AECOM Environment

Groundwater Monitoring Report

March 2010

Final

Korkay, Inc.

Site #5-18-014

Work Assignment No.

D004445-20

Prepared for:

SUPERFUND STANDBY PROGRAM

New York State

Department of Environmental Conservation

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June 2011

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1.0 INTRODUCTION

1.1 GENERAL

This summary report documents the groundwater sampling event conducted March 25th, 2010 at the Korkay Inc. Site (Site No. 5-18-014), located at 70 West Main Street in the Village of Broadalbin, Fulton County, New York (Figure 1). This sampling event was conducted in accordance with the Operation, Maintenance and Monitoring Plan (OM&M Plan, AECOM (as Earth Tech) 2007), for Work Assignment (WA) No. D004445-20 of the State Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and AECOM Technical Services Northeast, Inc. (AECOM).

The report presents and interprets analytical results for the groundwater sampling conducted in March 2010, in accordance with Task 6 and 7 of the OM&M Plan.

1.2 SITE DESCRIPTION AND BACKGROUND

Korkay, Incorporated (Korkay) located in Broadalbin, NY, was a supplier of detergents, solvents, and degreasers to the automotive industry from 1969 to 1980 (Figure 1). Korkay purchased bulk quantities of chemicals that were stored onsite for repackaging and/or blending into commercial products including automobile wax and hand cleaners. In addition to the production of commercial products, Korkay also operated as a drum reclamation facility.

In 1980, Korkay installed a 4,000 gallon above ground storage tank to appropriately contain the residual chemicals and rinsate generated from drum reclamation. Reports and site documentation indicate that the drums contained acetone, isopropyl alcohol, degreasers, and perfumes as well as other chemicals. In 1998 a phase II investigation was conducted. Multimedia sampling identified several inorganic and volatile organic compounds (VOCs) in groundwater at concentrations exceeding applicable standards. Subsequently, a remedial investigation (RI) was completed, followed by a feasibility study (FS), (Final Phase I and II FS, Camp Dresser and McKee 1995) to determine appropriate remedial activities to be conducted in order to address the contamination present at the site.

A Record of Decision (ROD) was entered by the NYSDEC in March 1996 which documented the site cleanup objectives and requirements for the remedial activities to be conducted. In August 1997, a remedial action was conducted at the site which included demolition of a building, and excavation and disposal of contaminated soils. In November 1998, a soil vapor extraction/air sparging (SVE/AS) system was constructed and put into operation in order to address the residual soil contamination (Figure 2). The SVE system was operated intermittently until 2003, when confirmatory soil sampling indicated that the soil cleanup objectives had been achieved.

In 2007, AECOM entered into Work Assignment No. D004445-20 of the State Superfund Standby Contract with the New York State Department of Environmental Conservation (NYSDEC). This work assignment included the generation of a Remedial System Operation (RSO) report, continued environmental sampling (groundwater monitoring and soils), site maintenance and reporting. In addition, a Periodic Review Report was generated for the site at the NYSDEC request.

2.0 GROUNDWATER SAMPLING

Per requirements of the OM&M Plan for the Korkay Inc. site, AECOM will manage the sampling of the entire monitoring well network on a five-quarter basis, for a maximum of three sampling events during this WA. Groundwater sampling for the third event was completed by AECOM in accordance with AECOM's April 2007 OM&M Plan for the Korkay site.

The locations of the sampled wells are presented in Figure 2.

2.1 GROUNDWATER SAMPLING METHODOLOGY

A total of 12 monitoring wells were sampled on March 25, 2010: ASW, Flushmount, K-2, K-3, MW-8S, MW-8D, MW-15S, MW-15D, VEW-1, VEW-2, VEW-3 and VEW-4.

A monitoring well network inspection was completed at the site. The monitoring well inspection logs are presented in Appendix A.

Prior to purging each well to prepare it for sampling, a depth-to-water measurement was taken using an electronic water level indicator, which was washed in a non-phosphate detergent solution, (LiquiNox® and potable water), and rinsed with distilled water before each use. Purging was conducted using the low-flow sampling technique with a submersible pump and polyethylene tubing. Groundwater from the well was purged until field parameters stabilized, or three well volumes were removed. Field parameters were considered to be stable when three consecutive readings were within the stabilization criteria for that parameter. The stabilization criteria are as follows: 10% or below 10 NTUs for turbidity, 3% for conductivity and temperature, 0.1 unit for pH, and 10 mV for ORP. New tubing was used for each location. Except for the two offsite wells (MW-8S & MW-8D), purge water was disposed of on the ground in the immediate vicinity of each well. The purge water from MW-8S and MW-8D carried to the site and disposed of on the ground.

Groundwater sampling logs (including the raw data sheets) are presented in Appendix B. All groundwater samples were placed in preserved bottles provided by the laboratory. Samples were packed with ice, and submitted with a completed Chain-of-Custody (CoC) form to Mitkem Laboratories, Warwick, Rhode Island (Mitkem). Each sample was analyzed for volatile organic compounds (VOC) by USEPA Method 8260. The laboratory report for the March 2010 sampling event is included as Appendix C.

3.0 RESULTS

3.1 GROUNDWATER FLOW

Water level measurements were obtained prior to sampling the wells. These depth-to-water measurements were converted to water level elevations using top-of-casing elevations for several wells, as presented in the 1995 RI report. Elevation data is not available for the AS well and the four SVE system wells.

The groundwater elevation data shown in Table 1 was used to produce a water table contour map of the shallow aquifer, as presented as Figure 3. Previous observations by AECOM, and data presented in CDM's RI report suggest the generalized groundwater flow direction is from north to south. During the March 2010 sampling event deep groundwater flow was consistent with previous observations. However, the shallow groundwater contours are indicative of a depression/trough in the vicinity of the inactive SVE system wells. This may be due to a seasonal variation in groundwater flow as this sampling event was conducted following the melt of a major snow storm.

The lack of shallow monitoring wells on the eastern edge of the Site property limits the accuracy of the delineation of groundwater flow. Additional monitoring wells along the east edge of the property would be recommended if better delineation is required.

3.2 ANALYTICAL RESULTS

The analytical results for the March 2010 groundwater sampling event are presented in Table 2. Concentrations above the New York State Ambient Water Quality Standards (AWQS) and guidance values for groundwater are in a shaded cell with bold typeface for ease of identification. Bolded text alone indicates a detection of the compound above the method detection limit, but below the individual AWQS.

Volatile Organic Compounds

In the 12 monitoring wells sampled, the total VOC (TVOC) concentrations ranged from below detection limits (ND) to 2,849 µg/L. VOCs were not detected in the samples collected from Flushmount, MW-15D, MW-8S, and VEW-2. The Flushmount well and MW-15D represent two of the three deep wells on site (depth greater than 40 feet). The maximum concentration of TVOCs was observed in the sample collected from well ASW, located in the former source area. Figure 4B is an isoconcentration map of TVOC concentrations reported for the shallow wells (less than 15 feet deep) from the March 2010 sampling event. Provided for comparison are Figure 4 and Figure 4A which display TVOC isoconcentrations from the November 2008 and August 2007 sampling events, respectively.

Wells K-3, K-2, MW-15S, MW-8D, VEW-3, and VEW-4 were reported to contain concentrations of individual VOCs that did not exceed AWQS. Well K-3 is reported to contain Chloromethane at a concentration of 4.8 µg/L, and no other compounds were detected above method detection limits. Well MW-8D is reported to contain Chloromethane at a concentration of 3.1 µg/L, and no other compounds were detected above method detection limits. The results of the August 2007 and November 2008 sampling event for wells K-3, and MW-8D were reported to be below the method detection limits for VOCs. TVOC concentrations in wells K-2, MW-15S, VEW-3 and VEW-4 have all decreased by an order of magnitude since the November 2008 sampling event. VEW-3 and VEW-4, located east of ASW, were reported to contain concentrations of TVOCs at levels of 11 µg/L, and 16 µg/L, respectively compared to 679 µg/L and 688 µg/L during the previous event.

The highest concentrations of VOCs, significantly above AWQS, were found in the former source area wells VEW-1 and ASW. ASW, the former air sparging well, showed the highest concentration of TVOCs at 2,849 µg/L. VEW-1, located northwest of ASW, contained 966 µg/L TVOCs.

During the previous sampling event, November 2008, well MW-8S was reported to contain a TVOC concentration of 242 µg/L, indicating that contamination above AWQS remains in the shallow aquifer

offsite. AECOM observed that MW-8S, a flushmount well, was submerged below ponded water at the time that the sampling event was conducted. Upon opening the flushmount cover to access well MW-8S during the November 2008 sampling event it was apparent that surface water had and was flowing into the well, which was lacking a cap (this condition has since been corrected). Although the well was properly purged before sampling, the VOC concentrations reported by the laboratory in November 2008 may not have been representative of actual groundwater conditions. During the March 2010 sampling event the area surrounding the well was dry and there was no evidence of surface water infiltrating the well, the data indicated that TVOC concentrations did not exceed the detection limit.

Chart 1 shows that four wells (ASW, VEW-1, VEW-3 and VEW-4) reported substantially lower TVOC concentrations, a decrease of at least 500 µg/L, in the March 2010 sampling event compared to the November 2008 results. Wells MW-8S, K-2, and MW-15S also showed a significant reduction in TVOC decreasing by at least 100 µg/L.

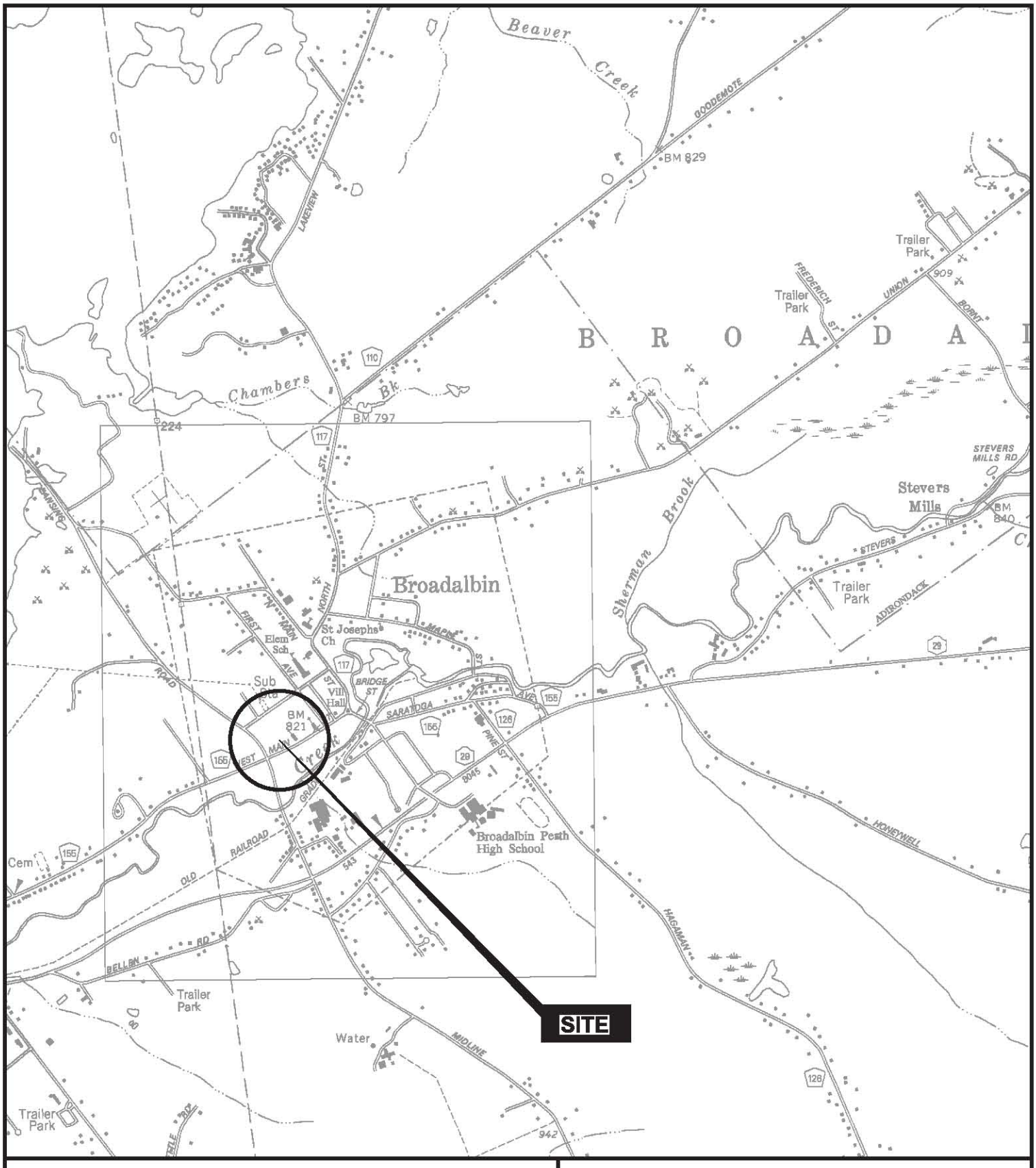
4.0 CONCLUSIONS

Review of the March 2010 shallow groundwater data demonstrates that groundwater contamination at the Korkay Inc. site persists in some of the same areas as discussed in the RI report, primarily beneath the southwestern quadrant of the site. The concentrations of TVOCs have decreased substantially since the rebound in concentrations reported in 2008. Although the trend of TVOC concentration is decreasing the concentrations remain well over the AWQS.

The concentrations of VOCs in the deep wells and in the western portion of the site have remained similar to past reported values; however, some significant decreases in concentrations are noted in the source area SVE/AS wells (i.e., ASW, VEW-1, VEW-3, and VEW-4).

The deep wells at the site continue to show little to no evidence of groundwater contamination, most likely a result of the confining clay layer found at approximately 12 to 14 feet below grade. A review of boring logs from the RI report and the soil borings completed by AECOM for the RSO in August 2007 suggests that this clay layer may be continuous beneath the site, and may extend offsite as well.

This was the third groundwater sampling event at the Korkay Site scheduled to occur under this Work Assignment. AECOM recommends continued sampling on a 5-quarter basis to monitor any offsite migration of the plume.



MAP REFERENCE: NYSDOT 7.5 MIN. QUADRANGLE
BROADALBIN SERIES

PLAN

NORTH

Scale in Feet

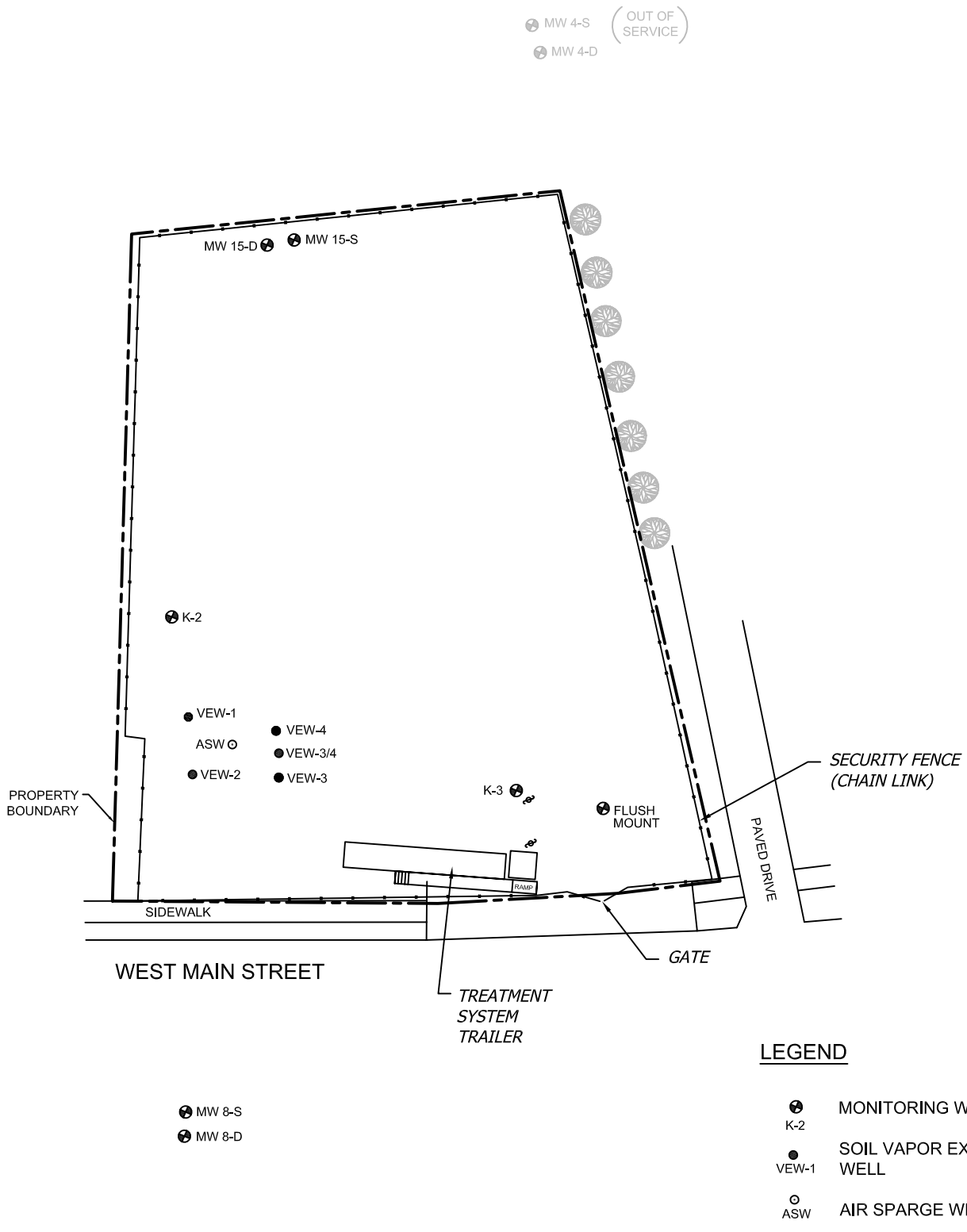
0 1000' 2000'

AECOM

FIGURE 1

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

DATE: MAY 2010 | PROJECT NO.: 60135841



PLAN

GENERAL MAPPING REFERENCE, MAPPING SHOWN COMPILED FROM THE FOLLOWING :

1. PLAN TITLED "EXISTING SITE PLAN" FIGURE 1-2.

2. PLAN TITLED" TREATMENT SYSTEM LAYOUT AND PRE-STARTUP SOIL BORING LOCATIONS" SITE LAYOUT, FIGURE 4-1, BY CAMP DRESSER & McKEE.

3. SUB-METER GPS SURVEY PERFORMED BY EARTH TECH, NOVEMBER 2007.

AECOM

NORTH

Scale in Feet

0 25' 50'

FIGURE 2

SITE LAYOUT MAP

NYSDEC SITE ID: 5-18-014

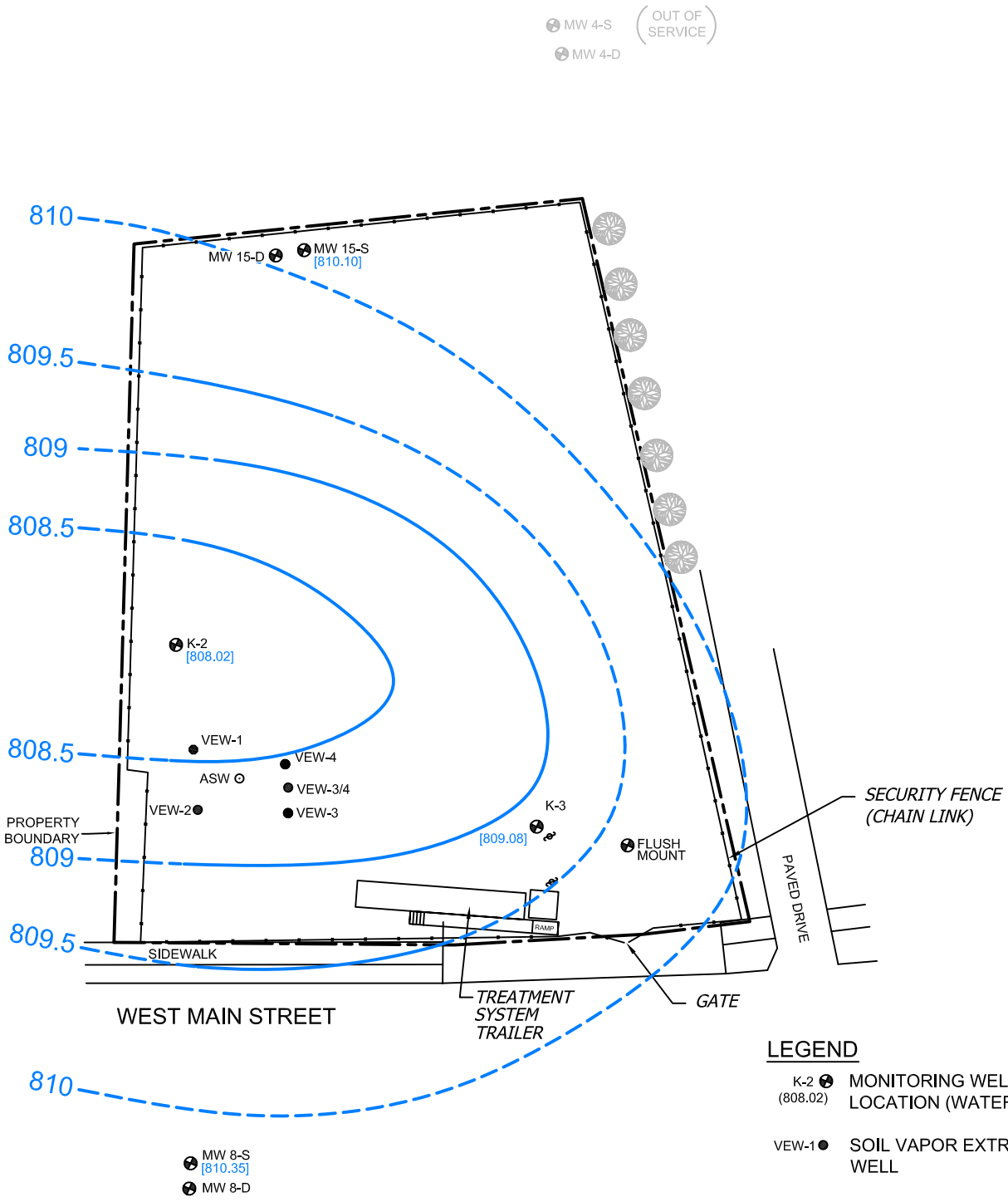
KORKAY INC.

70 WEST MAIN STREET

BROADALBIN, NEW YORK

DATE: MAY 2010

PROJECT NO.: 60135841



LEGEND

- K-2 (808.02) — MONITORING WELL LOCATION (WATER TABLE ELEVATION)
- VEW-1 — SOIL VAPOR EXTRACTION WELL
- ASW — AIR SPARGE WELL
- GROUNDWATER CONTOUR (DASHED WHERE INFERRED)

NOTE

1. ELEVATIONS ARE RELATIVE TO MSL.

NOTE:
FOR MAP REFERENCE INFORMATION SEE FIGURE 2 "SITE LAYOUT"

PLAN

NORTH

Scale in Feet

0 25' 50'

FIGURE 3

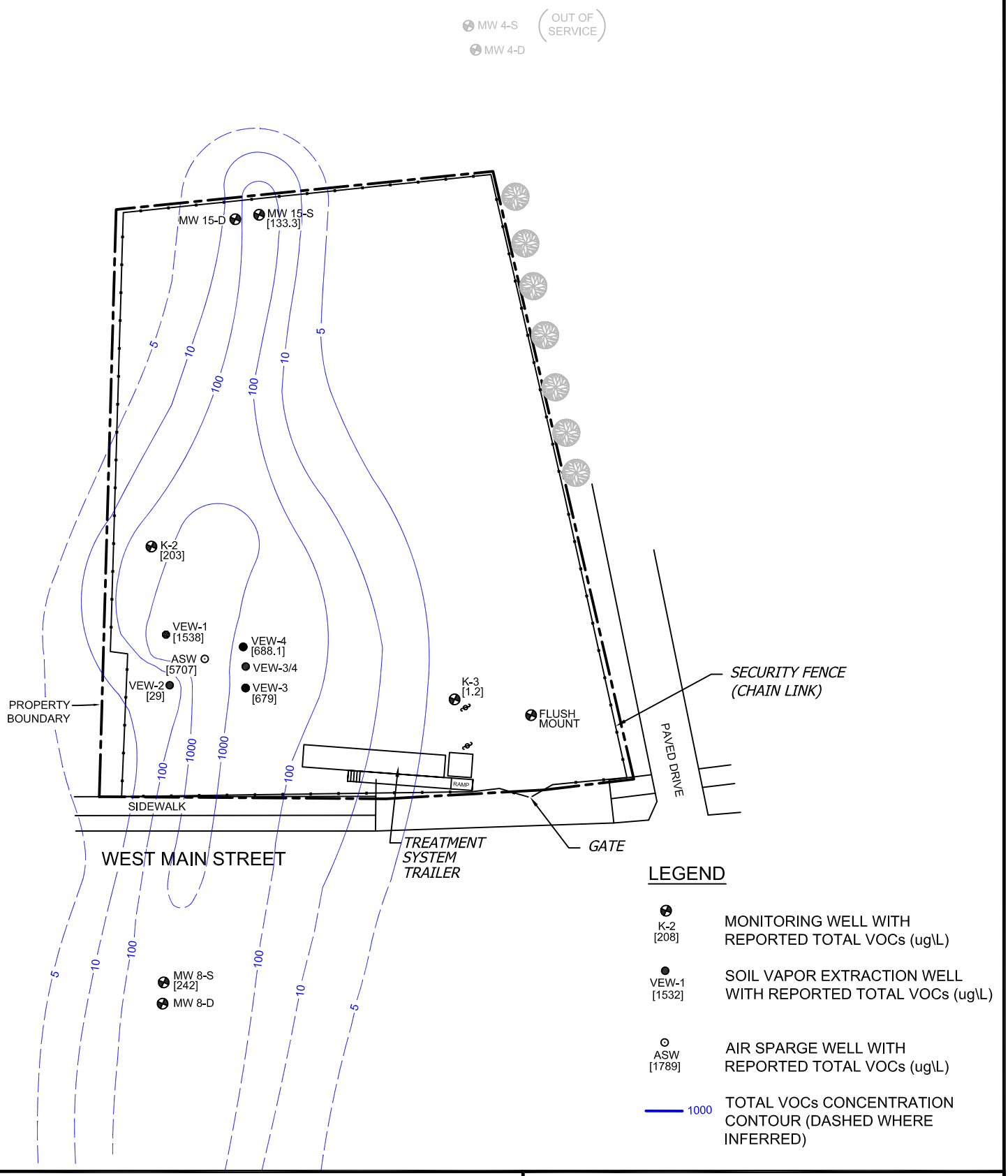
GROUNDWATER CONTOUR MAP

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MAY 2010

PROJECT NO.: 60135841



NOTE:
FOR MAP REFERENCE INFORMATION SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

AECOM

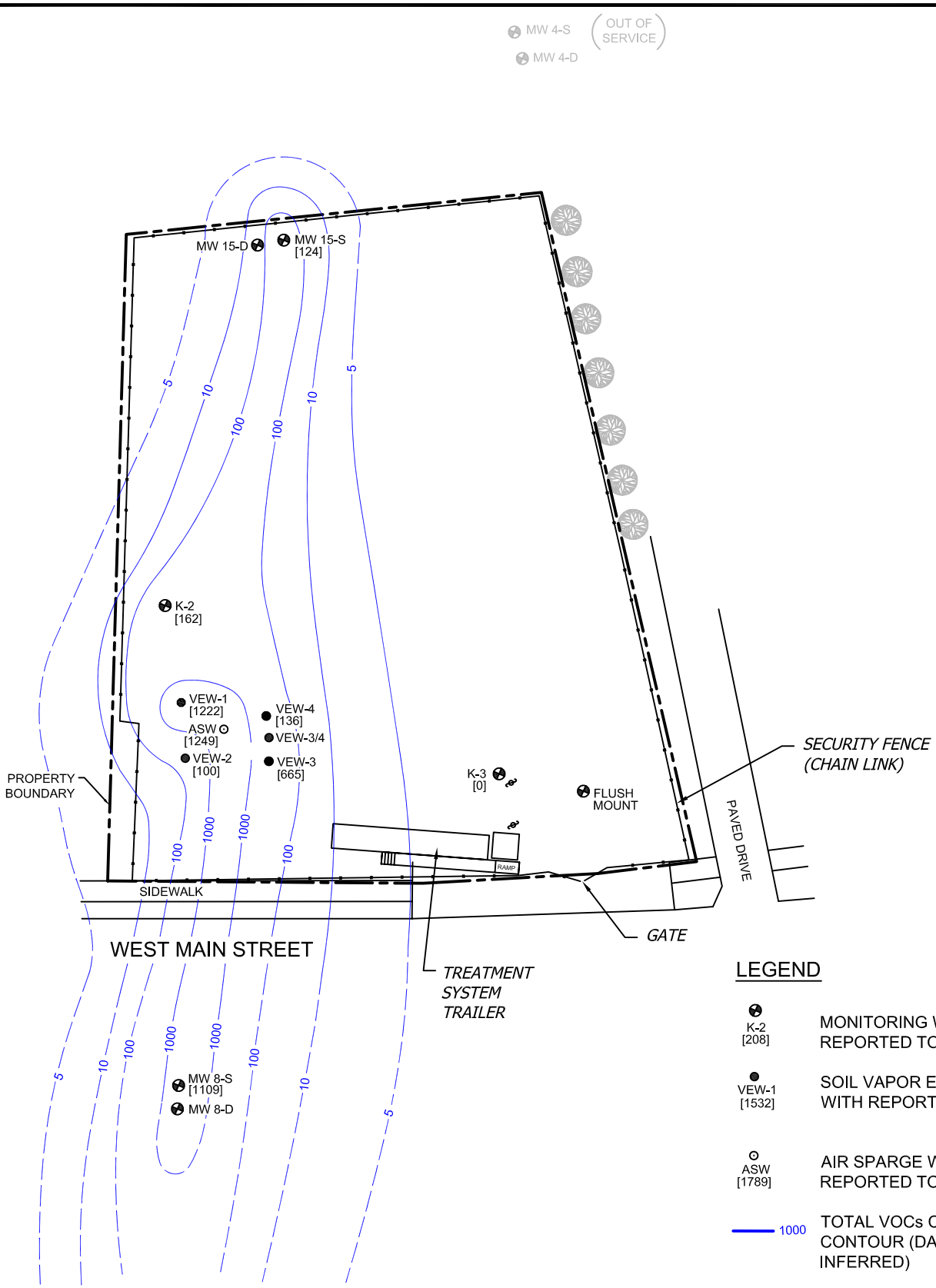
FIGURE 4

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
NOVEMBER 25, 2008
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MAY 2010	PROJECT NO.: 60135841



NOTE:
FOR MAP REFERENCE INFORMATION SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

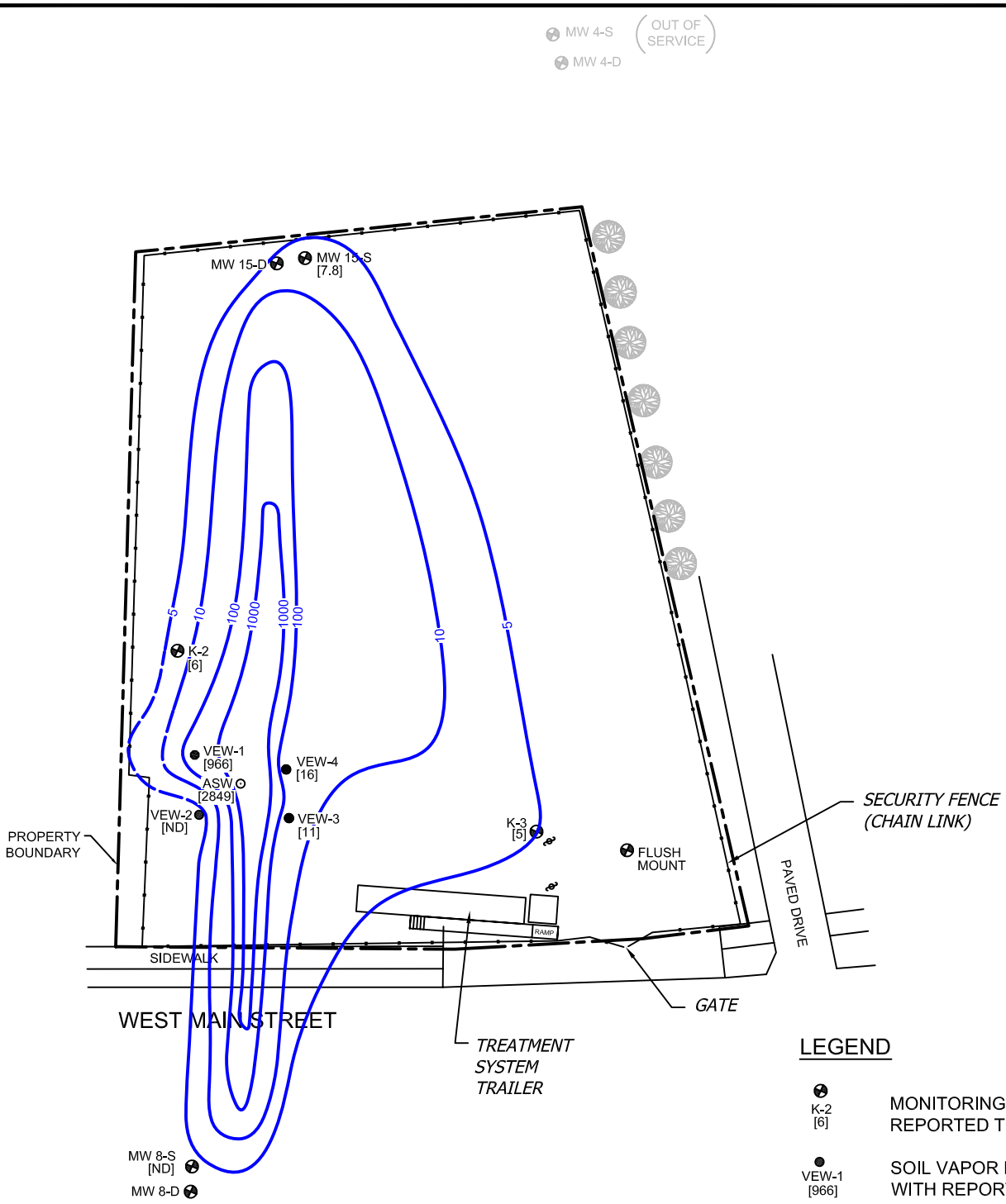
FIGURE 4A

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
AUGUST 14, 2007
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MAY 2010 | PROJECT NO.: 60135841



LEGEND

- K-2 [6] — MONITORING WELL WITH REPORTED TOTAL VOCs (ug\L)
- VEW-1 [966] — SOIL VAPOR EXTRACTION WELL WITH REPORTED TOTAL VOCs (ug\L)
- ASW [2849] — AIR SPARGE WELL WITH REPORTED TOTAL VOCs (ug\L)
- 1000 — TOTAL VOCs CONCENTRATION CONTOUR (DASHED WHERE INFERRED)

NOTE:
FOR MAP REFERENCE INFORMATION SEE FIGURE 1-2 "SITE LAYOUT".

PLAN

NORTH

Scale in Feet

0 25' 50'

AECOM

FIGURE 4B

TOTAL VOC
ISOCONCENTRATION MAP - SHALLOW AQUIFER
MARCH 25, 2010
NYSDEC SITE ID: 5-18-014

KORKAY INC.

70 WEST MAIN STREET
BROADALBIN, NEW YORK

DATE: MAY 2010 | PROJECT NO.: 60135841

Table 1
Water Level Measurements
Korkay Inc.
Broadalbin, New York
Site #5-18-014

WELL ID	TOP OF CASING ELEVATION * (ft)	WELL DEPTH (ft)	Depth to Water (ft) 3/25/10	Elevation (ft)** 3/25/10
ASW	NA	13.55	5.87	NA
Flushmount	819.04	54.48	30.92	788.12
K-2	818.72	13.82	10.70	808.02
K-3	817.73	12.60	8.65	809.08
MW-15D	817.87	43.94	28.10	789.77
MW-15S	817.74	12.58	7.64	810.10
MW-8D	815.16	54.25	27.81	787.35
MW-8S	815.19	10.82	4.84	810.35
VEW-1	NA	9.70	6.71	NA
VEW-2	NA	10.89	6.71	NA
VEW-3	NA	10.72	10.24	NA
VEW-4	NA	10.87	7.76	NA

* From the August 1995 Final Phase II RI Report by Camp, Dresser & McKee.
** Water table is contoured in Figure 3.
NA - not available

Table 2

Groundwater Analytical Data
Korkay, Inc.
Broadalbin, New York
Site #5-18-014

Sampling Dates:
August 2007 to May 2010

		ASW						FLUSHMOUNT						MW-K2										MW-K3						MW-15D						MW-15S					
Volatile Organic Compounds (µg/L)	**AWQS OR GV***	**8/14/07**		**11/25/08**		**3/25/10**		**8/14/07**		**11/25/08**		**3/25/10**		**8/14/07**			**11/25/08**		**3/25/10**			**8/14/07**		**11/25/08**		**3/25/10**			**8/14/07**		**11/25/08**		**3/25/10**			**8/14/07**		**11/25/08**		**3/25/10**		
1,1,1-Trichloroethane	5	5	U	25	U	25	U	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
1,2,4-Trimethylbenzene	5	**130**	**D**	**1100**	**D**	**860**		5	U	5	U	5	U	**60**		**60***		**81**		**2.5**	**J**	5	U	5	U	5	U	5	U	5	U	**45**		**29**		**1.1**	**J**	**2.3***	**J**
1,2-Dichlorobenzene	3	**24**		**34**		**26**		5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
1,3,5-Trimethylbenzene	5	**31**	**D**	**360**		**280**		5	U	5	U	5	U	**3**	**J**	3*	U	**8.4**		5	U	5	U	5	U	5	U	5	U	5	U	**36**		**25**		5	U	5*	U
1,4-Dichlorobenzene	3	**3**	**J**	25	U	25	U	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
2-Butanone	NS	**14**		**13**	**J**	25	U	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
4-Isopropyltoluene	5	**39**		**61**		25	U	5	U	5	U	5	U	**2**	**J**	**2***	**J**	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**11**		**32**		**4.6**	**J**	5*	U
Acetone	50 (GV)	5	U	25	U	25	U	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
Carbon Disulfide	60 (GV)	5	U	25	U	25	U	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
Chloroethane	5	5	U	25	U	25	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1**	**J**	5	U
Chloromethane	NS	5	U	25	U	25	U	5	U	5	U	5	U	5	U	5	U			**2.5**	**J**	5	U	5	U	**4.8**	**J**	5	U	5	U	5	U	5	U	5	U	5	U	**4.4**	**J**
cis-1,2-Dichloroethene	5	**53**		**72**		**24**	**J**	5	U	5	U	5	U	**4**	**J**	**4***	**J**	**6.2**		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
Ethylbenzene	5	**65**	**D**	**430**		**150**		5	U	5	U	5	U	**12**		**13***		**9.3**		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
Isopropylbenzene	5	**49**		**86**		**50**		5	U	5	U	5	U	**4**	**J**	**4***	**J**	**5.7**		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
m,p-Xylene	5	**320**	**D**	**2100**	**D**	**710**		5	U	5	U	5	U	**16**		**16***		**14**		5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
n-Butylbenzene	5	**60**		**91**		**73**		5	U	5	U	5	U	**8**		**8***		**23**		**1.3**	**J**	5	U	5	U	5	U	5	U	5	U	**8**		**24**		**3.5**	**J**	**1.1***	**J**
n-Propylbenzene	5	**74**		**120**		**87**		5	U	5	U	5	U	**4**	**J**	**4***	**J**	**13**		5	U	5	U	5	U	5	U	5	U	5	U	5	U	**2.6**	**J**	5	U	5*	U
Naphthalene	10 (GV)	**130**		**160**		**100**		5	U	5	U	5	U	**10**	**B**	**8***	**B**	**5.4**		5	U	5	U	5	U	5	U	5	U	5	U	**1**	**J**	5	U	5	U	5*	U
o-Xylene	5	**210**	**D**	**1000**	**D**	**430**		5	U	5	U	5	U	**30**		**30***		**17**		5	U	5	U	5	U	5	U	5	U	5	U	**3**	**J**	5	U	5	U	5*	U
sec-Butylbenzene	5	**28**		**46**		**37**		5	U	5	U	5	U	**6**		**6***		**18**		5	U	5	U	5	U	5	U	5	U	5	U	**5**		**18**		**2.8**	**J**	5*	U
tert- Butylbenzene	5	5	U	25	U	25	U	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**1.4**	**J**	5	U	5*	U
Tetrachloroethene	5	5	U	25	U	25	U	5	U	5	U	5	U	**2**	**JB**	**2***	**JB**	**1.5**	**J**	5	U	5	U	**1.2**	**J**	5	U	5	U	5	U	**2**	**J**	5	U	5	U	5*	U
Toluene	5	**19**		**26**		**22**	**J**	5	U	5	U	5	U	5	U	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	**13**		**1.3**	**J**	5	U	5*	U
Trichloroethene	5	5	U	**8.2**	**JB**	25	U	5	U	5	U	5	U	**1**	**J**	5*	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5*	U
Xylene (Total)	NS	530	D	3100	D	1100		5	U	5	U	5	U	46		46*		31		5	U	5	U	5	U	5	U	5	U	5	U	3	J	5	U	5	U	5	U	5*	U
Total Volatile Organic Compounds		**1249**	**DJ**	**5707**	**DJB**	**2849**	**J**	**ND**		**ND**		**ND**		**162**	**JB**	**157**	**JB**	**203**	**J**	**6**	**J**	**ND**		**1.2**	**J**	**5**	**J**	**ND**		**ND**		**ND**		**124**	**J**	**133.3**	**J**	**13**	**J**	**7.8**	**J**
Semivolatile Organic Compounds (µg/L)																																									
1,2-Dichlorobenzene	3	**19**	**J**	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
1,4-Dichlorobenzene	3	**2**	**J**	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
2,4-Dimethylphenol	1	20	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
2-Methylnaphthalene	NS	**50**		NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
2-Methylphenol	NS	20	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
4-Methylphenol	NS	**170**		NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
bis (2-Ethylhexyl) phthalate	5	**2**	**J**	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		**2**	J	NA		NA		**2**	J	NA		NA		NA	
Di-n-butylphthalate	50	**4**	**J**	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
Naphthalene	10 (GV)	**110**		NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		**1**	J	NA		NA		NA	
Phenol	1	20	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA		10	U	NA		NA		10	U	NA		NA		10	U	NA		NA		NA	
Metals µg/L																																									
Copper	200	6.3	U	NA		NA		**19.1**	**B**	NA		NA		**54.8**		NA		NA		NA		**8.6**	**B**	NA		NA		**19.8**	**B**	NA		NA		**10.4**	**B**	NA		NA		NA	
Iron	300	**75100**		NA		NA		**33000**		NA		NA		**28500**		NA		NA		NA		**9600**		NA		NA		**396**		NA		NA		**8870**		NA		NA		NA	
Manganese	300	**2260**		NA		NA		**620**		NA		NA		**709**		NA		NA		NA		**1090**		NA		NA		**26.9**	**B**	NA		NA		**155**		NA		NA		NA	
Dissolved Metals µg/L																																									
Copper	200	6.3	U	NA		NA		6.3	U	NA		NA		6.3	U	NA		NA		NA		6.3	U	NA		NA		6.3	U	NA		NA		6.3	U	NA		NA		NA	
Iron	300	**46800**		NA		NA		**159**	**B**	NA		NA		**5680**		NA		NA		NA		**380**		NA		NA		**174**	**B**	NA		NA		**5910**		NA		NA		NA	
Manganese	300	**2080**		NA		NA		**2.3**	**B**	NA		NA		**550**		NA		NA		NA		**20.3**	**B**	NA		NA		**10.6**	**B**	NA		NA		**144**		NA		NA		NA	
Wet Chemistry mg/L																																									
Chloride	250	**2.6**		NA		NA		**2.1**		NA		NA		2	U	NA		NA		NA		2	U	NA		NA		2	U	NA		NA		**13**		NA		NA		NA	
Total Organic Carbon	NS	**49**		NA		NA		10.0	U	NA		NA		**21.0**		NA		NA		NA		10	U	NA		NA		10	U	NA		NA		**13**		NA		NA		NA	
Alkalinity (Total)	NS	**250**		NA		NA		**300**		NA		NA		**180**		NA		NA		NA		**160**		NA		NA		**80**		NA		NA		**80**		NA		NA		NA	
TKN-N	NS	**3.1**		NA		NA		**2.3**		NA		NA		**2.4**		NA		NA		NA		**1.1**		NA		NA		**0.69**		NA		NA		**3.5**		NA		NA		NA	

Note - Total VOC values for the August 2007 sampling event were incorrectly calculated in that report's Table 2 (xylenes were double-counted). They have been corrected here. Consequently, Figure 4 in the 2007 report, which contoured those values, was incorrect as well.
Figure 4A in this report corrects the 2007 errors.

B - For organic analyses - compound detected in laboratory method blank. For inorganic analyses - indicates trace concentration below reporting limit and equal to or above the detection limit.
U - Compound analyzed for but not detected.
J - Estimated concentration for compound detected below the reporting limit.
D - Reported concentration was obtained from a diluted analysis.
* - Duplicate Sample
** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.
NS - no standard or Guidance Value
BOLD font indicates detected concentrations.
Shaded cells indicate exceedances of AWQS+GV.
NA - Not Analyzed

Table 2

Groundwater Analytical Data
Korkay, Inc.
Broadalbin, New York
Site #5-18-014

Sampling Dates:
August 2007 to May 2010

Volatile Organic Compounds (µg/L)	AWQS OR GV**	MW-8D			MW-8S			VEW-1			VEW-2			VEW-3			VEW-4		
		8/14/07	11/25/08	3/25/10	8/14/07	11/25/08	3/25/10	8/14/07	11/25/08	3/25/10	8/14/07	11/25/08	3/25/10	8/14/07	11/25/08	3/25/10	8/14/07	11/25/08	3/25/10
1,1,1-Trichloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	13 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trimethylbenzene	5	5 U	1.6 J	5 U	430 D	89	5 U	230 D	410 D	220	22	9.8	5 U	130	130	2 J	12	170	3.1 J
1,2-Dichlorobenzene	3	5 U	5 U	5 U	26	5.6	5 U	23	34	19	1 J	1.2 J	5 U	30	25	5 U	2 J	16	5 U
1,3,5-Trimethylbenzene	5	5 U	5 U	5 U	97	36	5 U	230 D	410 D	200	1 J	5 U	5 U	110	110	1.8 J	6	100	2.1 J
1,4-Dichlorobenzene	3	5 U	5 U	5 U	3 J	5 U	5 U	1 J	2.3 J	13 U	5 U	5 U	5 U	1.0 J	5 U	5 U	5 U	1 J	5 U
2-Butanone	NS	5 U	5 U	5 U	5 U	5 U	5 U	13	17	13 U	5 U	5 U	5 U	9	11	5 U	5 U	8.1	5 U
4-Isopropyltoluene	5	5 U	5 U	5 U	20	5 U	5 U	36	5 U	59	5 U	5 U	5 U	12	12	5 U	5 U	5 U	5 U
Acetone	50 (GV)	5 U	5 U	5 U	5 U	5 U	5 U	10	34	13 U	5 U	5 U	5 U	5 U	5 U	5 U	70	8.8	5 U
Carbon Disulfide	60 (GV)	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	13 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	NS	5 U	5 U	3.1 J	5 U	5 U	5 U	5 U	5 U	6.7 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6.1
cis-1,2-Dichloroethene	5	5 U	5 U	5 U	9	1.3 J	5 U	130	84	39	39	4.6 J	5 U	4 J	2.6 J	5 U	2 J	3.5 J	5 U
Ethylbenzene	5	5 U	5 U	5 U	57	11	5 U	29	54	28	5	1.6 J	5 U	32	38	5 U	5 U	17	5 U
Isopropylbenzene	5	5 U	5 U	5 U	27	9.6	5 U	11	23	12 J	5 U	5 U	5 U	6	6.9	5 U	5 U	4.5 J	5 U
m,p-Xylene	5	5 U	5 U	5 U	160	28	5 U	49	100	51	5	1.8 J	5 U	120	150	2.9 J	4 J	84	1.5 J
n-Butylbenzene	5	5 U	5 U	5 U	45	12	5 U	54	5 U	47	5 U	5 U	5 U	17	15	5 U	5 U	14	5 U
n-Propylbenzene	5	5 U	5 U	5 U	34	14	5 U	14	30	19	1 J	1.1 J	5 U	7	8.9	5 U	5 U	3.3 J	5 U
Naphthalene	10 (GV)	5 U	1.2 J	5 U	58	10	5 U	110 B	5 U	78	6 B	4.4 J	5 U	70	45	1.8 J	18	60	5 U
o-Xylene	5	5 U	5 U	5 U	120	19	5 U	250 D	330 D	160	17	4.5 J	5 U	110	110	2.1 J	20	180	2.5 J
sec-Butylbenzene	5	5 U	5 U	5 U	22	6.8	5 U	17	5 U	19	5 U	5 U	5 U	4 J	5.1	5 U	5 U	4.1 J	5 U
tert- Butylbenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	4 J	5 U	13 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	2 JB	1.7 J	13 U	5 U	5 U	5 U	1 J	1.2 J	5 U	5 U	3 J	5 U
Toluene	5	5 U	5 U	5 U	1 J	5 U	5 U	4 J	4.4 J	3.4 J	3 J	5 U	5 U	5 U	7.9	5 U	2 J	7.8	5 U
Trichloroethene	5	5 U	5 U	5 U	5 U	5 U	5 U	2 J	3.1 J	13 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	1 J
Xylene (Total)	NS	5 U	5 U	5 U	280	47	5 U	299 D	420	220	22	6.3	5 U	230	260	5	24	270	4 J
Total Volatile Organic Compounds		ND	2.8 J	3 J	1109 DJ	242 J	ND	1222 DJB	1543 DJ	966 J	100 BJ	29 J	ND	665 J	679 J	11 J	136 J	688.1 J	16 J
Semivolatile Organic Compounds (µg/L)																			
1,2-Dichlorobenzene	3	10 U	NA	NA	21	NA	NA	25	NA	NA	1 J	NA	NA	21	NA	NA	5 J	NA	NA
1,4-Dichlorobenzene	3	10 U	NA	NA	2 J	NA	NA	2 J	NA	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA	NA
2,4-Dimethylphenol	1	10 U	NA	NA	10 U	NA	NA	10 U	NA	NA	4 J	NA	NA	10 U	NA	NA	9 J	NA	NA
2-Methylnaphthalene	NS	10 U	NA	NA	7 J	NA	NA	24	NA	NA	10 U	NA	NA	2 J	NA	NA	1 J	NA	NA
2-Methylphenol	NS	10 U	NA	NA	10 U	NA	NA	10 U	NA	NA	6 J	NA	NA	10 U	NA	NA	20	NA	NA
4-Methylphenol	NS	10 U	NA	NA	14	NA	NA	56	NA	NA	3 J	NA	NA	10 U	NA	NA	110	NA	NA
bis (2-Ethylhexyl) phthalate	5	2 J	NA	NA	2 J	NA	NA	1 J	NA	NA	1 J	NA	NA	1 J	NA	NA	2 J	NA	NA
Di-n-butylphthalate	50	10 U	NA	NA	1 J	NA	NA	15	NA	NA	10 U	NA	NA	1 J	NA	NA	1 J	NA	NA
Naphthalene	10 (GV)	10 U	NA	NA	48	NA	NA	110	NA	NA	2 J	NA	NA	31	NA	NA	23	NA	NA
Phenol	1	10 U	NA	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA	NA	10 U	NA	NA	20	NA	NA
Metals µg/L																			
Copper	200	18.6 B	NA	NA	24.5 B	NA	NA	9.6 B	NA	NA	6.3 U	NA	NA	7.5 B	NA	NA	54.5	NA	NA
Iron	300	10300	NA	NA	20800	NA	NA	18300	NA	NA	9020	NA	NA	5990	NA	NA	20900	NA	NA
Manganese	300	259	NA	NA	879	NA	NA	559	NA	NA	582	NA	NA	413	NA	NA	1020	NA	NA
Dissolved Metals µg/L																			
Copper	200	6.3 U	NA	NA	6.3 U	NA	NA	6.3 U	NA	NA	6.3 U	NA	NA	6.3 U	NA	NA	6.3 U	NA	NA
Iron	300	167 B	NA	NA	9030	NA	NA	5590	NA	NA	866	NA	NA	642	NA	NA	1010	NA	NA
Manganese	300	4.4 B	NA	NA	765	NA	NA	499	NA	NA	550	NA	NA	351	NA	NA	843	NA	NA
Wet Chemistry mg/L																			
Chloride	250	41	NA	NA	38	NA	NA	2 U	NA	NA	2 U	NA	NA	3.1	NA	NA	5.6	NA	NA
Total Organic Carbon	NS	10.0 U	NA	NA	17	NA	NA	35	NA	NA	28	NA	NA	34	NA	NA	87	NA	NA
Alkalinity (Total)	NS	62	NA	NA	230	NA	NA	160	NA	NA	240	NA	NA	370	NA	NA	410	NA	NA
TKN-N	NS	0.62	NA	NA	1.7	NA	NA	11	NA	NA	3.6	NA	NA	2.0	NA	NA	12	NA	NA

Note - Total VOC values for the August 2007 sampling event were incorrectly calculated in that report's Table 2 (xylenes were double-counted). They have been corrected here. Consequently, Figure 4 in the 2007 report, which contoured those values, was incorrect as well. Figure 4A in this report corrects the 2007 errors.

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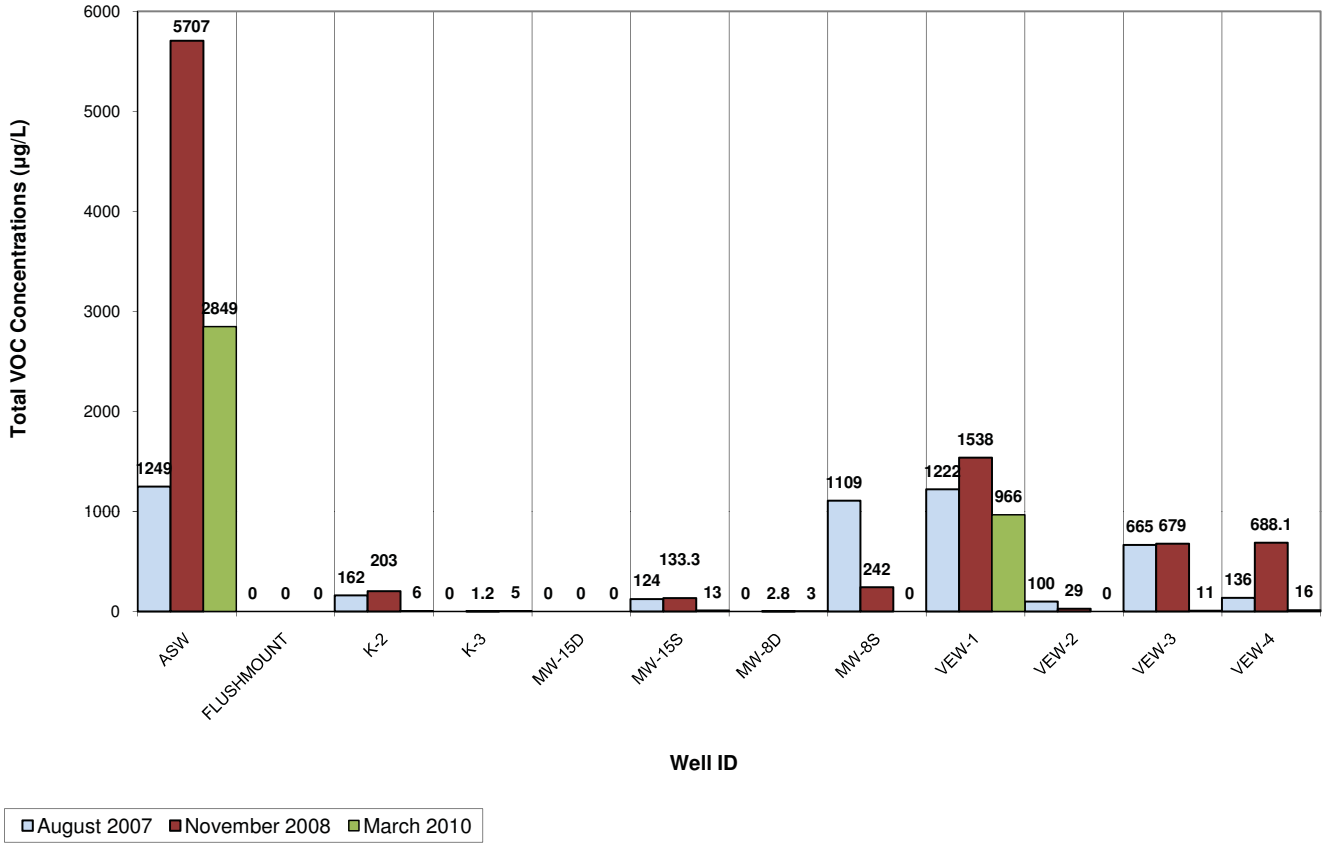
** New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.
NS - no standard or Guidance Value
BOLD font indicates detected concentrations.
Shaded cells indicate exceedances of AWQS+GV.
NA - Not Analyzed

Chart 1
Total VOC Concentrations in Groundwater
August 2007, November 2008, and March 2010

Korkay, Inc.
Broadalbin, New York
Site #5-18-014



Appendix A
Monitoring Well Field Inspection Logs

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: K-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X - 1538989.887 NYTM Y - 572203.821
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **K-2 (side and top)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Square Stickup - 2.5'
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	X	
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	13.82'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.70'
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/150'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, approximately 10' from a fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, but other than that it is located adjacent to a private residence and could be affected by runoff from the property, especially the driveway. There is also a swimming pool located nearby.

REMARKS:

The lock had to be cut to gain access to the well. The lock needs to be replaced.

See attached photograph of monitoring well.

Sketch


K-2

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: K-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X - 1538989.887 NYTM Y - 572203.821
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **K-3 (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Square Stickup - 2.5'
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	12.6
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.65
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Sharpie ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Well is located in a field, approximately 25' from a fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
The site in general is a source of contamination.

REMARKS:
See attached photograph of monitoring well.

Sketch


W-K-3

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: MW-15S

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____ unable to obtain

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **MW-15S (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Square Stickup - 2.5'
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	X	
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	12.58'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	7.64'
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, approximately 5' from a fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination.

REMARKS:

See attached photograph of monitoring well.

The lock had to be cut to gain access to the well. The lock needs to be replaced.

Sketch


MW-5S
THE EMPIRE STATE
ELECTRICIANS
CARPENTERS

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: MW-15D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____ not able to obtain

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **MW-15D (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Square Stickup - 2.5'
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	X	
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	43.94
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	28.1
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, approximately 5' from a fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination.

REMARKS:

See attached photograph of monitoring well.

The lock had to be cut to gain access to the well. The lock needs to be replaced.

Sketch

E3-UP

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: MW-8S

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y unable to obtain

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: not visible

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.82'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	4.84'
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	none
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/20'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible in private residence's driveway, overhead powerlines approximately 20' away

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a private residence's driveway.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, could be affected by runoff from the road

REMARKS:

See attached photograph of monitoring well.

Sketch

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: MW-8D

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____ unable to obtain

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: not visible

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	54.25
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	27.81'
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	none
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/20'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible in private residence's driveway, overhead powerlines approximately 20' away

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a private residence's driveway.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, could be affected by runoff from the road

REMARKS:

See attached photograph of monitoring well.

Sketch


Solinst
Water Level Meter
EEE-6971

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: ASW

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 572238.7930 NYTM Y 1538959.4600

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **ASW (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	PVC Stickup - 2.0'
PROTECTIVE CASING MATERIAL TYPE:	PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	2"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	13.55
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	5.87
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, combination groundwater monitoring well and vapor extraction well.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, but other than that it is located adjacent to a private residence and could be affected by runoff from the property, especially the driveway. There is also a swimming pool located nearby.

REMARKS:

See attached photograph of monitoring well.

Sketch


ASW

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: VEW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 572221.9210 NYTM Y 1538961.9640

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **VEW-1 (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	PVC Stickup - 2.0'
PROTECTIVE CASING MATERIAL TYPE:	PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	2"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.65'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.71
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, combination groundwater monitoring well and vapor extraction well.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, but other than that it is located adjacent to a private residence and could be affected by runoff from the property, especially the driveway. There is also a swimming pool located nearby.

REMARKS:

See attached photograph of monitoring well.

Sketch

VEW-1

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: VEW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 572230.7420 NYTM Y 1538945.2240

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **VEW-2 (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	PVC Stickup - 2.0'
PROTECTIVE CASING MATERIAL TYPE:	PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	2"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.89'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	6.71
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, combination groundwater monitoring well and vapor extraction well.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, but other than that it is located adjacent to a private residence and could be affected by runoff from the property, especially the driveway. There is also a swimming pool located nearby.

REMARKS:

See attached photograph of monitoring well.

Sketch

VEW-2

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: VEW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 572257.0740 NYTM Y 1538955.6520

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **VEW-3 (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	PVC Stickup - 2.0'
PROTECTIVE CASING MATERIAL TYPE:	PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	2"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.72'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	10.24'
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, combination groundwater monitoring well and vapor extraction well.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, but other than that it is located adjacent to a private residence and could be affected by runoff from the property, especially the driveway. There is also a swimming pool located nearby.

REMARKS:

See attached photograph of monitoring well.

Sketch

VEW-3

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 3/25/10
WEll ID.: VEW-4

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 572250.1120 NYTM Y 1538955.6520

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **VEW-4 (side)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	PVC Stickup - 2.0'
PROTECTIVE CASING MATERIAL TYPE:	PVC
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	2"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	10.87'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	7.76
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Well is located in a field, combination groundwater monitoring well and vapor extraction well.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

The site in general is a source of contamination, but other than that it is located adjacent to a private residence and could be affected by runoff from the property, especially the driveway. There is also a swimming pool located nearby.

REMARKS:

See attached photograph of monitoring well.

Sketch


VEW-4

SITE NAME: Korkay, Inc. Site

SITE ID.: Korkay
INSPECTOR: MJH
DATE/TIME: 3/25/10
WEll ID.: FLUSHMOUNT

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X - 1538989.887 NYTM Y - 572203.821
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: **FLUSHMOUNT (top)**

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	Not Collected
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Flushmount
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	54.48
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	30.92
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	Paint ID
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA/100'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Well is easily accessible.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Well is located in a field, approximately 25' from a fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
The site in general is a source of contamination.

REMARKS:
See attached photograph of monitoring well.

Sketch


MONITORING WELL
MORRISON
DUBUQUE

Appendix B

Field Observation Logs

Groundwater Sampling Records

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: VEW-3 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: VEW-3 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	10.72	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	10.24	feet
C = Column of Water in Casing (ft):	0.48	Column
V = Volume of Water in Well	0.08	gallons
D2 = Pump Setting Depth (ft):	10.7	feet
C2 = Column of water in Pump/Tubing (ft):	0.5	feet
V3 = Three Well Volumes	0.23	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	934	939	944	949	954	959	1004
Water Level (0.33)	Feet	10.24	NM	NM	NM	NM	NM	NM
Gallons Purged	Gal	0.00	>0.0	<0.25	0.25	>0.25	<0.5	0.50
Flow Rate	mL/min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	44.5	28.8	20.5	14.1	9.9	6.1	4.3
Dissolved Oxygen (+/-10%)	%	137.6	92.3	91.7	88.4	85.6	82.7	92.1*
Dissolved Oxygen (+/-10%)	mg/L	16.54	11.30	11.32	10.91	10.53	10.21	11.34*
Eh/ORP (+/- 10 MeV)	MeV	-63.9	4.7	9.7	21.9	41.6	35.8	40.5
Specific Conductivity	mS/cm^{c}	0.434	0.296	0.262	0.226	0.211	0.196	0.189
Conductivity (+/- 3%)	umhos/cm	0.280	0.191	0.168	0.145	0.136	0.126	0.122
pH (+/- 0.1 unit)	pH unit	7.20	6.81	6.72	6.72	6.69	6.68	6.70
Temp (+/- 0.5 C)	C	6.50	6.43	6.31	6.32	6.40	6.32	6.28
Color	Visual	Br Cloudy	Slight Cloud	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Strong/Chlor.	Strong	Chlor.	Chlor.	Chlor.	Chlor.	Chlor.

Comments: Started purge at 933
Sampled at 1004

Stabilized parameters and purged 3 well volumes

BR - Brown
SL - Slight
Chlor - Chlorinates
* YSI turned off before final reading and had to be restarted
Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: MW-8S Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: MW-8S QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	10.82	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	7.16	feet
C = Column of Water in Casing (ft):	3.66	Column
V = Volume of Water in Well	0.60	gallons
D2 = Pump Setting Depth (ft):	9.0	feet
C2 = Column of water in Pump/Tubing (ft):	1.8	feet
V3 = Three Well Volumes	1.79	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1500	1505	1510	1515	1520	1525	
Water Level (0.33)	Feet	7.16	7.26	7.26	7.24	7.25	7.25	
Gallons Purged	Gal	0.00	0.25	0.50	0.75	1.00	1.25	
Flow Rate	mL/min	300	300	200	200	200	200	
Turbidity (+/- 10%)	NTU	51.4	17.2	7.2	3.5	3.5	3.5	
Dissolved Oxygen (+/-10%)	%	109.9	98.2	91.4	89.8	91.2	90.9	
Dissolved Oxygen (+/-10%)	mg/L	13.50	12.33	11.55	11.37	11.49	11.41	
Eh/ORP (+/- 10 MeV)	MeV	73.2	70	112.9	123.8	127.7	129.9	
Specific Conductivity	mS/cm[c]	0.645	0.602	0.598	0.598	0.597	0.598	
Conductivity (+/- 3%)	umhos/cm	0.411	0.379	0.373	0.373	0.374	0.376	
pH (+/- 0.1 unit)	pH unit	8.71	8.63	8.07	7.79	7.60	7.56	
Temp (+/- 0.5 C)	C	5.93	5.62	5.30	5.27	5.48	5.54	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	Slight	Slight	None	None	None	None	

Comments: Started purge at 1500
Sampled at 1525

Stabilized parameters

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: MW-15S Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: MW-15S QA/QC Collected? DUP-1

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	12.58	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	7.64	feet
C = Column of Water in Casing (ft):	4.94	Column
V = Volume of Water in Well	0.81	gallons
D2 = Pump Setting Depth (ft):	11.5	feet
C2 = Column of water in Pump/Tubing (ft):	3.9	feet
V3 = Three Well Volumes	2.42	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1306	1311	1316	1321	1326	1331	1336
Water Level (0.33)	Feet	7.64	7.69	7.65	7.69	7.68	7.67	7.66
Gallons Purged	Gal	0.00	<0.25	0.25	>0.25	>0.25	0.50	0.75
Flow Rate	mL/min	100	100	100	100	100	100	150
Turbidity (+/- 10%)	NTU	32.1	17.4	13.5	8.0	8.9	9.7	11.2
Dissolved Oxygen (+/-10%)	%	102.7	16.4	7.8	6.2	5.7	4.6	4.0
Dissolved Oxygen (+/-10%)	mg/L	12.03	1.97	0.93	0.75	0.69	0.56	0.48
Eh/ORP (+/- 10 MeV)	MeV	-20.5	-8.3	-2.2	-5	-4.5	-6.5	-1.4
Specific Conductivity	mS/cm[c]	0.275	0.269	0.266	0.258	0.255	0.252	0.247
Conductivity (+/- 3%)	umhos/cm	0.179	0.176	0.176	0.169	0.166	0.164	0.162
pH (+/- 0.1 unit)	pH unit	6.68	6.30	6.29	6.29	6.22	6.24	6.14
Temp (+/- 0.5 C)	C	6.87	6.85	7.28	6.90	6.75	6.63	6.92
Color	Visual	Rd Cloud	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Chlor.	Chlor.	Chlor.	Chlor.	Chlor.	Chlor.	Chlor.

Comments: Started purge at 1305
Sampled at 1341

Stabilized parameters

Rd - Red Chlor - Chlorinates

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: MW-15S Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: MW-15S QA/QC Collected? DUP-1

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	12.58	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	7.64	feet
C = Column of Water in Casing (ft):	4.94	Column
V = Volume of Water in Well	0.81	gallons
D2 = Pump Setting Depth (ft):	11.5	feet
C2 = Column of water in Pump/Tubing (ft):	3.9	feet
V3 = Three Well Volumes	2.42	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1341						
Water Level (0.33)	Feet	7.66						
Gallons Purged	Gal	1.00						
Flow Rate	mL/min	150						
Turbidity (+/- 10%)	NTU	10.6						
Dissolved Oxygen (+/-10%)	%	3.2						
Dissolved Oxygen (+/-10%)	mg/L	0.28						
Eh/ORP (+/- 10 MeV)	MeV	-4.9						
Specific Conductivity	mS/cm[c]	0.247						
Conductivity (+/- 3%)	umhos/cm	0.162						
pH (+/- 0.1 unit)	pH unit	6.23						
Temp (+/- 0.5 C)	C	6.83						
Color	Visual	Clear						
Odor	Olfactory	Chlor.						

Comments: Started purge at 1305
Sampled at 1341

Stabilized parameters

Rd - Red Chlor - Chlorinates
Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: K-2 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: K-2 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	13.82	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	10.7	feet
C = Column of Water in Casing (ft):	3.12	Column
V = Volume of Water in Well	0.51	gallons
D2 = Pump Setting Depth (ft):	13.0	feet
C2 = Column of water in Pump/Tubing (ft):	2.3	feet
V3 = Three Well Volumes	1.53	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1220	1225	1230	1235	1240		
Water Level (0.33)	Feet	10.70	10.70	10.70	10.70	10.70		
Gallons Purged	Gal	0.00	0.20	0.50	1.00	1.50		
Flow Rate	mL/min	150	150	150	250	250		
Turbidity (+/- 10%)	NTU	117.0	75.0	55.0	57.3	35.8		
Dissolved Oxygen (+/-10%)	%	141.3	78.7	72.7	67.7	66.2		
Dissolved Oxygen (+/-10%)	mg/L	16.78	9.44	8.77	8.20	7.99		
Eh/ORP (+/- 10 MeV)	MeV	59.6	83.8	89	87.3	89.1		
Specific Conductivity	mS/cm[c]	0.157	0.138	0.137	0.136	0.133		
Conductivity (+/- 3%)	umhos/cm	0.104	0.091	0.090	0.089	0.086		
pH (+/- 0.1 unit)	pH unit	6.87	6.54	6.54	6.47	6.46		
Temp (+/- 0.5 C)	C	7.40	7.34	7.14	7.03	7.00		
Color	Visual	Cloudy/Clear	Clear	Clear	Clear	Clear		
Odor	Olfactory	Strong	Strong	Stong	None	None		

Comments: Started purge at 1220
Sampled at 1240

3 Well Volumes purged

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: VEW-4 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: VEW-4 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	10.87	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	10.35	feet
C = Column of Water in Casing (ft):	0.52	Column
V = Volume of Water in Well	0.08	gallons
D2 = Pump Setting Depth (ft):	10.7	feet
C2 = Column of water in Pump/Tubing (ft):	0.4	feet
V3 = Three Well Volumes	0.25	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1200	1205	1210	1215			
Water Level (0.33)	Feet	10.35	10.35	10.35	10.35			
Gallons Purged	Gal	0.00	0.10	0.20	0.30			
Flow Rate	mL/min	100	100	100	100			
Turbidity (+/- 10%)	NTU	6.0	8.0	6.8	6.3			
Dissolved Oxygen (+/-10%)	%	66.2	67.5	67.9	69.2			
Dissolved Oxygen (+/-10%)	mg/L	7.96	8.16	8.20	8.81			
Eh/ORP (+/- 10 MeV)	MeV	-39.4	12.3	17.4	20.2			
Specific Conductivity	mS/cm[c]	0.562	0.542	0.534	0.533			
Conductivity (+/- 3%)	umhos/cm	0.372	0.357	0.349	0.349			
pH (+/- 0.1 unit)	pH unit	6.58	6.51	6.52	6.51			
Temp (+/- 0.5 C)	C	7.33	7.12	7.06	7.02			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	Strong	Strong	Strong	Strong			

Comments: Started purge at 1159
Sampled at 1215

Purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: ASW Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: ASW QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	13.55	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	8.35	feet
C = Column of Water in Casing (ft):	5.2	Column
V = Volume of Water in Well	0.85	gallons
D2 = Pump Setting Depth (ft):	12.0	feet
C2 = Column of water in Pump/Tubing (ft):	3.7	feet
V3 = Three Well Volumes	2.54	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1125	1130	1135	1140	1145	1150	
Water Level (0.33)	Feet	8.35	8.35	8.35	8.35	8.35	8.35	
Gallons Purged	Gal	0.00	0.25	0.75	1.50	2.00	2.50	
Flow Rate	mL/min	250	250	350	350	350	350	
Turbidity (+/- 10%)	NTU	5.8	5.8	3.6	3.2	2.7	2.3	
Dissolved Oxygen (+/-10%)	%	27.7	18.7	10.0	7.9	7.0	6.8	
Dissolved Oxygen (+/-10%)	mg/L	3.32	2.26	1.19	0.94	0.84	0.80	
Eh/ORP (+/- 10 MeV)	MeV	-56.4	-54.7	-49.7	-51.2	-54.8	-55.1	
Specific Conductivity	mS/cm[c]	0.563	0.565	0.566	0.564	0.562	0.561	
Conductivity (+/- 3%)	umhos/cm	0.337	0.376	0.377	0.377	0.377	0.376	
pH (+/- 0.1 unit)	pH unit	6.38	6.30	6.28	6.30	6.33	6.33	
Temp (+/- 0.5 C)	C	7.58	7.47	7.51	7.65	7.67	7.68	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	Strong	Strong	Strong	Strong	Strong	Strong	

Comments: Started purge at 1125
Sampled at 1150

Parameters stabilized and purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: VEW-1 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: VEW-1 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	10.65	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	9.71	feet
C = Column of Water in Casing (ft):	0.94	Column
V = Volume of Water in Well	0.15	gallons
D2 = Pump Setting Depth (ft):	10.6	feet
C2 = Column of water in Pump/Tubing (ft):	0.8	feet
V3 = Three Well Volumes	0.46	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1102	1107	1112	1117			
Water Level (0.33)	Feet	9.71	9.71	9.71	9.71			
Gallons Purged	Gal	0.00	0.15	0.30	0.45			
Flow Rate	mL/min	150	250	250	250			
Turbidity (+/- 10%)	NTU	25.1	15.3	19.6	18.9			
Dissolved Oxygen (+/-10%)	%	60.0	25.2	22.1	22.0			
Dissolved Oxygen (+/-10%)	mg/L	7.25	3.06	2.71	2.70			
Eh/ORP (+/- 10 MeV)	MeV	-44.7	-48.5	-49.6	-47.5			
Specific Conductivity	mS/cm[c]	0.514	0.513	0.514	0.514			
Conductivity (+/- 3%)	umhos/cm	0.333	0.333	0.332	0.331			
pH (+/- 0.1 unit)	pH unit	6.49	6.23	6.16	6.13			
Temp (+/- 0.5 C)	C	6.64	6.59	6.44	6.35			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	Strong	Strong	Strong	Strong			

Comments: Started purge at 1102
Sampled at 1115

Purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: VEW-2 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: VEW-2 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	10.89	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	9.71	feet
C = Column of Water in Casing (ft):	1.18	Column
V = Volume of Water in Well	0.19	gallons
D2 = Pump Setting Depth (ft):	10.5	feet
C2 = Column of water in Pump/Tubing (ft):	0.8	feet
V3 = Three Well Volumes	0.58	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1026	1031	1036	1041	1046	1051	
Water Level (0.33)	Feet	9.71	9.65	9.66	9.67	9.67	9.67	
Gallons Purged	Gal	0.00	<0.25	0.25	>0.25	<0.5	0.50	
Flow Rate	mL/min	200	100	100	100	100	100	
Turbidity (+/- 10%)	NTU	29.3	22.8	34.5	23.1	20.8	15.5	
Dissolved Oxygen (+/-10%)	%	138.8	99.4	93.6	90.3	88.8	89.0	
Dissolved Oxygen (+/-10%)	mg/L	17.23	12.46	11.69	11.21	10.98	10.98	
Eh/ORP (+/- 10 MeV)	MeV	63	82.4	91.7	96	99.5	99.8	
Specific Conductivity	mS/cm[c]	0.284	0.293	0.295	0.301	0.303	0.305	
Conductivity (+/- 3%)	umhos/cm	0.180	0.185	0.187	0.192	0.195	0.196	
pH (+/- 0.1 unit)	pH unit	6.95	6.78	6.77	6.74	6.76	6.77	
Temp (+/- 0.5 C)	C	5.71	5.67	5.81	6.04	6.23	6.31	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	None	None	None	None	None	None	

Comments: Started purge at 1026
Sampled at 1057

Parameters stabilized and purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: K-3 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: K-3 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	12.6	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	8.65	feet
C = Column of Water in Casing (ft):	3.95	Column
V = Volume of Water in Well	0.64	gallons
D2 = Pump Setting Depth (ft):	10.0	feet
C2 = Column of water in Pump/Tubing (ft):	1.4	feet
V3 = Three Well Volumes	1.93	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	843	848	853	858	903	908	913
Water Level (0.33)	Feet	8.65	8.67	8.67	8.67	8.67	8.67	8.67
Gallons Purged	Gal	0.00	<0.25	0.25	<0.5	0.75	1.00	1.25
Flow Rate	mL/min	200	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	6.6	3.7	2.9	2.1	1.5	1.0	1.0
Dissolved Oxygen (+/-10%)	%	130.1	98.7	91.2	87.1	85.4	83.7	81.3
Dissolved Oxygen (+/-10%)	mg/L	16.31	12.54	11.58	11.04	10.80	10.58	10.28
Eh/ORP (+/- 10 MeV)	MeV	81	134	138.4	139.2	136.2	133.8	130.2
Specific Conductivity	mS/cm[c]	0.276	0.278	0.277	0.276	0.274	0.271	0.27
Conductivity (+/- 3%)	umhos/cm	0.174	0.172	0.172	0.172	0.171	0.169	0.168
pH (+/- 0.1 unit)	pH unit	9.33	8.44	8.14	7.88	7.72	7.59	7.48
Temp (+/- 0.5 C)	C	5.12	5.13	5.16	5.26	5.29	5.38	5.38
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None

Comments: Started purge at 841
Sampled at 918

Parameters stabilized

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: K-3 Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: K-3 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

L = Total Well Depth (ft):	12.6	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	8.65	feet
C = Column of Water in Casing (ft):	3.95	Column
V = Volume of Water in Well	0.64	gallons
D2 = Pump Setting Depth (ft):	10.0	feet
C2 = Column of water in Pump/Tubing (ft):	1.4	feet
V3 = Three Well Volumes	1.93	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	918						
Water Level (0.33)	Feet	8.67						
Gallons Purged	Gal	1.50						
Flow Rate	mL/min	200						
Turbidity (+/- 10%)	NTU	0.3						
Dissolved Oxygen (+/-10%)	%	80.2						
Dissolved Oxygen (+/-10%)	mg/L	10.11						
Eh/ORP (+/- 10 MeV)	MeV	129.1						
Specific Conductivity	mS/cm[c]	0.269						
Conductivity (+/- 3%)	umhos/cm	0.168						
pH (+/- 0.1 unit)	pH unit	7.42						
Temp (+/- 0.5 C)	C	5.49						
Color	Visual	Clear						
Odor	Olfactory	None						

Comments: Started purge at 841
Sampled at 918

Parameters stabilized

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: FLUSHMOUNT Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: FLUSHMOUNT QA/QC Collected? None

Purging / Sampling Method: Whale Pump

L = Total Well Depth (ft):	54.48	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	30.92	feet
C = Column of Water in Casing (ft):	23.56	Column
V = Volume of Water in Well	3.84	gallons
D2 = Pump Setting Depth (ft):	50.0	feet
C2 = Column of water in Pump/Tubing (ft):	19.1	feet
V3 = Three Well Volumes	11.52	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	818	1550	1557	1604			
Water Level (0.33)	Feet	30.92	NM	NM	NM			
Gallons Purged	Gal	0.00	4.00	8.00	12.00			
Flow Rate	mL/min	-	-	-	-			
Turbidity (+/- 10%)	NTU	15.8	13.5	10.3	6.4			
Dissolved Oxygen (+/-10%)	%	68.2	65.9	29.0	24.4			
Dissolved Oxygen (+/-10%)	mg/L	7.96	7.04	3.23	2.70			
Eh/ORP (+/- 10 MeV)	MeV	180.9	-43.5	-61	-61.5			
Specific Conductivity	mS/cm[c]	0.935	0.865	0.968	0.96			
Conductivity (+/- 3%)	umhos/cm		0.636	0.706	0.701			
pH (+/- 0.1 unit)	pH unit	8.77	11.45	11.76	11.78			
Temp (+/- 0.5 C)	C	9.28	11.14	10.81	10.89			
Color	Visual	Clear	Clear	Clear	Clear			
Odor	Olfactory	None	None	None	None			

Comments: Started purge at 818, Lost pump after 4 gallons purged

Started again at 1543
Sampled at 1604

Purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: MW-15D Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: MW-15D QA/QC Collected? None

Purging / Sampling Method: Whale Pump

L = Total Well Depth (ft):	43.94	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	28.1	feet
C = Column of Water in Casing (ft):	15.84	Column
V = Volume of Water in Well	2.58	gallons
D2 = Pump Setting Depth (ft):	40.0	feet
C2 = Column of water in Pump/Tubing (ft):	11.9	feet
V3 = Three Well Volumes	7.75	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1344	1405	1410				
Water Level (0.33)	Feet	33.80	-	-				
Gallons Purged	Gal	2.50	5.00	7.50				
Flow Rate	mL/min	300	-	-				
Turbidity (+/- 10%)	NTU	14.4	27.7	14.9				
Dissolved Oxygen (+/-10%)	%	24.9	60.1	58.4				
Dissolved Oxygen (+/-10%)	mg/L	2.65	6.44	5.99				
Eh/ORP (+/- 10 MeV)	MeV	-224.9	9.8	15.1				
Specific Conductivity	mS/cm[c]	0.155	0.170	0.182				
Conductivity (+/- 3%)	umhos/cm	0.112	0.124	0.127				
pH (+/- 0.1 unit)	pH unit	8.10	8.96	8.87				
Temp (+/- 0.5 C)	C	10.47	11.08	9.90				
Color	Visual	Clear	Clear	Clear				
Odor	Olfactory	None	None	None				

Comments: Started purge @ 1340

Sampled @ 1410

Purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging / Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: MW-8D Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: MW-8D QA/QC Collected? None

Purging / Sampling Method: Whale Pump

L = Total Well Depth (ft):	54.25	feet
D = Casing Diameter (in):	0.17	inches
W = Static Water Level Below Top of Casing (ft):	32.78	feet
C = Column of Water in Casing (ft):	21.47	Column
V = Volume of Water in Well	3.50	gallons
D2 = Pump Setting Depth (ft):	42.0	feet
C2 = Column of water in Pump/Tubing (ft):	9.2	feet
V3 = Three Well Volumes	10.50	gallons

D (inches)	D (feet)
1-inch	0.08
2-inch	0.17
3-inch	0.25
4-inch	0.33
6-inch	0.5

Conversion factors to determine V given C

Well ID	1-inch	2-inch	3-inch	4-inch	6-inch
Vol. (gal/ft)	0.041	0.163	0.37	0.65	1.5

Water Quality Reading Collected Using YSI 556 and Hach 2100P

Parameter	**Units**							
Time	24 hr	1435	1440	1445	1450	1455	1500	
Water Level (0.33)	Feet	-	-	-	-	-	-	
Gallons Purged	Gal	0.00	2.50	5.00	7.50	10.00	12.50	
Flow Rate	mL/min	-	-	-	-	-	-	
Turbidity (+/- 10%)	NTU	53.7	44.4	30.4	23.7	11.9	10.3	
Dissolved Oxygen (+/-10%)	%	68.9	56.3	60.1	47.7	52.7	49.7	
Dissolved Oxygen (+/-10%)	mg/L	7.22	6.10	6.61	5.15	5.77	5.29	
Eh/ORP (+/- 10 MeV)	MeV	1.4	-3.7	-9.7	-3.9	2.4	2.9	
Specific Conductivity	mS/cm[c]	0.248	0.251	0.254	0.252	0.268	0.292	
Conductivity (+/- 3%)	umhos/cm	0.186	0.188	0.190	0.189	0.199	0.211	
pH (+/- 0.1 unit)	pH unit	9.55	9.76	9.89	9.89	9.86	9.81	
Temp (+/- 0.5 C)	C	11.97	11.90	11.81	11.97	11.81	11.34	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	None	None	None	None	None	None	

Comments: Started purge @ 1435

Sampled @ 1500

Purged 3 well volumes

Three consecutive readings within range indicates stabilization of that parameter

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: VEW-3 Date: March 25, 2010

Samplers:

Sample Number: VEW-3 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:	10.72	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	10.24	feet
4. C = Column of Water in Casing:	0.48	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	0.08	gal x3
6. D2 = Pump Setting Depth (ft): ≈ 10.7	0.23	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

3 well Volumes

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and ~~Hanna HI 98703~~ Hach 2100P

Parameter	Units	Readings						
Time	24 hr	934	939	944	949	954	959	1004
Water Level (0.33)	feet	10.24	NM	NM	NM	NM	NM	NM
Volume Purged	gal	0	20.0	20.25	0.25	20.25	20.50	0.50
Flow Rate	mL / min	100	100	100	100	100	100	100
Turbidity (+/- 10%)	NTU	44.5	28.6	20.5	14.1	9.91	6.05	4.31
Dissolved Oxygen (+/- 10%)	%	137.4	92.3	91.7	88.4	85.6	82.7	92.1 *
Dissolved Oxygen (+/- 10%)	mg/L	16.54	11.30	11.32	10.91	10.53	10.21	11.34*
Eh / ORP (+/- 10)	MeV	-63.9	4.7	9.7	21.9	41.6	35.8	40.5
Specific Conductivity	mS/cm^c	0.434	0.246	0.262	0.226	0.211	0.196	0.189
Conductivity (+/- 3%)	µmho / cm	0.280	0.191	0.168	0.145	0.136	0.120	0.122
pH (+/- 0.1)	pH unit	7.20	6.81	6.72	6.72	6.69	6.68	6.70
Temp (+/- 0.5)	C	6.50	6.43	6.31	6.32	6.40	6.32	6.28
Color	Visual	Sl Cl	Sl Cl	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	Strong Chlor.	Strong	Chlorinated	Chlor.	Chlor.	Chlor.	Chlor.
Ferrous Iron	mg/L	Collect only at sample time						

Comments: Started purge @ 933 Stabilized + 3 well volumes

Sampled @ 1004

* YSI Turned off on its own

NM - Not Measurable

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: MW-85 Date: March 25, 2010

Samplers:

Sample Number: MW-85 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:	10.82	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	7.16	feet
4. C = Column of Water in Casing:	3.66	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	0.60	gal X3
6. D2 = Pump Setting Depth (ft):	1.79	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

3 well volumes

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings					
Time	24 hr	1500	1505	1510	1515	1520	1525
Water Level (0.33)	feet	7.16	7.26	7.26	7.24	7.25	7.25
Volume Purged	gal	0	0.25	0.50	0.75	1.00	1.25
Flow Rate	mL / min	300	300	200	200	200	200
Turbidity (+/- 10%)	NTU	51.4	17.2	7.24	3.49	3.46	3.47
Dissolved Oxygen (+/- 10%)	%	109.9	98.2	91.4	89.8	91.2	90.9
Dissolved Oxygen (+/- 10%)	mg/L	13.50	12.33	11.55	11.37	11.49	11.41
Eh / ORP (+/- 10)	MeV	73.2	70.0	112.9	123.8	127.7	129.9
Specific Conductivity	mS/cm[c]	0.645	0.602	0.598	0.598	0.597	0.598
Conductivity (+/- 3%)	µmho / cm	0.411	0.379	0.373	0.373	0.374	0.376
pH (+/- 0.1)	pH unit	8.71	8.63	8.07	7.71	7.60	7.56
Temp (+/- 0.5)	C	5.93	5.62	5.30	5.27	5.48	5.54
Color	Visual	~~REDC~~	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	~~SLIGHT~~	Slight	None	None	None	None
Ferrous Iron	mg/L	Collect only at sample time					

Comments: Started purge @ ~~1454~~ 1500

Sampled @ 1525

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841~~05~~.06

Monitoring Well Number: MW-15S Date: March 25, 2010

Samplers: Mark Howard and Cristine Vinciguerra

Sample Number: MW-15S QA/QC Collected? ~~None~~ Dup-1

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:	12.58	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	7.64	feet
4. C = Column of Water in Casing:	4.94	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.81	gal x3
6. D2 = Pump Setting Depth (ft): -11.5'	2.42	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

3well volumes

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna ~~HI 98703~~ Hach 2100P

Parameter	Units	Readings							
Time	24 hr	1306	1311	1316	1321	1326	1331	1336	1341
Water Level (0.33)	feet	7.64	7.69	7.65	7.69	7.68	7.67	7.66	7.66
Volume Purged	gal	0	>0.25	0.25	>0.25	>0.25	0.50	0.75	1.00
Flow Rate	mL / min	100	100	100	100	100	100	150	150
Turbidity (+/- 10%)	NTU	32.1	17.4	13.5	8.00	8.86	9.69	11.2	10.6
Dissolved Oxygen (+/- 10%)	%	102.7	16.4	7.8	6.2	5.7	4.6	4.0	3.5
Dissolved Oxygen (+/- 10%)	mg/L	12.03	1.97	0.93	0.75	0.69	0.56	0.48	0.38
Eh / ORP (+/- 10)	MeV	-20.5	-8.3	-2.2	-5.0	-4.5	-6.5	-1.4	-4.9
Specific Conductivity	mS/cm[c]	0.275	0.269	0.266	0.258	0.255	0.252	0.247	0.247
Conductivity (+/- 3%)	µmho / cm	0.179	0.176	0.176	0.169	0.166	0.164	0.162	0.162
pH (+/- 0.1)	pH unit	6.68	6.30	6.29	6.29	6.22	6.24	6.14	6.23
Temp (+/- 0.5)	C	6.67	6.85	7.28	6.90	6.75	6.63	6.92	6.63
Color	Visual	Rd Cl	Clear	Clear	Clear	Clear	Clear	Clear	clear
Odor	Olfactory	Chlor.	Chlor.	Chl.	Chlor.	Chlor.	Chlor.	Chlor	Chlor
Ferrous Iron	mg/L	Collect only at sample time							

Comments:

Started purge @ 1305

Sampled 1341

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: K-2 Date: March 25, 2010

Samplers: C. Vinciguerra and M. Howard

Sample Number: K-2 QA/QC Collected? _____

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:	13.82	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	10.70	feet
4. C = Column of Water in Casing:	3.12	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	0.5	gal
6. D2 = Pump Setting Depth (ft): ± 13'	×3 1.5	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings						
Time	24 hr	1220	1225	1230	1235	1240		
Water Level (0.33)	feet	10.70	10.70	10.70	10.70	10.70		
Volume Purged	gal	0	0.2	0.5	1.0	1.5		
Flow Rate	mL / min	150	150	150	250	250		
Turbidity (+/- 10%)	NTU	117	75.0	55.0	57.3	35.8		
Dissolved Oxygen (+/- 10%)	%	141.3	78.7	72.7	67.7	66.2		
Dissolved Oxygen (+/- 10%)	mg/L	16.78	9.44	8.77	8.20	7.99		
Eh / ORP (+/- 10)	MeV	54.6	83.8	84.0	87.3	89.1		
Specific Conductivity	mS/cm[c]	0.157	0.138	0.137	0.136	0.133		
Conductivity (+/- 3%)	µmho / cm	0.104	0.091	0.090	0.089	0.086		
pH (+/- 0.1)	pH unit	6.87	6.54	6.54	6.47	6.46		
Temp (+/- 0.5)	C	7.40	7.34	7.14	7.03	7.00		
Color	Visual	cloudy/clear	clear	clear	clear	clear		
Odor	Olfactory	strong	strong	strong	none	none		
Ferrous Iron	mg/L	Collect only at sample time						

Comments:

Started purge @ 1220 3 well volumes

Sampled @ 1240

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: VEW-4 Date: March 25, 2010

Samplers:

Sample Number: VEW-4 QA/QC Collected?

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:	10.87	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	10.35	feet
4. C = Column of Water in Casing:	0.52	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.08	gal
6. D2 = Pump Setting Depth (ft):	0.25	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings						
Time	24 hr	1200	1205	1210	1215			
Water Level (0.33)	feet	10.35	10.35	10.35	10.35			
Volume Purged	gal	0	0.1	0.2	0.3			
Flow Rate	mL / min	100	100	100	100			
Turbidity (+/- 10%)	NTU	6.01	8.03	6.76	6.24			
Dissolved Oxygen (+/- 10%)	%	66.2	67.5	67.9	69.2			
Dissolved Oxygen (+/- 10%)	mg/L	7.96	8.16	8.20	8.81			
Eh / ORP (+/- 10)	MeV	-39.4	12.3	17.4	20.2			
Specific Conductivity	mS/cm[c]	0.562	0.542	0.534	0.533			
Conductivity (+/- 3%)	µmho / cm	0.372	0.357	0.349	0.349			
pH (+/- 0.1)	pH unit	6.58	6.51	6.52	6.51			
Temp (+/- 0.5)	C	7.33	7.12	7.06	7.02			
Color	Visual	clear	clear	clear	clear			
Odor	Olfactory	strong	strong	strong	strong			
Ferrous Iron	mg/L	Collect only at sample time						

Comments:

Started purge @ 1159

Sampled @ 1215 3 well volumes

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: ASW Date: March 25, 2010

Samplers: C. Vinciguerra and M. Howard

Sample Number: ASW QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:		13.55	feet
2. D = Riser Diameter (I.D.):			feet
3. W = Static Depth to Water (TOC):		8.35	feet
4. C = Column of Water in Casing:		5.2	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$		0.84	gal
6. D2 = Pump Setting Depth (ft): ± 12'	x3	2.5	feet
7. C2 = Column of water in Pump/Tubing (ft):			feet
8. Tubing Volume = C2(0.005737088)			gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings					
Time	24 hr	1125	1130	1135	1140	1145	1150
Water Level (0.33)	feet	8.35	8.35	8.35	8.35	8.35	8.35
Volume Purged	gal	0	0.25	0.75	1.50	2.0	2.5
Flow Rate	mL / min	250	250	350	350	350	350
Turbidity (+/- 10%)	NTU	5.83	5.83	3.62	3.23	2.72	2.34
Dissolved Oxygen (+/- 10%)	%	27.7	18.7	10.0	7.9	7.0	6.8
Dissolved Oxygen (+/- 10%)	mg/L	3.32	2.26	1.19	0.94	0.84	0.80
Eh / ORP (+/- 10)	MeV	-56.4	-54.7	-49.7	-51.2	-54.8	-55.1
Specific Conductivity	mS/cm[c]	0.563	0.565	0.566	0.564	0.562	0.561
Conductivity (+/- 3%)	µmho / cm	0.377	0.376	0.377	0.377	0.377	0.376
pH (+/- 0.1)	pH unit	6.38	6.30	6.28	6.30	6.33	6.33
Temp (+/- 0.5)	C	7.58	7.47	7.51	7.65	7.67	7.68
Color	Visual	clear	clear	clear	clear	clear	clear
Odor	Olfactory	strong	strong	strong	strong	strong	strong
Ferrous Iron	mg/L	Collect only at sample time					

Comments: Started purge @ 1125

Sampled @ 1150 3 well volumes also stabilization

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: VEW-1 Date: March 25, 2010

Samplers: C. Vinciguerra + M. Howard

Sample Number: VEW-1 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth:	10.65	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	9.71	feet
4. C = Column of Water in Casing:	0.94	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	0.15	gal ×3
6. D2 = Pump Setting Depth (ft): 3 ust.	0.45	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings						
Time	24 hr	1102	1107	1112	1115			
Water Level (0.33)	feet	9.71	9.71	9.71	9.71			
Volume Purged	gal	0	0.15	0.3	0.45			
Flow Rate	mL / min	150	250	250	250			
Turbidity (+/- 10%)	NTU	25.1	15.3	19.6	18.9			
Dissolved Oxygen (+/- 10%)	%	60.0	25.2	22.1	22.0			
Dissolved Oxygen (+/- 10%)	mg/L	7.25	3.06	2.71	2.70			
Eh / ORP (+/- 10)	MeV	-44.7	-48.5	-49.6	-47.5			
Specific Conductivity	mS/cm[c]	0.514	0.513	0.514	0.514			
Conductivity (+/- 3%)	µmho / cm	0.333	0.333	0.332	0.331			
pH (+/- 0.1)	pH unit	6.49	6.23	6.16	6.13			
Temp (+/- 0.5)	C	6.64	6.59	6.44	6.35			
Color	Visual	clear	clear	clear	clear			
Odor	Olfactory	strong	strong	strong	strong			
Ferrous Iron	mg/L	Collect only at sample time						

Comments:

Started purge @ 1102

Sampled @ 1115 → 3 well volumes

Purged 0.5 gallons

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: VEW-2 Date: March 25, 2010

Samplers:

Sample Number: VEW-2 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump

1. L = Total Well Depth: 10.89 feet
2. D = Riser Diameter (I.D.): 0.17 feet
3. W = Static Depth to Water (TOC): 9.71 ~~9.71~~ feet
4. C = Column of Water in Casing: 1.18 ~~1.18~~ feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48) 0.19 ~~0.19~~ gal x3
6. D2 = Pump Setting Depth (ft): 3 well Volumes 0.57 ~~0.57~~ feet
7. C2 = Column of water in Pump/Tubing (ft): ±10' feet
8. Tubing Volume = C2(0.005737088) gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and ~~Hanna HI 98703~~ Hach 2100P

Parameter	Units	Readings						
Time	24 hr	1028	1031	1036	1041	1046	1051	1056
Water Level (0.33)	feet	9.71	9.65	9.66	9.67	9.67	9.67	
Volume Purged	gal	0	0.25	0.25	>0.25	0.50	~~0.50~~	
Flow Rate	mL / min	200	~~100~~ 100	100	100	100	100	
Turbidity (+/- 10%)	NTU	29.3	22.8	34.5	23.1	20.8	15.5	
Dissolved Oxygen (+/- 10%)	%	135.8	99.4	93.6	90.3	88.8	89.0	
Dissolved Oxygen (+/- 10%)	mg/L	17.23	12.46	11.69	11.21	10.98	10.98	
Eh / ORP (+/- 10)	MeV	83.0	82.4	91.7	96.0	99.5	99.8	
Specific Conductivity	mS/cm[c]	0.284	0.293	0.295	0.301	0.303	0.305	
Conductivity (+/- 3%)	µmho / cm	0.180	0.185	0.187	0.192	0.195	0.196	
pH (+/- 0.1)	pH unit	6.95	6.78	6.77	6.74	6.76	6.77	
Temp (+/- 0.5)	C	5.71	5.67	5.61	6.04	6.23	6.31	
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	
Odor	Olfactory	None	None	None	None	None	None	
Ferrous Iron	mg/L	Collect only at sample time						

Comments: Started purge @ 1026 3 well Volumes + Stable

Sampled @ 1057

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.06

Monitoring Well Number: K-3 Date: March 25, 2010

Samplers: Mark Howard + Cristine Vinciguerra

Sample Number: K-3 QA/QC Collected? None

Purging / Sampling Method: Peristaltic Pump dedicated teflon lined poly tubing + Silicon tubing

1. L = Total Well Depth:	12.60	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	8.65	feet
4. C = Column of Water in Casing:	3.95	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	0.64	gal x 3
6. D2 = Pump Setting Depth (ft): ~10'	1.93	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

Volume to Purge (if 3 well volumes)

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and ~~Hanna HI 98703~~ Hach 2100P

Parameter	Units	Readings							
Time	24 hr	843	848	853	858	903	908	913	918
Water Level (0.33)	feet	8.65	8.67	8.67	8.67	8.67	8.67	8.67	8.67
Volume Purged	gal	0	0.25	0.25	0.50	0.75	1.00	1.25	1.50
Flow Rate	mL / min	200	200	200	200	200	200	200	200
Turbidity (+/- 10%)	NTU	6.60	3.69	2.88	2.06	1.54	0.97	0.95	0.30
Dissolved Oxygen (+/- 10%)	%	130.1	90.7	91.2	87.1	85.4	83.7	81.3	80.2
Dissolved Oxygen (+/- 10%)	mg/L	16.31	12.54	11.58	11.04	10.80	10.58	10.28	10.11
Eh / ORP (+/- 10)	MeV	81.0	134.0	138.4	134.2	136.2	133.8	130.2	129.1
Specific Conductivity	mS/cm[c]	0.276	0.278	0.277	0.276	0.274	0.271	0.270	0.269
Conductivity (+/- 3%)	µmho / cm	0.174	0.172	0.172	0.172	0.171	0.169	0.168	0.168
pH (+/- 0.1)	pH unit	9.33	8.44	8.14	7.86	7.72	7.59	7.48	7.42
Temp (+/- 0.5)	C	5.12	5.13	5.16	5.26	5.29	5.38	5.38	5.49
Color	Visual	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
Odor	Olfactory	None	None	None	None	None	None	None	None
Ferrous Iron	mg/L	NA			Collect only at sample time				

Comments: Started purge @ 841 Stabilized

Sampled @ 918

[a] Three consecutive readings within range indicates stabilization of that parameter.

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841 3.06

Monitoring Well Number: Flushmount Date: March 25, 2010

Samplers: C. Vinegverra and M. Howard

Sample Number: Flushmount QA/QC Collected? None

Purging / Sampling Method: ~~Peristaltic Pump~~ Whale Pump

1. L = Total Well Depth:	54.48	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Static Depth to Water (TOC):	30.92	feet
4. C = Column of Water in Casing:	23.56	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	3.84	gal
6. D2 = Pump Setting Depth (ft):		feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

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

11.52

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings						
			1550					
Time	24 hr	818	~~1550~~	1557	1604			
Water Level (0.33)	feet	30.92	—	—	—			
Volume Purged	gal	0	4	8	12			
Flow Rate	mL / min	—	—	—	—			
Turbidity (+/- 10%)	NTU	158	13.5	10.3	6.42			
Dissolved Oxygen (+/- 10%)	%	68.2	65.9	29.0	24.4			
Dissolved Oxygen (+/- 10%)	mg/L	7.96	7.04	3.23	2.70			
Eh / ORP (+/- 10)	MeV	180	-43.5	-61.0	-61.5			
Specific Conductivity	mS/cm[c]	0.935	0.865	0.968	0.960			
~~Conductivity (+/- 3%)~~	µmho / cm	—	0.636	0.706	0.701			
pH (+/- 0.1)	pH unit	8.77	11.45	11.76	11.78			
Temp (+/- 0.5)	C	9.28	11.14	10.81	10.89			
Color	Visual	clear	clear	clear	clear			
Odor	Olfactory	none	none	none	none			
Ferrous Iron	~~mg/L~~	—	Collect only at sample time					

Comments: Started purge 818

Lost whale pump down the well @ 822 after purging 4 gallons

Started purge for the second time 343

Sampled @ 1604 @ 3 well volumes

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: MW-15D Date: March 25, 2010

Samplers: C Vinciguerra + M. Howard

Sample Number: MW-15D QA/QC Collected? _____

Purging / Sampling Method: ~~Peristaltic Pump~~ whale pump

1. L = Total Well Depth:	43.94	feet
2. D = Riser Diameter (I.D.):	0.17	feet
3. W = Static Depth to Water (TOC):	28.10	feet
4. C = Column of Water in Casing:	15.84	feet
5. V = Volume of Water in Well = $C(3.14159)(0.5D)^2(7.48)$	2.58	gal
6. D2 = Pump Setting Depth (ft):	7.74	feet x3
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings						
Time	24 hr	1344	1405	1410				
Water Level (0.33)	feet	33.80	—	—				
Volume Purged	gal	2.5	5.0	7.5				
Flow Rate	mL / min	300	—	—				
Turbidity (+/- 10%)	NTU	14.4	27.7	14.9				
Dissolved Oxygen (+/- 10%)	%	24.9	60.1	58.4				
Dissolved Oxygen (+/- 10%)	mg/L	2.65	6.44	5.99				
Eh / ORP (+/- 10)	MeV	-224.9	9.8	15.1				
Specific Conductivity	mS/cm[c]	0.155	0.170	0.182				
Conductivity (+/- 3%)	µmho / cm	0.112	0.124	0.127				
pH (+/- 0.1)	pH unit	8.10	8.96	8.87				
Temp (+/- 0.5)	C	10.47	11.08	9.96				
Color	Visual	clear	clear	clear				
Odor	Olfactory	None	None	none				
Ferrous Iron	mg/L	Collect only at sample time						

Comments:

Started purge @ 1340

Sampled @ 1410 3 well volumes

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

Monitoring Well Purging/Sampling Form

Project Name and Number: Korkay, Inc. Site 60135841.03

Monitoring Well Number: MW-8D Date: March 25, 2010

Samplers:

Sample Number: MW-8D QA/QC Collected? None

Purging / Sampling Method: ~~Peristaltic Pump~~ whale pump

1. L = Total Well Depth:	54.25	feet
2. D = Riser Diameter (I.D.):		feet
3. W = Static Depth to Water (TOC):	32.~~70~~	feet
4. C = Column of Water in Casing:	21.55	feet
5. V = Volume of Water in Well = C(3.14159)(0.5D)^2(7.48)	4.00	gal
6. D2 = Pump Setting Depth (ft):	~~13~~ 12 12.00	feet
7. C2 = Column of water in Pump/Tubing (ft):		feet
8. Tubing Volume = C2(0.005737088)		gal

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

Conversion factors to determine V given C

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

Water Quality Readings Collected Using YSI 556 and Hanna HI 98703

Parameter	Units	Readings					
Time	24 hr	235	~~3~~240	245	250	255	300
Water Level (0.33)	feet	—	—	—	—	—	—
Volume Purged	gal	0	2.5	5	7.5	10	12.5
Flow Rate	mL / min	—	—	—	—	—	—
Turbidity (+/- 10%)	NTU	53.7	44.4	30.4	23.7	11.9	10.3
Dissolved Oxygen (+/- 10%)	%	68.9	56.3	60.1	47.7	52.7	49.7
Dissolved Oxygen (+/- 10%)	mg/L	7.22	6.10	6.61	5.15	5.77	5.29
Eh / ORP (+/- 10)	MeV	1.4	-3.7	-9.7	-3.9	2.4	2.9
Specific Conductivity	mS/cm[c]	0.248	0.251	0.254	0.252	0.268	0.292
Conductivity (+/- 3%)	µmho / cm	0.186	0.188	0.190	0.189	0.199	0.211
pH (+/- 0.1)	pH unit	9.55	9.76	9.89	9.89	9.86	9.81
Temp (+/- 0.5)	C	11.97	11.90	11.81	11.97	11.81	11.34
Color	Visual	clear	clear	clear	clear	clear	clear
Odor	Olfactory	none	none	none	none	none	none
Ferrous Iron	mg/L	Collect only at sample time					

Comments:

Started purge @ 235

Sampled @ 300

1500 3 well volumes

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

Appendix C

Laboratory Report

Report Date:
19-Apr-10 11:52

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

Laboratory Report

AECOM Technical Services, Inc.
40 British American Boulevard
Latham, NY 12110

Work Order: J0580
Project : Korkay Inc
Project #:

Attn: John Santacroce

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
J0580-01	VEW-3	Aqueous	25-Mar-10 10:04	27-Mar-10 09:10
J0580-02	VEW-1	Aqueous	25-Mar-10 11:15	27-Mar-10 09:10
J0580-03	VEW-2	Aqueous	25-Mar-10 10:51	27-Mar-10 09:10
J0580-04	ASW	Aqueous	25-Mar-10 11:50	27-Mar-10 09:10
J0580-05	DUP-1	Aqueous	25-Mar-10 00:00	27-Mar-10 09:10
J0580-06	FLUSH MOUNT	Aqueous	25-Mar-10 16:04	27-Mar-10 09:10
J0580-07	MW-15S	Aqueous	25-Mar-10 13:41	27-Mar-10 09:10
J0580-08	K-3	Aqueous	25-Mar-10 09:18	27-Mar-10 09:10
J0580-09	MW-15D	Aqueous	25-Mar-10 14:10	27-Mar-10 09:10
J0580-10	K-2	Aqueous	25-Mar-10 12:40	27-Mar-10 09:10
J0580-11	MW-8S	Aqueous	25-Mar-10 15:25	27-Mar-10 09:10
J0580-12	VEW-4	Aqueous	25-Mar-10 12:15	27-Mar-10 09:10
J0580-13	MW-8D	Aqueous	25-Mar-10 15:00	27-Mar-10 09:10
J0580-14	TRIP BLANK	Aqueous	26-Mar-10 08:55	27-Mar-10 09:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quaility control requirements for each method. The results relate only to the samples(s) as recevied.

All applicable NELAC or USEPA CLP requirments have been meet.

Mitkem Laboratories is accredited under the National Environmental Laboratory Approval Program (NELAP) and is certified by several States, as well as USEPA and US Department of Defense. The current list of our laboratory approvals and certifications is available on the Certifications page our web site at www.mitkem.com.

Please contact the Laboratory or Technical Director at 401-732-3400 with any questions regarding the data contained in the laboratory report.

Department of Defense	N/A
Connecticut	PH-0153
Delaware	N/A
Maine	2007037
Massachusetts	M-RI907
New Hampshire	2631
New Jersey	RI001
New York	11522
North Carolina	581
Pennsylvania	68-00520
Rhode Island	LAI00301
Texas	T104704422-08-TX
USDA	P330-08-00023
USEPA - ISM	EP-W-09-039
USEPA - SOM	EP-W-05-030

Authorized by:

Yihai Ding
Laboratory Director

Technical Reviewer's Initials: YD

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Identification and Analytical Requirements Summary

Project Name : Korkay Inc **SDG :** J0580

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		MSVOA Method #	MSSEMI Method #	GC* Method #	ME	Other
VEW-3	J0580-01	SW8260_W				
VEW-1	J0580-02	SW8260_W				
VEW-2	J0580-03	SW8260_W				
ASW	J0580-04	SW8260_W				
DUP-1	J0580-05	SW8260_W				
FLUSH MOUNT	J0580-06	SW8260_W				
MW-15S	J0580-07	SW8260_W				
K-3	J0580-08	SW8260_W				
MW-15D	J0580-09	SW8260_W				
K-2	J0580-10	SW8260_W				
MW-8S	J0580-11	SW8260_W				
VEW-4	J0580-12	SW8260_W				
MW-8D	J0580-13	SW8260_W				
TRIP BLANK	J0580-14	SW8260_W				

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Korkay Inc **SDG :** J0580

Laboratory Sample ID	Matrix	Date Collected	Date Received By Lab	Date Extracted	Date Analyzed
SW8260_W					
J0580-01A	AQ	3/25/2010	3/27/2010	NA	4/5/2010
J0580-02A	AQ	3/25/2010	3/27/2010	NA	4/5/2010
J0580-03A	AQ	3/25/2010	3/27/2010	NA	4/5/2010
J0580-04A	AQ	3/25/2010	3/27/2010	NA	4/5/2010
J0580-05A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-06A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-07A	AQ	3/25/2010	3/27/2010	NA	4/7/2010
J0580-08A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-09A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-10A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-11A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-12A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-13A	AQ	3/25/2010	3/27/2010	NA	4/6/2010
J0580-14A	AQ	3/26/2010	3/27/2010	NA	4/6/2010

Mitkem Laboratories

New York State Department of Environmental Conservation
Sample Preparation and Analysis Summary MSVOA

Project Name : Korkay Inc **SDG :** J0580

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Low/Medium Level	Dil/Conc Factor
SW8260_W					
J0580-01A	AQ	SW8260_W	NA	LOW	1
J0580-02A	AQ	SW8260_W	NA	LOW	2.5
J0580-03A	AQ	SW8260_W	NA	LOW	1
J0580-04A	AQ	SW8260_W	NA	LOW	5
J0580-05A	AQ	SW8260_W	NA	LOW	1
J0580-06A	AQ	SW8260_W	NA	LOW	1
J0580-07A	AQ	SW8260_W	NA	LOW	1
J0580-08A	AQ	SW8260_W	NA	LOW	1
J0580-09A	AQ	SW8260_W	NA	LOW	1
J0580-10A	AQ	SW8260_W	NA	LOW	1
J0580-11A	AQ	SW8260_W	NA	LOW	1
J0580-12A	AQ	SW8260_W	NA	LOW	1
J0580-13A	AQ	SW8260_W	NA	LOW	1
J0580-14A	AQ	SW8260_W	NA	LOW	1

Analytical Data Package for AECOM

Client Project: Korkay, Inc.

SDG# SJ0580

Mitkem Work Order ID: J0580

April 15, 2010

Prepared For:

AECOM Technical Services, Inc.
40 British American Boulevard
Latham, NY 12110
Attn: Mr. John Santacroce

Prepared By:

Mitkem Laboratories
175 Metro Center Boulevard
Warwick, RI 02886
(401) 732-3400

SDG Narrative

Mitkem Corporation submits the enclosed data package in response to AECOM's Korkay, Inc. project. Under this deliverable, analysis results are presented for fourteen aqueous samples that were received on March 27, 2010. Analyses were performed per specifications in the project's contract, discussion with client and the chain of custody form. Following the narrative is the Mitkem Work Order for cross-referencing client sample ID and laboratory sample ID.

The analyses were performed according to NYSDEC ASP protocols and reported per NYSDEC ASP requirement for Category A deliverable.

The following observation and/or deviations are observed for the following analyses:

1. Overall Observation:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual integrations are coded to provide the data reviewer justification for such action. The codes are labeled on the ion chromatogram signal (GC/MS signal) and chromatogram for GC based analysis as follows:

- M1 peak tailing or fronting.
- M2 peak co-elution.
- M3 rising or falling baseline.
- M4 retention time shift.
- M5 miscellaneous – under this category, the justification is explained.
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Photocopies of logbook pages are included, with the originals maintained on file at the laboratory. The originals of initial calibrations that are shared among several cases are maintained on file at the laboratory, with photocopies included in the data package.

1. Volatile Analysis:

Surrogate recovery: recoveries were within the QC limits.

Lab control sample/ lab control sample duplicate: spike recoveries and replicate RPDs were within QC limits.

Sample analysis: due to high concentration of target analytes, the following samples were analyzed at dilution: VEW-1 (2.5x) and ASW (5x). No other unusual observation was made for the analysis.

All pages in this report have been numbered consecutively, starting with the title page and ending with a page saying only "Last Page of Data Report".

I certify that this data package is in compliance, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Agnes Huntley
CLP Project Manager
04/19/10

WorkOrder: J0580

04/15/2010 12:29

Mitkem Laboratories

Client ID: EARTH_NY
Project: Korkay Inc
WO Name: Korkay Inc
Location: KORKAY,
Comments: need hard copy and CD

Case:
SDG:
PO: 99165

HC Due: 04/14/10
Fax Due:
Fax Report: ☐

Report Level: ASP-A
Special Program:
EDD:

Lab Samp ID	Client Sample ID	Collection Date	Date Recv'd	Matrix	Test Code	Samp / Lab Test Comments	HF	HT	MS	SEL	Storage
J0580-01A	VEW-3	03/25/2010 10:04	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-02A	VEW-1	03/25/2010 11:15	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-03A	VEW-2	03/25/2010 10:51	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-04A	ASW	03/25/2010 11:50	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-05A	DUP-1	03/25/2010 00:00	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-06A	FLUSH MOUNT	03/25/2010 16:04	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-07A	MW-15S	03/25/2010 13:41	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-08A	K-3	03/25/2010 09:18	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-09A	MW-15D	03/25/2010 14:10	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-10A	K-2	03/25/2010 12:40	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-11A	MW-8S	03/25/2010 15:25	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-12A	VEW-4	03/25/2010 12:15	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-13A	MW-8D	03/25/2010 15:00	03/27/2010	Aqueous	SW8260_W	/					VOA
J0580-14A	TRIP BLANK	03/26/2010 08:55	03/27/2010	Aqueous	SW8260_W	/					VOA

HF = Fraction logged in but all tests have been placed on hold

HT = Test logged in but has been placed on hold

Lab Client Rep: Shirley S Ng

Sample Transmittal Documentation

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: John Santacroce
140 British American Blvd
Latham NY 12110
AECOM
Telephone #: (518) 951 2200
Project Mgr. Steve Chainiere

Invoice To: John Santacroce
AECOM
40 British American Blvd
Latham NY 12110
P.O. No.: _____ RQN: _____

Project No.: 60135841.06
Site Name: Korkay, Inc. Site
Location: Broadalbin State: NY
Sampler(s): Mark Howard + Cristine Vinciguerra

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= _____ 10= _____ 11= _____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

List preservative code below: 2

QA/QC Reporting Notes:
(check as needed)

- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☒ Other Category B

State specific reporting standards:
NYS Category B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TCL VOC 8260
J0580										
01	VEW-3	3/25/10	1004	G	GW	2				X
02	VEW-1	3/25/10	1115	G	GW	2				X
03	VEW-2	3/25/10	1051	G	GW	2				X
04	ASW	3/25/10	1150	G	GW	2				X
05	Dup-1	3/25/10		G	GW	2				X
06	Flush Mount	3/25/10	1604	G	GW	2				X
07	MW-15S	3/25/10	1341	G	GW	2				X
08	K-3	3/25/10	918	G	GW	2				X
09	MW-15D	3/25/10	1410	G	GW	2				X
10	K-2	3/25/10	1240	G	GW	2				X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Mark Howard	Fedex	3/26/10	1830	
Fedex	Ed Jones	3/27/10	09:10	2°C

☒ EDD Format Excel No Clean up
☒ E-mail to john.santacroce@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☒ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: John Santacroce
AECOM
40 British American Blvd
Latham NY 12110
Telephone #: (518) 951 2200
Project Mgr. Steve Chainiere

Invoice To: John Santacroce
AECOM
40 British American Blvd
Latham NY 12110
P.O. No.: _____ RQN: _____

Project No.: 60135841.06
Site Name: Korkay, Inc. Site
Location: Broadalbin State: NY
Sampler(s): Mark Howard & Cristine Vinciguerra

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= _____ 10= _____ 11= _____

List preservative code below: 2

QA/QC Reporting Notes:
(check as needed)

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Trip Blank X2= _____ X3= _____

G=Grab C=Composite

Lab Id: J6580	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: TCL VOCs 8260
11	MW-6S	3/25/10	1525	G	GW	2				X
12	VEW-4	3/25/10	1215	G	GW	2				X
13	MW-8D	3/25/10	1500	G	GW	2				X
14	Trip Blank	3/26/10	855	G	~~WW~~	2				X

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☒ Other Category B

State specific reporting standards: NYS Category B

Relinquished by:	Received by:	Date:	Time:	Temp°C
Mark Howard Fedex	Fedex	3/25/10	1830	
	Ed Jaud	3/27/10	09:10	2°C

☒ EDD Format Excel No Clean up
☐ E-mail to john.santacroce@aecom.com

☐ Ambient ☒ Iced ☐ Refrigerated ☐ Fridge temp ___ °C ☐ Freezer temp ___ °C

6007

MITKEM LABORATORIES
Sample Condition Form

Received By: AED | Reviewed By: CT | Date: 3/29/10 | Mitkem Work Order #: J0580

Client Project: KORKAY | Client: EARTH NY

1) Cooler Sealed — (Yes) / No

2) Custody Seal(s) — (Present) / Absent
Coolers / Bottles
Intact / Broken

3) Custody Seal Number(s) N/A

4) Chain-of-Custody — (Present) / Absent

5) Cooler Temperature 2°C
IR Temp Gun ID MT-1
Coolant Condition ICED

6) Airbill(s) — (Present) / Absent
Airbill Number(s) FEDEX 8690 7923 7300

7) Samples Bottles — (Intact) / Broken / Leaking

8) Date Received 3/27/10

9) Time Received 9:10

Preservative Name/Lot No.:

Lab Sample ID		Preservation (pH) HNO_3	H_2SO_4	HCl	NaOH	H_3PO_4	VOA Matrix	Soil Headspace or Air Bubble ≥ 1/4"
J0580	01						H	
	02							
	03							
	04							
	05							
	06							
	07							
	08							
	09							
	10							
	11							
	12							
	13							
J0580	14						H	

AED 3/29/10

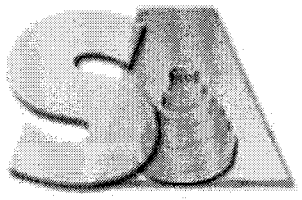
VOA Matrix Key:
US = Unpreserved Soil — A = Air
UA = Unpreserved Aqueous — H = HCl
M = MeOH — E = Encore
N = NaHSO4 — F = Freeze

See Sample Condition Notification/Corrective Action Form yes / (no)

Form ID: QAF.0006

Rad OK yes / no

MITKEM LABORATORIES



* Volatiles *

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5421.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-01A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5421.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	2.9	J
95-47-6	o-Xylene	2.1	J
1330-20-7	Xylene (Total)	5.0	
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.8	J
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	2.0	J
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	1.8	J

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5420.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	13	U
74-87-3	Chloromethane	6.7	J
75-01-4	Vinyl chloride	13	U
74-83-9	Bromomethane	13	U
75-00-3	Chloroethane	4.7	J
75-69-4	Trichlorofluoromethane	13	U
75-35-4	1,1-Dichloroethene	13	U
67-64-1	Acetone	13	U
74-88-4	Iodomethane	13	U
75-15-0	Carbon disulfide	13	U
75-09-2	Methylene chloride	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
1634-04-4	Methyl tert-butyl ether	13	U
75-34-3	1,1-Dichloroethane	13	U
108-05-4	Vinyl acetate	13	U
78-93-3	2-Butanone	13	U
156-59-2	cis-1,2-Dichloroethene	39	
594-20-7	2,2-Dichloropropane	13	U
74-97-5	Bromochloromethane	13	U
67-66-3	Chloroform	13	U
71-55-6	1,1,1-Trichloroethane	13	U
563-58-6	1,1-Dichloropropene	13	U
56-23-5	Carbon tetrachloride	13	U
107-06-2	1,2-Dichloroethane	13	U
71-43-2	Benzene	13	U
79-01-6	Trichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
74-95-3	Dibromomethane	13	U
75-27-4	Bromodichloromethane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
108-10-1	4-Methyl-2-pentanone	13	U
108-88-3	Toluene	3.4	J
10061-02-6	trans-1,3-Dichloropropene	13	U
79-00-5	1,1,2-Trichloroethane	13	U
142-28-9	1,3-Dichloropropane	13	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-02A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5420.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 2.5

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	13	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	13	U
106-93-4	1,2-Dibromoethane	13	U
108-90-7	Chlorobenzene	13	U
630-20-6	1,1,1,2-Tetrachloroethane	13	U
100-41-4	Ethylbenzene	28	
1330-20-7	m,p-Xylene	51	
95-47-6	o-Xylene	160	
1330-20-7	Xylene (Total)	220	
100-42-5	Styrene	13	U
75-25-2	Bromoform	13	U
98-82-8	Isopropylbenzene	12	J
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-86-1	Bromobenzene	13	U
96-18-4	1,2,3-Trichloropropane	13	U
103-65-1	n-Propylbenzene	19	
95-49-8	2-Chlorotoluene	13	U
108-67-8	1,3,5-Trimethylbenzene	200	
106-43-4	4-Chlorotoluene	13	U
98-06-6	tert-Butylbenzene	13	U
95-63-6	1,2,4-Trimethylbenzene	220	
135-98-8	sec-Butylbenzene	19	
99-87-6	4-Isopropyltoluene	59	
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
104-51-8	n-Butylbenzene	47	
95-50-1	1,2-Dichlorobenzene	19	
96-12-8	1,2-Dibromo-3-chloropropane	13	U
120-82-1	1,2,4-Trichlorobenzene	13	U
87-68-3	Hexachlorobutadiene	13	U
87-61-6	1,2,3-Trichlorobenzene	13	U
91-20-3	Naphthalene	78	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5422.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-03A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5422.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ASW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5419.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	25	U
74-87-3	Chloromethane	25	U
75-01-4	Vinyl chloride	25	U
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
75-69-4	Trichlorofluoromethane	25	U
75-35-4	1,1-Dichloroethene	25	U
67-64-1	Acetone	25	U
74-88-4	Iodomethane	25	U
75-15-0	Carbon disulfide	25	U
75-09-2	Methylene chloride	25	U
156-60-5	trans-1,2-Dichloroethene	25	U
1634-04-4	Methyl tert-butyl ether	25	U
75-34-3	1,1-Dichloroethane	25	U
108-05-4	Vinyl acetate	25	U
78-93-3	2-Butanone	25	U
156-59-2	cis-1,2-Dichloroethene	24	J
594-20-7	2,2-Dichloropropane	25	U
74-97-5	Bromochloromethane	25	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
563-58-6	1,1-Dichloropropene	25	U
56-23-5	Carbon tetrachloride	25	U
107-06-2	1,2-Dichloroethane	25	U
71-43-2	Benzene	25	U
79-01-6	Trichloroethene	25	U
78-87-5	1,2-Dichloropropane	25	U
74-95-3	Dibromomethane	25	U
75-27-4	Bromodichloromethane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	22	J
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
142-28-9	1,3-Dichloropropane	25	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ASW

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-04A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5419.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 5.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	25	U
591-78-6	2-Hexanone	25	U
124-48-1	Dibromochloromethane	25	U
106-93-4	1,2-Dibromoethane	25	U
108-90-7	Chlorobenzene	25	U
630-20-6	1,1,1,2-Tetrachloroethane	25	U
100-41-4	Ethylbenzene	150	
1330-20-7	m,p-Xylene	710	
95-47-6	o-Xylene	430	
1330-20-7	Xylene (Total)	1100	
100-42-5	Styrene	25	U
75-25-2	Bromoform	25	U
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-86-1	Bromobenzene	25	U
96-18-4	1,2,3-Trichloropropane	25	U
103-65-1	n-Propylbenzene	87	
95-49-8	2-Chlorotoluene	25	U
108-67-8	1,3,5-Trimethylbenzene	280	
106-43-4	4-Chlorotoluene	25	U
98-06-6	tert-Butylbenzene	25	U
95-63-6	1,2,4-Trimethylbenzene	860	
135-98-8	sec-Butylbenzene	37	
99-87-6	4-Isopropyltoluene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
104-51-8	n-Butylbenzene	73	
95-50-1	1,2-Dichlorobenzene	26	
96-12-8	1,2-Dibromo-3-chloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U
87-68-3	Hexachlorobutadiene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
91-20-3	Naphthalene	100	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5444.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	4.4	J
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUP-1

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-05A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5444.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	2.3	J
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	1.1	J
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FLUSH MOUNT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5445.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FLUSH MOUNT

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-06A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5445.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-15S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5466.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	1.0	J
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-15S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-07A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5466.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	1.1	J
135-98-8	sec-Butylbenzene	2.8	J
99-87-6	4-Isopropyltoluene	4.6	J
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	3.5	J
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5437.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	4.8	J
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K-3

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-08A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5437.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-15D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5438.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-15D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-09A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5438.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5439.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	2.5	J
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K-2

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-10A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5439.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	2.5	J
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	1.3	J
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5440.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8S

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-11A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5440.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-4

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5441.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	6.1	
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	1.0	J
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

VEW-4

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-12A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5441.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	1.5	J
95-47-6	o-Xylene	2.5	J
1330-20-7	Xylene (Total)	4.0	J
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	2.1	J
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	3.1	J
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5442.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	3.1	J
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8D

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-13A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5442.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5436.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	7.7	
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	1.0	J
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: J0580-14A

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5436.D

Level: (TRACE/LOW/MED) LOW Date Received: 03/27/2010

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-50370

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5404.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	36	
74-87-3	Chloromethane	44	
75-01-4	Vinyl chloride	44	
74-83-9	Bromomethane	44	
75-00-3	Chloroethane	41	
75-69-4	Trichlorofluoromethane	47	
75-35-4	1,1-Dichloroethene	51	
67-64-1	Acetone	44	
74-88-4	Iodomethane	52	
75-15-0	Carbon disulfide	50	
75-09-2	Methylene chloride	51	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	46	
75-34-3	1,1-Dichloroethane	48	
108-05-4	Vinyl acetate	47	
78-93-3	2-Butanone	57	
156-59-2	cis-1,2-Dichloroethene	51	
594-20-7	2,2-Dichloropropane	48	
74-97-5	Bromochloromethane	53	
67-66-3	Chloroform	48	
71-55-6	1,1,1-Trichloroethane	49	
563-58-6	1,1-Dichloropropene	54	
56-23-5	Carbon tetrachloride	48	
107-06-2	1,2-Dichloroethane	47	
71-43-2	Benzene	52	
79-01-6	Trichloroethene	54	
78-87-5	1,2-Dichloropropane	50	
74-95-3	Dibromomethane	52	
75-27-4	Bromodichloromethane	50	
10061-01-5	cis-1;3-Dichloropropene	50	
108-10-1	4-Methyl-2-pentanone	53	
108-88-3	Toluene	54	
10061-02-6	trans-1,3-Dichloropropene	50	
79-00-5	1,1,2-Trichloroethane	54	
142-28-9	1,3-Dichloropropane	49	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-50370

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5404.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	53	
591-78-6	2-Hexanone	50	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	53	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	52	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	54	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	51	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	51	
103-65-1	n-Propylbenzene	51	
95-49-8	2-Chlorotoluene	51	
108-67-8	1,3,5-Trimethylbenzene	50	
106-43-4	4-Chlorotoluene	51	
98-06-6	tert-Butylbenzene	51	
95-63-6	1,2,4-Trimethylbenzene	50	
135-98-8	sec-Butylbenzene	52	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	52	
106-46-7	1,4-Dichlorobenzene	51	
104-51-8	n-Butylbenzene	51	
95-50-1	1,2-Dichlorobenzene	52	
96-12-8	1,2-Dibromo-3-chloropropane	50	
120-82-1	1,2,4-Trichlorobenzene	51	
87-68-3	Hexachlorobutadiene	47	
87-61-6	1,2,3-Trichlorobenzene	50	
91-20-3	Naphthalene	54	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-50406

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5432.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	39	
74-87-3	Chloromethane	51	
75-01-4	Vinyl chloride	54	
74-83-9	Bromomethane	52	
75-00-3	Chloroethane	53	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	49	
67-64-1	Acetone	39	
74-88-4	Iodomethane	49	
75-15-0	Carbon disulfide	50	
75-09-2	Methylene chloride	53	
156-60-5	trans-1,2-Dichloroethene	51	
1634-04-4	Methyl tert-butyl ether	56	
75-34-3	1,1-Dichloroethane	55	
108-05-4	Vinyl acetate	57	
78-93-3	2-Butanone	61	
156-59-2	cis-1,2-Dichloroethene	50	
594-20-7	2,2-Dichloropropane	56	
74-97-5	Bromochloromethane	52	
67-66-3	Chloroform	54	
71-55-6	1,1,1-Trichloroethane	55	
563-58-6	1,1-Dichloropropene	52	
56-23-5	Carbon tetrachloride	54	
107-06-2	1,2-Dichloroethane	56	
71-43-2	Benzene	54	
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	54	
74-95-3	Dibromomethane	52	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	53	
108-10-1	4-Methyl-2-pentanone	61	
108-88-3	Toluene	51	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	51	
142-28-9	1,3-Dichloropropane	52	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-50406

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5432.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	47	
591-78-6	2-Hexanone	59	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	51	
108-90-7	Chlorobenzene	49	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	49	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	49	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	49	
75-25-2	Bromoform	51	
98-82-8	Isopropylbenzene	50	
79-34-5	1,1,2,2-Tetrachloroethane	55	
108-86-1	Bromobenzene	50	
96-18-4	1,2,3-Trichloropropane	57	
103-65-1	n-Propylbenzene	50	
95-49-8	2-Chlorotoluene	50	
108-67-8	1,3,5-Trimethylbenzene	52	
106-43-4	4-Chlorotoluene	49	
98-06-6	tert-Butylbenzene	52	
95-63-6	1,2,4-Trimethylbenzene	52	
135-98-8	sec-Butylbenzene	52	
99-87-6	4-Isopropyltoluene	52	
541-73-1	1,3-Dichlorobenzene	49	
106-46-7	1,4-Dichlorobenzene	49	
104-51-8	n-Butylbenzene	52	
95-50-1	1,2-Dichlorobenzene	49	
96-12-8	1,2-Dibromo-3-chloropropane	58	
120-82-1	1,2,4-Trichlorobenzene	48	
87-68-3	Hexachlorobutadiene	47	
87-61-6	1,2,3-Trichlorobenzene	47	
91-20-3	Naphthalene	52	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-50434

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5462.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	37	
74-87-3	Chloromethane	50	
75-01-4	Vinyl chloride	50	
74-83-9	Bromomethane	53	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	52	
75-35-4	1,1-Dichloroethene	51	
67-64-1	Acetone	47	
74-88-4	Iodomethane	51	
75-15-0	Carbon disulfide	53	
75-09-2	Methylene chloride	54	
156-60-5	trans-1,2-Dichloroethene	54	
1634-04-4	Methyl tert-butyl ether	52	
75-34-3	1,1-Dichloroethane	55	
108-05-4	Vinyl acetate	55	
78-93-3	2-Butanone	53	
156-59-2	cis-1,2-Dichloroethene	53	
594-20-7	2,2-Dichloropropane	56	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	55	
71-55-6	1,1,1-Trichloroethane	56	
563-58-6	1,1-Dichloropropene	55	
56-23-5	Carbon tetrachloride	55	
107-06-2	1,2-Dichloroethane	54	
71-43-2	Benzene	57	
79-01-6	Trichloroethene	55	
78-87-5	1,2-Dichloropropane	55	
74-95-3	Dibromomethane	51	
75-27-4	Bromodichloromethane	55	
10061-01-5	cis-1,3-Dichloropropene	55	
108-10-1	4-Methyl-2-pentanone	54	
108-88-3	Toluene	55	
10061-02-6	trans-1,3-Dichloropropene	55	
79-00-5	1,1,2-Trichloroethane	52	
142-28-9	1,3-Dichloropropane	53	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCS-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCS-50434

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5462.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	51	
591-78-6	2-Hexanone	53	
124-48-1	Dibromochloromethane	52	
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	53	
630-20-6	1,1,1,2-Tetrachloroethane	52	
100-41-4	Ethylbenzene	53	
1330-20-7	m,p-Xylene	110	
95-47-6	o-Xylene	52	
1330-20-7	Xylene (Total)	160	
100-42-5	Styrene	53	
75-25-2	Bromoform	51	
98-82-8	Isopropylbenzene	53	
79-34-5	1,1,2,2-Tetrachloroethane	53	
108-86-1	Bromobenzene	53	
96-18-4	1,2,3-Trichloropropane	57	
103-65-1	n-Propylbenzene	54	
95-49-8	2-Chlorotoluene	55	
108-67-8	1,3,5-Trimethylbenzene	55	
106-43-4	4-Chlorotoluene	54	
98-06-6	tert-Butylbenzene	55	
95-63-6	1,2,4-Trimethylbenzene	55	
135-98-8	sec-Butylbenzene	55	
99-87-6	4-Isopropyltoluene	55	
541-73-1	1,3-Dichlorobenzene	53	
106-46-7	1,4-Dichlorobenzene	53	
104-51-8	n-Butylbenzene	55	
95-50-1	1,2-Dichlorobenzene	53	
96-12-8	1,2-Dibromo-3-chloropropane	54	
120-82-1	1,2,4-Trichlorobenzene	50	
87-68-3	Hexachlorobutadiene	47	
87-61-6	1,2,3-Trichlorobenzene	49	
91-20-3	Naphthalene	52	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-50434

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5463.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	36	
74-87-3	Chloromethane	51	
75-01-4	Vinyl chloride	51	
74-83-9	Bromomethane	50	
75-00-3	Chloroethane	54	
75-69-4	Trichlorofluoromethane	48	
75-35-4	1,1-Dichloroethene	47	
67-64-1	Acetone	69	
74-88-4	Iodomethane	48	
75-15-0	Carbon disulfide	50	
75-09-2	Methylene chloride	51	
156-60-5	trans-1,2-Dichloroethene	49	
1634-04-4	Methyl tert-butyl ether	53	
75-34-3	1,1-Dichloroethane	53	
108-05-4	Vinyl acetate	54	
78-93-3	2-Butanone	71	
156-59-2	cis-1,2-Dichloroethene	50	
594-20-7	2,2-Dichloropropane	54	
74-97-5	Bromochloromethane	51	
67-66-3	Chloroform	51	
71-55-6	1,1,1-Trichloroethane	54	
563-58-6	1,1-Dichloropropene	52	
56-23-5	Carbon tetrachloride	53	
107-06-2	1,2-Dichloroethane	53	
71-43-2	Benzene	53	
79-01-6	Trichloroethene	51	
78-87-5	1,2-Dichloropropane	53	
74-95-3	Dibromomethane	50	
75-27-4	Bromodichloromethane	53	
10061-01-5	cis-1,3-Dichloropropene	52	
108-10-1	4-Methyl-2-pentanone	63	
108-88-3	Toluene	52	
10061-02-6	trans-1,3-Dichloropropene	53	
79-00-5	1,1,2-Trichloroethane	50	
142-28-9	1,3-Dichloropropane	52	

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LCSD-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: LCSD-50434

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5463.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	49	
591-78-6	2-Hexanone	61	
124-48-1	Dibromochloromethane	51	
106-93-4	1,2-Dibromoethane	50	
108-90-7	Chlorobenzene	50	
630-20-6	1,1,1,2-Tetrachloroethane	51	
100-41-4	Ethylbenzene	50	
1330-20-7	m,p-Xylene	100	
95-47-6	o-Xylene	50	
1330-20-7	Xylene (Total)	150	
100-42-5	Styrene	50	
75-25-2	Bromoform	50	
98-82-8	Isopropylbenzene	52	
79-34-5	1,1,2,2-Tetrachloroethane	56	
108-86-1	Bromobenzene	51	
96-18-4	1,2,3-Trichloropropane	53	
103-65-1	n-Propylbenzene	52	
95-49-8	2-Chlorotoluene	52	
108-67-8	1,3,5-Trimethylbenzene	55	
106-43-4	4-Chlorotoluene	52	
98-06-6	tert-Butylbenzene	53	
95-63-6	1,2,4-Trimethylbenzene	54	
135-98-8	sec-Butylbenzene	54	
99-87-6	4-Isopropyltoluene	53	
541-73-1	1,3-Dichlorobenzene	50	
106-46-7	1,4-Dichlorobenzene	51	
104-51-8	n-Butylbenzene	54	
95-50-1	1,2-Dichlorobenzene	51	
96-12-8	1,2-Dibromo-3-chloropropane	64	
120-82-1	1,2,4-Trichlorobenzene	50	
87-68-3	Hexachlorobutadiene	47	
87-61-6	1,2,3-Trichlorobenzene	50	
91-20-3	Naphthalene	55	

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-50370

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5407.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-50370

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5407.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/05/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-50406

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5434.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-50406

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5434.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/06/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

1A - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-50434

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5465.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl chloride	5.0	U
74-83-9	Bromomethane	5.0	U
75-00-3	Chloroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
67-64-1	Acetone	5.0	U
74-88-4	Iodomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
1634-04-4	Methyl tert-butyl ether	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	5.0	U
78-93-3	2-Butanone	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
594-20-7	2,2-Dichloropropane	5.0	U
74-97-5	Bromochloromethane	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
563-58-6	1,1-Dichloropropene	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
142-28-9	1,3-Dichloropropane	5.0	U

1B - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MB-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Matrix: (SOIL/SED/WATER) WATER Lab Sample ID: MB-50434

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: V2L5465.D

Level: (TRACE/LOW/MED) LOW Date Received:

% Moisture: not dec. Date Analyzed: 04/07/2010

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Purge Volume: 5.0 (mL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) µG/L	Q
127-18-4	Tetrachloroethene	5.0	U
591-78-6	2-Hexanone	5.0	U
124-48-1	Dibromochloromethane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
1330-20-7	m,p-Xylene	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylene (Total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
108-86-1	Bromobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-49-8	2-Chlorotoluene	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
106-43-4	4-Chlorotoluene	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
99-87-6	4-Isopropyltoluene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
104-51-8	n-Butylbenzene	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
91-20-3	Naphthalene	5.0	U

2B - FORM II VOA-2

WATER VOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Level: (TRACE or LOW) LOW

	CLIENT SAMPLE NO.	VDMC1 (DBFM) #	VDMC2 (DCE) #	VDMC3 (TOL) #	VDMC4 (BFB) #				TOT OUT
01	LCS-50370	95	104	98	98				0
02	MB-50370	98	102	95	93				0
03	ASW	107	97	98	106				0
04	VEW-1	103	93	94	105				0
05	VEW-3	106	93	99	104				0
06	VEW-2	108	97	98	101				0
07	LCS-50406	101	104	99	100				0
08	MB-50406	106	106	98	101				0
09	TRIP BLANK	99	97	95	96				0
10	K-3	103	106	94	97				0
11	MW-15D	100	102	98	95				0
12	K-2	99	100	96	94				0
13	MW-8S	102	101	98	97				0
14	VEW-4	97	98	97	92				0
15	MW-8D	101	99	93	90				0
16	DUP-1	102	100	96	93				0
17	FLUSH MOUNT	102	103	96	94				0
18	LCS-50434	99	93	98	96				0
19	LCSD-50434	100	102	99	101				0
20	MB-50434	102	100	97	99				0
21	MW-15S	102	99	95	94				0

		QC LIMITS
VDMC1	(DBFM) Dibromofluoromethane	(85-115)
VDMC2	(DCE) = 1,2-Dichloroethane-d4	(70-120)
VDMC3	(TOL) = Toluene-d8	(85-120)
VDMC4	(BFB) = Bromofluorobenzene	(75-120)

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOM_002

SW846

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCS-50370 LCS Lot No.:

Date Extracted: 04/05/2010 Date Analyzed (1): 04/05/2010

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	35.6762	71		30 - 155
Chloromethane	50.0000	0.0000	44.2827	89		40 - 125
Vinyl chloride	50.0000	0.0000	44.3264	89		50 - 145
Bromomethane	50.0000	0.0000	44.3287	89		30 - 145
Chloroethane	50.0000	0.0000	40.9963	82		60 - 135
Trichlorofluoromethane	50.0000	0.0000	47.4743	95		60 - 145
1,1-Dichloroethene	50.0000	0.0000	50.5747	101		70 - 130
Acetone	50.0000	0.0000	44.1508	88		40 - 140
Iodomethane	50.0000	0.0000	52.0323	104		72 - 121
Carbon disulfide	50.0000	0.0000	49.7544	100		35 - 160
Methylene chloride	50.0000	0.0000	50.6693	101		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	51.3316	103		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	46.3833	93		65 - 125
1,1-Dichloroethane	50.0000	0.0000	47.6615	95		70 - 135
Vinyl acetate	50.0000	0.0000	47.0016	94		38 - 163
2-Butanone	50.0000	0.0000	56.5386	113		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	51.4699	103		70 - 125
2,2-Dichloropropane	50.0000	0.0000	48.0088	96		70 - 135
Bromochloromethane	50.0000	0.0000	53.4004	107		65 - 130
Chloroform	50.0000	0.0000	48.2252	96		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	48.9361	98		65 - 130
1,1-Dichloropropene	50.0000	0.0000	53.5705	107		75 - 130
Carbon tetrachloride	50.0000	0.0000	48.0314	96		65 - 140
1,2-Dichloroethane	50.0000	0.0000	46.5424	93		70 - 130
Benzene	50.0000	0.0000	52.1656	104		80 - 120
Trichloroethene	50.0000	0.0000	54.2366	108		70 - 125
1,2-Dichloropropane	50.0000	0.0000	50.0104	100		75 - 125
Dibromomethane	50.0000	0.0000	51.5543	103		75 - 125
Bromodichloromethane	50.0000	0.0000	50.0270	100		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	50.4181	101		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	52.8149	106		60 - 135
Toluene	50.0000	0.0000	53.7164	107		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	50.4345	101		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	54.0070	108		75 - 125
1,3-Dichloropropane	50.0000	0.0000	49.3795	99		75 - 125
Tetrachloroethene	50.0000	0.0000	52.6865	105		45 - 150
2-Hexanone	50.0000	0.0000	50.3003	101		55 - 130
Dibromochloromethane	50.0000	0.0000	50.5430	101		60 - 135
1,2-Dibromoethane	50.0000	0.0000	51.4606	103		80 - 120
Chlorobenzene	50.0000	0.0000	53.0098	106		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	51.0126	102		80 - 130
Ethylbenzene	50.0000	0.0000	51.6622	103		75 - 125
m,p-Xylene	100.0000	0.0000	104.8032	105		75 - 130
o-Xylene	50.0000	0.0000	52.2814	105		80 - 120

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCS-50370 LCS Lot No.:

Date Extracted: 04/05/2010 Date Analyzed (1): 04/05/2010

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	157.0846	105		81 - 121
Styrene	50.0000	0.0000	52.9546	106		65 - 135
Bromoform	50.0000	0.0000	53.8384	108		70 - 130
Isopropylbenzene	50.0000	0.0000	52.8596	106		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	50.8629	102		65 - 130
Bromobenzene	50.0000	0.0000	50.9177	102		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	51.2953	103		75 - 125
n-Propylbenzene	50.0000	0.0000	51.3248	103		70 - 130
2-Chlorotoluene	50.0000	0.0000	51.4300	103		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	50.1330	100		75 - 130
4-Chlorotoluene	50.0000	0.0000	50.5840	101		75 - 130
tert-Butylbenzene	50.0000	0.0000	50.9175	102		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	49.9346	100		75 - 130
sec-Butylbenzene	50.0000	0.0000	51.6187	103		70 - 125
4-Isopropyltoluene	50.0000	0.0000	51.5613	103		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	51.9102	104		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	51.2301	102		75 - 125
n-Butylbenzene	50.0000	0.0000	50.7181	101		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	52.3046	105		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	50.2686	101		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	51.2897	103		65 - 135
Hexachlorobutadiene	50.0000	0.0000	47.1937	94		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	50.3703	101		55 - 140
Naphthalene	50.0000	0.0000	53.9447	108		55 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCS-50406 LCS Lot No.:

Date Extracted: 04/06/2010 Date Analyzed (1): 04/06/2010

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	39.1986	78		30 - 155
Chloromethane	50.0000	0.0000	51.2083	102		40 - 125
Vinyl chloride	50.0000	0.0000	53.5641	107		50 - 145
Bromomethane	50.0000	0.0000	51.8326	104		30 - 145
Chloroethane	50.0000	0.0000	52.9610	106		60 - 135
Trichlorofluoromethane	50.0000	0.0000	51.5838	103		60 - 145
1,1-Dichloroethene	50.0000	0.0000	49.2767	99		70 - 130
Acetone	50.0000	0.0000	39.0805	78		40 - 140
Iodomethane	50.0000	0.0000	48.7491	97		72 - 121
Carbon disulfide	50.0000	0.0000	50.0793	100		35 - 160
Methylene chloride	50.0000	0.0000	52.7933	106		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	50.5725	101		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	56.3388	113		65 - 125
1,1-Dichloroethane	50.0000	0.0000	54.6013	109		70 - 135
Vinyl acetate	50.0000	0.0000	57.3459	115		38 - 163
2-Butanone	50.0000	0.0000	60.5705	121		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	50.4507	101		70 - 125
2,2-Dichloropropane	50.0000	0.0000	55.7498	111		70 - 135
Bromochloromethane	50.0000	0.0000	51.6766	103		65 - 130
Chloroform	50.0000	0.0000	54.1282	108		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	54.5996	109		65 - 130
1,1-Dichloropropene	50.0000	0.0000	51.8196	104		75 - 130
Carbon tetrachloride	50.0000	0.0000	54.4133	109		65 - 140
1,2-Dichloroethane	50.0000	0.0000	56.3946	113		70 - 130
Benzene	50.0000	0.0000	53.5442	107		80 - 120
Trichloroethene	50.0000	0.0000	50.3036	101		70 - 125
1,2-Dichloropropane	50.0000	0.0000	53.5072	107		75 - 125
Dibromomethane	50.0000	0.0000	52.3165	105		75 - 125
Bromodichloromethane	50.0000	0.0000	54.8615	110		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	53.2246	106		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	60.8873	122		60 - 135
Toluene	50.0000	0.0000	50.8295	102		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	54.7925	110		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	51.0265	102		75 - 125
1,3-Dichloropropane	50.0000	0.0000	51.9190	104		75 - 125
Tetrachloroethene	50.0000	0.0000	47.3810	95		45 - 150
2-Hexanone	50.0000	0.0000	59.0992	118		55 - 130
Dibromochloromethane	50.0000	0.0000	51.7214	103		60 - 135
1,2-Dibromoethane	50.0000	0.0000	50.8417	102		80 - 120
Chlorobenzene	50.0000	0.0000	49.4868	99		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	50.5258	101		80 - 130
Ethylbenzene	50.0000	0.0000	48.8533	98		75 - 125
m,p-Xylene	100.0000	0.0000	99.6242	100		75 - 130
o-Xylene	50.0000	0.0000	48.7866	98		80 - 120

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCS-50406 LCS Lot No.:

Date Extracted: 04/06/2010 Date Analyzed (1): 04/06/2010

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	148.4107	99		81 - 121
Styrene	50.0000	0.0000	49.3631	99		65 - 135
Bromoform	50.0000	0.0000	51.4200	103		70 - 130
Isopropylbenzene	50.0000	0.0000	50.1895	100		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	55.1406	110		65 - 130
Bromobenzene	50.0000	0.0000	49.8307	100		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	57.3833	115		75 - 125
n-Propylbenzene	50.0000	0.0000	49.7402	99		70 - 130
2-Chlorotoluene	50.0000	0.0000	50.4747	101		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	52.3608	105		75 - 130
4-Chlorotoluene	50.0000	0.0000	48.9552	98		75 - 130
tert-Butylbenzene	50.0000	0.0000	51.5136	103		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	51.6270	103		75 - 130
sec-Butylbenzene	50.0000	0.0000	51.6375	103		70 - 125
4-Isopropyltoluene	50.0000	0.0000	51.7779	104		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	48.8280	98		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	48.8162	98		75 - 125
n-Butylbenzene	50.0000	0.0000	51.9908	104		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	49.4648	99		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	57.8311	116		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	47.8746	96		65 - 135
Hexachlorobutadiene	50.0000	0.0000	46.8214	94		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	46.5407	93		55 - 140
Naphthalene	50.0000	0.0000	51.6141	103		55 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE RECOVERY

CLIENT SAMPLE NO.

LCS-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCS-50434 LCS Lot No.:

Date Extracted: 04/07/2010 Date Analyzed (1): 04/07/2010

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Dichlorodifluoromethane	50.0000	0.0000	36.9082	74		30 - 155
Chloromethane	50.0000	0.0000	49.9702	100		40 - 125
Vinyl chloride	50.0000	0.0000	50.2144	100		50 - 145
Bromomethane	50.0000	0.0000	52.9867	106		30 - 145
Chloroethane	50.0000	0.0000	53.8052	108		60 - 135
Trichlorofluoromethane	50.0000	0.0000	51.7642	104		60 - 145
1,1-Dichloroethene	50.0000	0.0000	51.1020	102		70 - 130
Acetone	50.0000	0.0000	46.8455	94		40 - 140
Iodomethane	50.0000	0.0000	51.3057	103		72 - 121
Carbon disulfide	50.0000	0.0000	53.1463	106		35 - 160
Methylene chloride	50.0000	0.0000	53.7142	107		55 - 140
trans-1,2-Dichloroethene	50.0000	0.0000	53.8621	108		60 - 140
Methyl tert-butyl ether	50.0000	0.0000	52.3769	105		65 - 125
1,1-Dichloroethane	50.0000	0.0000	55.1225	110		70 - 135
Vinyl acetate	50.0000	0.0000	55.1747	110		38 - 163
2-Butanone	50.0000	0.0000	52.8377	106		30 - 150
cis-1,2-Dichloroethene	50.0000	0.0000	53.0869	106		70 - 125
2,2-Dichloropropane	50.0000	0.0000	56.0070	112		70 - 135
Bromochloromethane	50.0000	0.0000	51.2108	102		65 - 130
Chloroform	50.0000	0.0000	54.6925	109		65 - 135
1,1,1-Trichloroethane	50.0000	0.0000	55.7549	112		65 - 130
1,1-Dichloropropene	50.0000	0.0000	54.9280	110		75 - 130
Carbon tetrachloride	50.0000	0.0000	54.8007	110		65 - 140
1,2-Dichloroethane	50.0000	0.0000	53.5969	107		70 - 130
Benzene	50.0000	0.0000	56.5413	113		80 - 120
Trichloroethene	50.0000	0.0000	54.7171	109		70 - 125
1,2-Dichloropropane	50.0000	0.0000	55.3013	111		75 - 125
Dibromomethane	50.0000	0.0000	51.3869	103		75 - 125
Bromodichloromethane	50.0000	0.0000	55.3120	111		75 - 120
cis-1,3-Dichloropropene	50.0000	0.0000	54.9180	110		70 - 130
4-Methyl-2-pentanone	50.0000	0.0000	54.1109	108		60 - 135
Toluene	50.0000	0.0000	54.5358	109		75 - 120
trans-1,3-Dichloropropene	50.0000	0.0000	55.2929	111		55 - 140
1,1,2-Trichloroethane	50.0000	0.0000	52.0076	104		75 - 125
1,3-Dichloropropane	50.0000	0.0000	52.8295	106		75 - 125
Tetrachloroethene	50.0000	0.0000	51.2681	103		45 - 150
2-Hexanone	50.0000	0.0000	53.0193	106		55 - 130
Dibromochloromethane	50.0000	0.0000	52.4089	105		60 - 135
1,2-Dibromoethane	50.0000	0.0000	50.4099	101		80 - 120
Chlorobenzene	50.0000	0.0000	52.7122	105		80 - 120
1,1,1,2-Tetrachloroethane	50.0000	0.0000	52.1027	104		80 - 130
Ethylbenzene	50.0000	0.0000	52.8036	106		75 - 125
m,p-Xylene	100.0000	0.0000	106.2935	106		75 - 130
o-Xylene	50.0000	0.0000	51.5482	103		80 - 120

3 - FORM III
WATER LABORATORY CONTROL
SAMPLE RECOVERY

CLIENT SAMPLE NO.
LCS-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCS-50434 LCS Lot No.:

Date Extracted: 04/07/2010 Date Analyzed (1): 04/07/2010

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS %REC	#	QC. LIMITS REC.
Xylene (Total)	150.0000	0.0000	157.8417	105		81 - 121
Styrene	50.0000	0.0000	52.7267	105		65 - 135
Bromoform	50.0000	0.0000	51.2522	103		70 - 130
Isopropylbenzene	50.0000	0.0000	53.3731	107		75 - 125
1,1,2,2-Tetrachloroethane	50.0000	0.0000	53.3329	107		65 - 130
Bromobenzene	50.0000	0.0000	53.3639	107		75 - 125
1,2,3-Trichloropropane	50.0000	0.0000	56.5865	113		75 - 125
n-Propylbenzene	50.0000	0.0000	53.8373	108		70 - 130
2-Chlorotoluene	50.0000	0.0000	54.5216	109		75 - 125
1,3,5-Trimethylbenzene	50.0000	0.0000	54.8330	110		75 - 130
4-Chlorotoluene	50.0000	0.0000	53.5547	107		75 - 130
tert-Butylbenzene	50.0000	0.0000	54.7964	110		70 - 130
1,2,4-Trimethylbenzene	50.0000	0.0000	54.8982	110		75 - 130
sec-Butylbenzene	50.0000	0.0000	54.8489	110		70 - 125
4-Isopropyltoluene	50.0000	0.0000	54.8836	110		75 - 130
1,3-Dichlorobenzene	50.0000	0.0000	52.7551	106		75 - 125
1,4-Dichlorobenzene	50.0000	0.0000	52.6128	105		75 - 125
n-Butylbenzene	50.0000	0.0000	54.5729	109		70 - 135
1,2-Dichlorobenzene	50.0000	0.0000	52.6692	105		70 - 120
1,2-Dibromo-3-chloropropan	50.0000	0.0000	54.2982	109		50 - 130
1,2,4-Trichlorobenzene	50.0000	0.0000	49.9846	100		65 - 135
Hexachlorobutadiene	50.0000	0.0000	47.3901	95		50 - 140
1,2,3-Trichlorobenzene	50.0000	0.0000	49.3268	99		55 - 140
Naphthalene	50.0000	0.0000	51.8173	104		55 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCSD-50434 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	50.0000	36.4890	73		1		40	30 - 155
Chloromethane	50.0000	51.2704	103		3		40	40 - 125
Vinyl chloride	50.0000	50.9463	102		2		40	50 - 145
Bromomethane	50.0000	49.8339	100		6		40	30 - 145
Chloroethane	50.0000	53.6340	107		1		40	60 - 135
Trichlorofluoromethane	50.0000	48.4555	97		7		40	60 - 145
1,1-Dichloroethene	50.0000	47.3079	95		7		40	70 - 130
Acetone	50.0000	68.5844	137		37		40	40 - 140
Iodomethane	50.0000	47.7370	95		8		40	72 - 121
Carbon disulfide	50.0000	49.6650	99		7		40	35 - 160
Methylene chloride	50.0000	51.0205	102		5		40	55 - 140
trans-1,2-Dichloroethene	50.0000	49.4643	99		9		40	60 - 140
Methyl tert-butyl ether	50.0000	52.7295	105		0		40	65 - 125
1,1-Dichloroethane	50.0000	52.8597	106		4		40	70 - 135
Vinyl acetate	50.0000	53.9516	108		2		40	38 - 163
2-Butanone	50.0000	70.8272	142		29		40	30 - 150
cis-1,2-Dichloroethene	50.0000	49.8829	100		6		40	70 - 125
2,2-Dichloropropane	50.0000	53.6611	107		5		40	70 - 135
Bromochloromethane	50.0000	50.6218	101		1		40	65 - 130
Chloroform	50.0000	51.3515	103		6		40	65 - 135
1,1,1-Trichloroethane	50.0000	53.5957	107		5		40	65 - 130
1,1-Dichloropropene	50.0000	52.1901	104		6		40	75 - 130
Carbon tetrachloride	50.0000	52.9106	106		4		40	65 - 140
1,2-Dichloroethane	50.0000	52.7046	105		2		40	70 - 130
Benzene	50.0000	53.0150	106		6		40	80 - 120
Trichloroethene	50.0000	50.8877	102		7		40	70 - 125
1,2-Dichloropropane	50.0000	52.6124	105		6		40	75 - 125
Dibromomethane	50.0000	50.2185	100		3		40	75 - 125
Bromodichloromethane	50.0000	52.9595	106		5		40	75 - 120
cis-1,3-Dichloropropene	50.0000	52.0436	104		6		40	70 - 130
4-Methyl-2-pentanone	50.0000	62.5747	125		15		40	60 - 135
Toluene	50.0000	52.1985	104		5		40	75 - 120
trans-1,3-Dichloropropene	50.0000	52.7816	106		5		40	55 - 140
1,1,2-Trichloroethane	50.0000	49.7748	100		4		40	75 - 125
1,3-Dichloropropane	50.0000	51.5857	103		3		40	75 - 125
Tetrachloroethene	50.0000	48.5765	97		6		40	45 - 150
2-Hexanone	50.0000	61.2460	122		14		40	55 - 130
Dibromochloromethane	50.0000	50.6863	101		4		40	60 - 135
1,2-Dibromoethane	50.0000	49.5380	99		2		40	80 - 120
Chlorobenzene	50.0000	49.9961	100		5		40	80 - 120
1,1,1,2-Tetrachloroethane	50.0000	50.9798	102		2		40	80 - 130
Ethylbenzene	50.0000	49.9720	100		6		40	75 - 125
m,p-Xylene	100.0000	102.1581	102		4		40	75 - 130
o-Xylene	50.0000	49.9925	100		3		40	80 - 120
Xylene (Total)	150.0000	152.1506	101		4		40	81 - 121
Styrene	50.0000	50.1896	100		5		40	65 - 135

3 - FORM III

WATER LABORATORY CONTROL

SAMPLE DUPLICATE RECOVERY

EPA SAMPLE NO.

LCSD-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab Sample ID: LCSD-50434 LCS Lot No.:

COMPOUND	SPIKE ADDED	LCSD CONCENTRATION	LCSD %REC	#	%RPD	#	QC LIMITS RPD	QC LIMITS REC.
Bromoform	50.0000	50.3378	101		2		40	70 - 130
Isopropylbenzene	50.0000	51.9189	104		3		40	75 - 125
1,1,2,2-Tetrachloroethane	50.0000	56.1631	112		5		40	65 - 130
Bromobenzene	50.0000	51.4018	103		4		40	75 - 125
1,2,3-Trichloropropane	50.0000	53.1388	106		6		40	75 - 125
n-Propylbenzene	50.0000	51.5067	103		5		40	70 - 130
2-Chlorotoluene	50.0000	51.9619	104		5		40	75 - 125
1,3,5-Trimethylbenzene	50.0000	54.7410	109		1		40	75 - 130
4-Chlorotoluene	50.0000	52.2381	104		3		40	75 - 130
tert-Butylbenzene	50.0000	53.4560	107		3		40	70 - 130
1,2,4-Trimethylbenzene	50.0000	53.6135	107		3		40	75 - 130
sec-Butylbenzene	50.0000	54.0527	108		2		40	70 - 125
4-Isopropyltoluene	50.0000	53.4945	107		3		40	75 - 130
1,3-Dichlorobenzene	50.0000	50.3035	101		5		40	75 - 125
1,4-Dichlorobenzene	50.0000	50.8049	102		3		40	75 - 125
n-Butylbenzene	50.0000	54.3515	109		0		40	70 - 135
1,2-Dichlorobenzene	50.0000	50.6501	101		4		40	70 - 120
1,2-Dibromo-3-chloropropan	50.0000	64.0658	128		16		40	50 - 130
1,2,4-Trichlorobenzene	50.0000	49.6591	99		1		40	65 - 135
Hexachlorobutadiene	50.0000	46.5547	93		2		40	50 - 140
1,2,3-Trichlorobenzene	50.0000	49.6781	99		0		40	55 - 140
Naphthalene	50.0000	54.5919	109		5		40	55 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 68 outside limits

Spike Recovery: 0 out of 68 outside limits

COMMENTS:

4A - FORM IV VOA
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.
MB-50370

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab File ID: V2L5407.D Lab Sample ID: MB-50370

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 04/05/2010

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:46

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-50370	LCS-50370	V2L5404.D	9:06
02	ASW	J0580-04A	V2L5419.D	18:07
03	VEW-1	J0580-02A	V2L5420.D	18:40
04	VEW-3	J0580-01A	V2L5421.D	19:13
05	VEW-2	J0580-03A	V2L5422.D	19:46

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-50406

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab File ID: V2L5434.D Lab Sample ID: MB-50406

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 04/06/2010

Level: (TRACE or LOW/MED) LOW Time Analyzed: 9:46

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-50406	LCS-50406	V2L5432.D	8:39
02	TRIP BLANK	J0580-14A	V2L5436.D	10:52
03	K-3	J0580-08A	V2L5437.D	11:25
04	MW-15D	J0580-09A	V2L5438.D	11:58
05	K-2	J0580-10A	V2L5439.D	12:32
06	MW-8S	J0580-11A	V2L5440.D	13:05
07	VEW-4	J0580-12A	V2L5441.D	13:38
08	MW-8D	J0580-13A	V2L5442.D	14:11
09	DUP-1	J0580-05A	V2L5444.D	15:17
10	FLUSH MOUNT	J0580-06A	V2L5445.D	15:51

COMMENTS:

4A - FORM IV VOA

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

MB-50434

Lab Name: MITKEM LABORATORIES Contract:

Lab Code: MITKEM Case No.: J0580 Mod. Ref No.: SDG No.: SJ0580

Lab File ID: V2L5465.D Lab Sample ID: MB-50434

Instrument ID: V2

Matrix: (SOIL/SED/WATER) WATER Date Analyzed: 04/07/2010

Level: (TRACE or LOW/MED) LOW Time Analyzed: 10:29

GC Column: DB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-50434	LCS-50434	V2L5462.D	8:49
02	LCSD-50434	LCSD-50434	V2L5463.D	9:23
03	MW-15S	J0580-07A	V2L5466.D	11:02

COMMENTS:

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