
3-Nitroaniline	ND		9.3	0.45	ug/L		09/16/16 06:51	09/20/16 15:44	1
4,6-Dinitro-2-methylphenol	ND		9.3	2.0	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Bromophenyl phenyl ether	ND		4.6	0.42	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Chloro-3-methylphenol	ND		4.6	0.42	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Chloroaniline	ND		4.6	0.55	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Chlorophenyl phenyl ether	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Methylphenol	ND		9.3	0.33	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Nitroaniline	ND		9.3	0.23	ug/L		09/16/16 06:51	09/20/16 15:44	1
4-Nitrophenol	ND	*	9.3	1.4	ug/L		09/16/16 06:51	09/20/16 15:44	1
Acenaphthene	ND		4.6	0.38	ug/L		09/16/16 06:51	09/20/16 15:44	1
Acenaphthylene	ND		4.6	0.35	ug/L		09/16/16 06:51	09/20/16 15:44	1
Acetophenone	ND		4.6	0.50	ug/L		09/16/16 06:51	09/20/16 15:44	1
Anthracene	ND		4.6	0.26	ug/L		09/16/16 06:51	09/20/16 15:44	1
Atrazine	ND		4.6	0.43	ug/L		09/16/16 06:51	09/20/16 15:44	1
Benzaldehyde	ND	*	4.6	0.25	ug/L		09/16/16 06:51	09/20/16 15:44	1
Benzo(a)anthracene	ND		4.6	0.33	ug/L		09/16/16 06:51	09/20/16 15:44	1
Benzo(a)pyrene	ND		4.6	0.44	ug/L		09/16/16 06:51	09/20/16 15:44	1
Benzo(b)fluoranthene	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 15:44	1
Benzo(g,h,i)perylene	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 15:44	1
Benzo(k)fluoranthene	ND		4.6	0.68	ug/L		09/16/16 06:51	09/20/16 15:44	1
Bis(2-chloroethoxy)methane	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 15:44	1
Bis(2-chloroethyl)ether	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 15:44	1
Bis(2-ethylhexyl) phthalate	ND		4.6	2.0	ug/L		09/16/16 06:51	09/20/16 15:44	1
Butyl benzyl phthalate	ND		4.6	0.93	ug/L		09/16/16 06:51	09/20/16 15:44	1
Caprolactam	ND		4.6	2.0	ug/L		09/16/16 06:51	09/20/16 15:44	1
Carbazole	ND		4.6	0.28	ug/L		09/16/16 06:51	09/20/16 15:44	1
Chrysene	ND		4.6	0.31	ug/L		09/16/16 06:51	09/20/16 15:44	1
Dibenz(a,h)anthracene	ND		4.6	0.39	ug/L		09/16/16 06:51	09/20/16 15:44	1
Di-n-butyl phthalate	0.96	J	4.6	0.29	ug/L		09/16/16 06:51	09/20/16 15:44	1
Di-n-octyl phthalate	ND		4.6	0.44	ug/L		09/16/16 06:51	09/20/16 15:44	1
Dibenzofuran	ND		9.3	0.47	ug/L		09/16/16 06:51	09/20/16 15:44	1
Diethyl phthalate	ND		4.6	0.20	ug/L		09/16/16 06:51	09/20/16 15:44	1
Dimethyl phthalate	ND		4.6	0.33	ug/L		09/16/16 06:51	09/20/16 15:44	1
Fluoranthene	ND		4.6	0.37	ug/L		09/16/16 06:51	09/20/16 15:44	1
Fluorene	ND		4.6	0.33	ug/L		09/16/16 06:51	09/20/16 15:44	1
Hexachlorobenzene	ND		4.6	0.47	ug/L		09/16/16 06:51	09/20/16 15:44	1
Hexachlorobutadiene	ND		4.6	0.63	ug/L		09/16/16 06:51	09/20/16 15:44	1
Hexachlorocyclopentadiene	ND		4.6	0.55	ug/L		09/16/16 06:51	09/20/16 15:44	1
Hexachloroethane	ND		4.6	0.55	ug/L		09/16/16 06:51	09/20/16 15:44	1
Indeno(1,2,3-cd)pyrene	ND		4.6	0.44	ug/L		09/16/16 06:51	09/20/16 15:44	1
Isophorone	ND		4.6	0.40	ug/L		09/16/16 06:51	09/20/16 15:44	1
N-Nitrosodi-n-propylamine	ND		4.6	0.50	ug/L		09/16/16 06:51	09/20/16 15:44	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: MW-21 091416

Lab Sample ID: 480-105978-7

Date Collected: 09/14/16 12:40

Matrix: Water

Date Received: 09/15/16 01:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	ND		4.6	0.47	ug/L		09/16/16 06:51	09/20/16 15:44	1
Naphthalene	ND		4.6	0.71	ug/L		09/16/16 06:51	09/20/16 15:44	1
Nitrobenzene	ND		4.6	0.27	ug/L		09/16/16 06:51	09/20/16 15:44	1
Pentachlorophenol	ND		9.3	2.0	ug/L		09/16/16 06:51	09/20/16 15:44	1
Phenanthrene	ND		4.6	0.41	ug/L		09/16/16 06:51	09/20/16 15:44	1
Phenol	ND		4.6	0.36	ug/L		09/16/16 06:51	09/20/16 15:44	1
Pyrene	ND		4.6	0.32	ug/L		09/16/16 06:51	09/20/16 15:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	100		46 - 120	09/16/16 06:51	09/20/16 15:44	1
Phenol-d5	57		16 - 120	09/16/16 06:51	09/20/16 15:44	1
p-Terphenyl-d14	107		67 - 150	09/16/16 06:51	09/20/16 15:44	1
2,4,6-Tribromophenol	132		52 - 132	09/16/16 06:51	09/20/16 15:44	1
2-Fluorobiphenyl	68		48 - 120	09/16/16 06:51	09/20/16 15:44	1
2-Fluorophenol	73		20 - 120	09/16/16 06:51	09/20/16 15:44	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		0.23	0.043	ug/L		09/15/16 15:09	09/16/16 14:31	5
4,4'-DDE	ND		0.23	0.054	ug/L		09/15/16 15:09	09/16/16 14:31	5
4,4'-DDT	ND		0.23	0.051	ug/L		09/15/16 15:09	09/16/16 14:31	5
Aldrin	ND		0.23	0.038	ug/L		09/15/16 15:09	09/16/16 14:31	5
alpha-BHC	ND		0.23	0.036	ug/L		09/15/16 15:09	09/16/16 14:31	5
alpha-Chlordane	ND		0.23	0.069	ug/L		09/15/16 15:09	09/16/16 14:31	5
beta-BHC	ND		0.23	0.12	ug/L		09/15/16 15:09	09/16/16 14:31	5
delta-BHC	ND		0.23	0.047	ug/L		09/15/16 15:09	09/16/16 14:31	5
Dieldrin	ND		0.23	0.046	ug/L		09/15/16 15:09	09/16/16 14:31	5
Endosulfan I	ND		0.23	0.051	ug/L		09/15/16 15:09	09/16/16 14:31	5
Endosulfan II	ND		0.23	0.056	ug/L		09/15/16 15:09	09/16/16 14:31	5
Endosulfan sulfate	ND		0.23	0.073	ug/L		09/15/16 15:09	09/16/16 14:31	5
Endrin	ND		0.23	0.064	ug/L		09/15/16 15:09	09/16/16 14:31	5
Endrin aldehyde	ND		0.23	0.076	ug/L		09/15/16 15:09	09/16/16 14:31	5
Endrin ketone	ND		0.23	0.056	ug/L		09/15/16 15:09	09/16/16 14:31	5
gamma-BHC (Lindane)	ND		0.23	0.037	ug/L		09/15/16 15:09	09/16/16 14:31	5
gamma-Chlordane	ND		0.23	0.051	ug/L		09/15/16 15:09	09/16/16 14:31	5
Heptachlor	ND		0.23	0.040	ug/L		09/15/16 15:09	09/16/16 14:31	5
Heptachlor epoxide	ND		0.23	0.034	ug/L		09/15/16 15:09	09/16/16 14:31	5
Methoxychlor	ND		0.23	0.066	ug/L		09/15/16 15:09	09/16/16 14:31	5
Toxaphene	ND		2.3	0.56	ug/L		09/15/16 15:09	09/16/16 14:31	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	70		20 - 120	09/15/16 15:09	09/16/16 14:31	5
Tetrachloro-m-xylene	90		44 - 120	09/15/16 15:09	09/16/16 14:31	5

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-105978-8

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 16:33	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			09/20/16 16:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/20/16 16:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/20/16 16:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/20/16 16:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/20/16 16:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/20/16 16:33	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			09/20/16 16:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/16 16:33	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			09/20/16 16:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/20/16 16:33	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			09/20/16 16:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/20/16 16:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/20/16 16:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/20/16 16:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/20/16 16:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/20/16 16:33	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			09/20/16 16:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/20/16 16:33	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			09/20/16 16:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/20/16 16:33	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			09/20/16 16:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/20/16 16:33	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			09/20/16 16:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/20/16 16:33	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			09/20/16 16:33	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			09/20/16 16:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/20/16 16:33	1
Acetone	10		10	3.0	ug/L			09/20/16 16:33	1
Benzene	ND		1.0	0.41	ug/L			09/20/16 16:33	1
Bromobenzene	ND		1.0	0.80	ug/L			09/20/16 16:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/20/16 16:33	1
Bromoform	ND		1.0	0.26	ug/L			09/20/16 16:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/20/16 16:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/20/16 16:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/20/16 16:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/20/16 16:33	1
Chlorobromomethane	ND		1.0	0.87	ug/L			09/20/16 16:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/20/16 16:33	1
Chloroform	ND		1.0	0.34	ug/L			09/20/16 16:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/20/16 16:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/20/16 16:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/20/16 16:33	1
Cyclohexane	ND		1.0	0.18	ug/L			09/20/16 16:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/20/16 16:33	1
Dibromomethane	ND		1.0	0.41	ug/L			09/20/16 16:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/20/16 16:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/20/16 16:33	1
Hexachlorobutadiene	ND		1.0	0.28	ug/L			09/20/16 16:33	1

TestAmerica Buffalo

Client Sample Results

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-105978-8

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

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			09/20/16 16:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/20/16 16:33	1
m,p-Xylene	ND		2.0	0.66	ug/L			09/20/16 16:33	1
Methyl acetate	ND		2.5	1.3	ug/L			09/20/16 16:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/20/16 16:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/20/16 16:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/20/16 16:33	1
Naphthalene	ND		1.0	0.43	ug/L			09/20/16 16:33	1
n-Butylbenzene	ND		1.0	0.64	ug/L			09/20/16 16:33	1
N-Propylbenzene	ND		1.0	0.69	ug/L			09/20/16 16:33	1
o-Xylene	ND		1.0	0.76	ug/L			09/20/16 16:33	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			09/20/16 16:33	1
Styrene	ND		1.0	0.73	ug/L			09/20/16 16:33	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			09/20/16 16:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/20/16 16:33	1
Toluene	ND		1.0	0.51	ug/L			09/20/16 16:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/20/16 16:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/20/16 16:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/20/16 16:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/20/16 16:33	1
Vinyl acetate	ND		5.0	0.85	ug/L			09/20/16 16:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/20/16 16:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/20/16 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		09/20/16 16:33	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/20/16 16:33	1
Dibromofluoromethane (Surr)	88		75 - 123		09/20/16 16:33	1
Toluene-d8 (Surr)	91		80 - 120		09/20/16 16:33	1

Lab Chronicle

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: DUP-1 091416

Lab Sample ID: 480-105978-1

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	321264	09/20/16 14:26	GVF	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		1	321244	09/20/16 12:49	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		5	320662	09/16/16 12:34	MAN	TAL BUF

Client Sample ID: MW-17 091416

Lab Sample ID: 480-105978-2

Date Collected: 09/14/16 09:25

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	321110	09/20/16 00:16	GTG	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		1	321244	09/20/16 13:19	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		5	320662	09/16/16 12:53	MAN	TAL BUF

Client Sample ID: MW-18 091416

Lab Sample ID: 480-105978-3

Date Collected: 09/14/16 10:30

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	321110	09/20/16 00:40	GTG	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		1	321244	09/20/16 13:48	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		5	320662	09/16/16 13:13	MAN	TAL BUF

Client Sample ID: MW-22 091416

Lab Sample ID: 480-105978-4

Date Collected: 09/14/16 11:05

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	321264	09/20/16 14:52	GVF	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		1	321244	09/20/16 14:16	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		2	320662	09/16/16 13:32	MAN	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-105978-1

Client Sample ID: ASW 091416

Lab Sample ID: 480-105978-5

Date Collected: 09/14/16 11:30

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	321264	09/20/16 15:17	GVF	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		5	321244	09/20/16 14:45	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		10	320662	09/16/16 13:52	MAN	TAL BUF

Client Sample ID: MW-23 091416

Lab Sample ID: 480-105978-6

Date Collected: 09/14/16 12:05

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	321264	09/20/16 15:42	GVF	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		5	321244	09/20/16 15:15	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		5	320662	09/16/16 14:11	MAN	TAL BUF

Client Sample ID: MW-21 091416

Lab Sample ID: 480-105978-7

Date Collected: 09/14/16 12:40

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	321264	09/20/16 16:08	GVF	TAL BUF
Total/NA	Analysis	8260C	DL	2	321332	09/21/16 02:43	GTG	TAL BUF
Total/NA	Prep	3510C			320630	09/16/16 06:51	SMP	TAL BUF
Total/NA	Analysis	8270D		1	321244	09/20/16 15:44	PJQ	TAL BUF
Total/NA	Prep	3510C			320562	09/15/16 15:09	ARS	TAL BUF
Total/NA	Analysis	8081B		5	320662	09/16/16 14:31	MAN	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-105978-8

Date Collected: 09/14/16 00:00

Matrix: Water

Date Received: 09/15/16 01:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	321264	09/20/16 16:33	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: 480-105978-1

Laboratory: TestAmerica Buffalo

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
New York	NELAP	2	10026	03-31-17

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

Method Summary

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

TestAmerica Job ID: 480-105978-1

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: 480-105978-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-105978-1	DUP-1 091416	Water	09/14/16 00:00	09/15/16 01:45
480-105978-2	MW-17 091416	Water	09/14/16 09:25	09/15/16 01:45
480-105978-3	MW-18 091416	Water	09/14/16 10:30	09/15/16 01:45
480-105978-4	MW-22 091416	Water	09/14/16 11:05	09/15/16 01:45
480-105978-5	ASW 091416	Water	09/14/16 11:30	09/15/16 01:45
480-105978-6	MW-23 091416	Water	09/14/16 12:05	09/15/16 01:45
480-105978-7	MW-21 091416	Water	09/14/16 12:40	09/15/16 01:45
480-105978-8	TRIP BLANK	Water	09/14/16 00:00	09/15/16 01:45



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

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

Analysis Request
 Due Date Requested:
 TAT Requested (days): STD

Lab Pkt: Carrie
 Sampler: Chris French
 Lab Pkt: Stone, Judy L
 E-Mail: judy.stone@testamericainc.com
 Phone: 518 951 2200
 Job #: 480-105978 COC

PO #: 60273289.3
 Callout: 122730
 MO #: 48005347
 Project #: 48005347
 SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Soil, Air, etc.)	Preservation Code	Field Filtered Sample (Yes/No)	Performance (MSD by Res of No)	8260C - (MOP) TCL list OLM04.2	8270D - TCL SVCA - OLM04.2	8081B - TCL Pesticides - OLM04.2	Total Number of Containers	Special Instructions/Note:	
DP-1 091416	9/14/16	-	G	Water		X		X	X	X	7	Albany 480501	
MW-17 091416		925		Water		X		X	X	X	7		
MW-18 091416		1030		Water		X		X	X	X	7		
MW-22 091416		1105		Water		X		X	X	X	7		
ASN 091416		1130		Water		X		X	X	X	7		
MW-23 091416		1205		Water		X		X	X	X	7		
MW-21 091416		1240		Water		X		X	X	X	7		
Trip Blank		-		Water		X		X	X	X	2		

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

Empty Kit Relinquished by: _____ Date: _____
Relinquished by: Chris French Date: 9/14/16 13:45 Company: AECOM
Relinquished by: Chris French Date: 9/14/16 1800 Company: TAAS
Relinquished by: _____ Date: _____ Company: _____
 Custody Seals Intact: 0.6
 Custody Seal No.: 71



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-105978-1

Login Number: 105978

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

