

Earth Tech AECOM

300 Broadacres Drive, Bloomfield, NJ 07003
T 973.338.6680 F 973.338.1052 www.earthtech.aecom.com

February 13, 2009

Brian Jankauskas
New York State Department of Environmental Conservation
Remedial Bureau A
Division of Environmental Remediation, 11th Floor
625 Broadway, Albany, NY 12233-7015

**Re: Anchor Lith Kem Ko Site
November 2008 Groundwater Sampling Addendum**

Dear Mr. Jankauskas:

Earth Tech Northeast completed the confirmation round of groundwater sampling at the Anchor Lith Kem Ko Site in Hicksville, NY in November 2008. A Site location map is presented in Figure 1. After the results of the Phase I samples were evaluated, the decision was made to resample several locations to address anomalies noted in the analytical data from the July 2008 sampling event. Seven Solinst continuous multi-channel tubing (CMT) wells, each with seven discrete screened intervals, were installed at the Site in April/May 2008. The 49 CMT channels and seven monitoring wells were sampled in July 2008. The results of the July sampling were presented in a letter report to the New York State Department of Environmental Conservation (NYSDEC) dated October 31, 2008. The report recommended that several CMT channels be resampled to evaluate the anomalous acetone concentrations and high metals concentrations in several CMT channels.

In consultation with NYSDEC, the decision was made to resample up to 12 CMT channels to verify the analytical results from the July sampling event. The targeted intervals included: PW02 channels 04 and 06; PW03 channels 04, 06 and 07; PW05 channels 05, 06 and 07; PW06 channels 04, 05 and 06; and PW07 channel 01.

Groundwater Sampling

The groundwater sampling activities were performed from November 18, 19 and 20, 2008. CMT sampling was conducted using a modified version of the EPA low-flow technique. Individual CMT channels are too narrow for both a pump and a water level meter. Consequently, the water level could not be monitored during sampling to verify that drawdown during purging was less than 0.3 ft. The Solinst 408M is a gas driven pump. An Earth Tech representative monitored purge rates and adjusted the pump rates accordingly to minimize any contact with the gas. The use of high purity nitrogen was a precautionary step to maintain the integrity of the samples. The maximum flow rate from a Solinst 408M pump is approximately 80 to 90 milliliters per minute (mL/min). Field parameters (turbidity, temperature, conductivity, dissolved oxygen, pH, and oxidation reduction potential) were measured during purging. Samples were collected after the measurements had stabilized over three consecutive readings. In cases where the stabilization parameters were not met, purging efforts were limited to one hour. Different lengths of Model 408M 3/8-inch diameter flexible micro double valve pumps constructed of stainless steel and LDPE were used to collect samples from each channel. During the July sampling

event, samples for metals analysis were not filtered in the field. During the November sampling event, both unfiltered and field filtered samples were collected at select locations. Samples were filtered in the field using dedicated, disposable 0.45 micron disposable filters. Due to problems with clogging in the field filters, the samples from PW05-07 and the field duplicate (PW65-07) were filtered at the laboratory within 24 hours of collection. For quality control purposes, one field blank was collected and trip blanks accompanied each shipment to the laboratory. Pumps were decontaminated after each application using Alconox solution and water. Groundwater samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260 and TAL Metals by EPA method 6010/7141. Groundwater sampling forms are included in Appendix A.

A sample was not collected from PW05-06. The field crew had difficulty with the pump. Water bubbled out of the channel each time the gas was turned on. After consulting Solinst on probable causes, it was determined that the most likely problem was that the water level was drawn down during purging. If the head is less than a few feet, the Solinst micro double value pumps will not operate correctly and gas will enter the CMT channel resulting in water being discharged to the surface. Because of the narrow channel width, it is not possible to monitor water levels during purging. In addition, because the pump displaces a significant amount of water in the channel during purging, it is not possible to accurately gauge water levels immediately after the pump is removed from the channel.

CMT channel PW05-06 is screened from 193.5 to 195.5 ft bgs. A review of the gamma log taken at PW05 indicated a high clay content between 182 to 216 ft bgs. A high clay content can result in a reduced flow into the screen. The clay content in the formation likely contributed to the problems encountered during the sampling effort.

Groundwater Analytical Results

Data validation was performed on all groundwater data by Analytical Assurance Associates. A Data Usability Summary Report (DUSR) was prepared and is included as Appendix B. Summary tables of the data are also included in Appendix B. As stated in the Work Assignment, contaminants of concern for the Site include 1,1,1-trichloroethane (1,1,1-TCA), methylene chloride, trichloroethene (TCE), tetrachloroethene (PCE), chromium and lead.

CMT Samples

A summary of compounds that exceeded their Class GA criterion in CMT points is shown on Table 1 which includes both the July and November 2008 sample results. The following discussion focuses on the November 2008 results and their comparison to the July 2008 results. Concentrations of 2-butanone, chloroform, methyl-tert-butyl ether (MTBE) and tert-butyl alcohol (TBA) were detected in a few samples at concentrations below their Class GA criterion and will not be discussed further in this report (these compounds are not included in Table 1 but are shown on Appendix Table E-1). 2-Hexanone and methylene chloride (both common laboratory contaminants) were detected in two samples from the November 2008 event at concentrations that slightly exceeded their Class GA criterion.

At PW02, two channels were resampled to verify the acetone exceedances noted during the July 2008 sampling event. CMT channels PW02-04 and PW02-06 had acetone concentrations of 230 µg/L and 720 µg/L during the July 2008 sampling event. During the November sampling event, both channels reported acetone as not detected (method detect limit of 5 µg/L). No VOCs were detected during either sampling event at PW02-04. At PW02-06, PCE was reported at concentrations of 3 µg/L and 2.5 µg/L.

At PW03, three channels were resampled to verify acetone concentrations. CMT channels PW03-04, PW03-06 and PW03-07 acetone concentrations of 130 µg/L, 200 µg/L and 560 µg/L were detected in July 2008, exceeding the Class GA criterion of 50 µg/L. During the November 2008 sampling round, acetone was not detected at PW03-04 and PW03-06, and detected at a concentration of 110 µg/L in PW03-07. During both the July and November 2008 events, no other VOCs were detected in either PW03-04 or PW03-06. Cis-1,2-dichloroethene was detected in channel PW03-07 at a concentration of 6.9 µg/L (Class GA criterion of 5 µg/L) during the November sampling event but was not detected during the July event. Channel PW03-07 had a PCE concentration of 7.8 µg/L during the July event and at 1.2 µg/L in November (Class GA criterion of 5 µg/L).

Two channels were resampled at PW05 in November 2008 to verify the VOCs and metals concentrations. PCE was the only VOC detected in either round at PW05-05 at concentrations of 1.2 µg/L and 1.3 µg/L. Arsenic had been detected during the July event at a concentration of 5.5 µg/L (Class GA criterion of 25 µg/L) but was not detected in either the unfiltered or filtered sample in November. In the July sampling event, nickel was detected in the (unfiltered) sample at a concentration of 120 µg/L (Class GA criterion of 100 µg/L). During the November sampling event, nickel was detected in the unfiltered sample at a concentration of 160 µg/L and at a concentration of 150 µg/L in the filtered sample.

Channel PW05-07 was resampled to verify VOCs and metals concentrations. Acetone had been detected during both rounds at concentrations of 94 µg/L in July and an estimated 18 µg/L in November (Class GA criterion of 50 µg/L). 2-Hexanone was detected in the November event at an estimated concentration of 52 µg/L (Class GA criterion of 50 µg/L) but was not detected in July. PCE had been detected during the July event at an estimated concentration of 1.4 µg/L (Class GA criterion of 5 µg/L) but was not detected in November (at a reporting limit of 1 µg/L).

During the July sampling event at PW05-07, five metals were detected at concentrations above their Class GA criterion including arsenic, chromium, copper, lead and nickel. These five metals were also detected in the unfiltered sample during the November event, but only chromium and lead were detected above their Class GA criterion. These five metals were not detected in the filtered sample.

Three channels were resampled at PW06. PW06-04 was resampled for VOCs and metals and PW06-05 and PW06-06 were resampled for VOCs. PW06-04 had an estimated acetone concentration of 300 µg/L during the July sampling event but acetone was not detected during the November sampling event. During the July event, chromium was detected at a concentration of 160 µg/L (Class GA criterion of 50 µg/L) while arsenic and nickel were detected below their criterion. Arsenic, chromium and lead were detected at concentrations exceeding the applicable GA criteria in unfiltered samples collected in November. However, none of these metals were detected in the corresponding filtered sample.

Channels PW06-05 and PW06-06 were resampled to verify the acetone exceedances (estimated concentrations of 320 µg/L and 360 µg/L, respectively) noted during the July sampling event. Acetone was detected at a concentration of 47 µg/L at PW06-05 (Class GA criterion of 50 µg/L) and was not detected in sample PW06-06 during the November event. Methylene chloride was detected in PW06-05 at a concentration of 6.2 µg/L (Class GA criterion of 5 µg/L) and in PW06-06 at a concentration of 2.1 µg/L during the November 2008 sampling event; methylene chloride was not detected in either CMT channel during the July 2008 sampling event. PCE was detected in CMT channel PW06-06 during both sampling events at concentrations of 1.1 µg/L and 1.9 µg/L, respectively (Class GA criterion of 5 µg/L).

Channel PW07-01 was resampled in November to verify the acetone exceedance (210 µg/L) reported during the July event. In November, the acetone concentration was 49 µg/L (Class GA criterion of 50 µg/L). Concentrations of 1,1-dichloroethane, 1,1-dichloroethene and TCE in PW07-01 were below the applicable Class GA criteria during the July sampling event. During the November sampling event, the concentration of 1,1-dichloroethane was also below the criterion and TCE was not detected. The concentration of 1,1-dichloroethene increased to 6.2 µg/L, which exceeds the criterion of 5 µg/L. Cis-1,2-dichloroethene was not detected during the July sampling event but was detected below the criterion (5 µg/L) during the November sampling event at a concentration of 3 µg/L.

Discussion of Results

High concentrations of acetone had been detected in numerous CMT channels during the July 2008 sampling event. However, a clear link between the Site and the presence of acetone in downgradient CMT locations was not established. Acetone appeared to increase in both concentration and the number of detections with distance from the Site. To address this anomaly, 11 CMT channels were resampled during the November 2008 event. In the July sampling event, 10 of these were channels where acetone concentrations exceeded the Class GA criterion (ranging from 94 µg/L to 720 µg/L). During the November 2008 sampling event, acetone exceeded the criterion at only one location, PW03-07, at a concentration of 110 µg/L; however, this is a five-fold decrease from the July 2008 concentration of 560 µg/L. Acetone was detected at concentrations below the criterion at an additional three locations and was not detected in the other seven samples.

During the July 2008 sampling event, high metals concentrations were noted in a few samples along the western perimeter of the study area in PW05 and PW06. These metals included arsenic, chromium, copper, lead and nickel. As these exceedances were not present in other samples, the concentrations appeared suspect. A review of the purge logs indicated that these samples had very high turbidity readings that greatly exceeded the purge criterion of 50 nephelometric units. During the November 2008 sampling event, two channels from PW05 and one from PW06 were resampled and both unfiltered and filtered metals samples were collected. The results of the unfiltered and filtered sample at PW05-05 indicate that nickel is present as the results from both the filtered and unfiltered samples are very similar and are consistent with the nickel concentration in the July event. The results from the deeper sample at PW05-07 indicate a significant decrease in concentration when comparing the July and November unfiltered results. None of these metals were detected in the filtered sample.

Should you have any questions or need additional information, please contact me.

Very truly yours,
Earth Tech | AECOM



Paul Kareth
Project Manager

Enclosures

TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS, EXCEEDANCES ONLY

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-01 70-72 AC38653-001 7/11/08 water µg/L conc Q	PW-01 PW-01-02 80-82 AC38653-003 7/11/08 water µg/L conc Q	PW-01 PW-01-03 90-92 AC38653-008 7/11/08 water µg/L conc Q	PW-01 PW-01-04 100-102 AC38653-002 7/11/08 water µg/L conc Q	PW-01 PW-01-05 110-112 AC38711-001 7/14/08 water µg/L conc Q	PW-01 PW-01-06 120-122 AC38653-004 7/11/08 water µg/L conc Q	PW-01 PW-01-07 130-132 AC38711-002 7/14/08 water µg/L conc Q
Volatile Organic Compounds								
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	23	ND	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
TAL Metals								
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Arsenic	25	ND	ND	7.1	ND	ND	ND	4.2
Chromium	50	ND	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND	ND
Lead	25	ND	ND	ND	ND	ND	ND	ND
Nickel	100	ND	ND	ND	ND	ND	ND	ND

ND - Not detected
NC - No criterion
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TABLE 1
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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-01 71-73 AC38637-002 7/9/08 water µg/L conc Q	PW-02 PW-02-02 86-88 AC38601-008 7/9/08 water µg/L conc Q	PW-02 PW-02-03 101-103 AC38637-004 7/10/08 water µg/L conc Q	PW-02 PW-02-04 116-118 AC38637-003 7/10/08 water µg/L conc Q	PW-02 PW-02-04 116-118 AC41213-005 11/19/08 water µg/L conc Q	PW-02 PW-02-05 131-133 AC38601-009 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC38637-001 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC41213-004 11/19/08 water µg/L conc Q	PW-02 PW-02-07 160-162 AC38637-005 7/10/08 water µg/L conc Q
Volatile Organic Compounds										
1,1,1-Trichloroethane	5	ND	ND	13	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	9.5	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	2	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	28	27	30	230	ND	ND	720	ND	79
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	1.3
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	2.1
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	3	2.5	82
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	2.4
TAL Metals										
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered		Unfiltered	Unfiltered		Unfiltered
Arsenic	25	ND	7	ND	ND	NA	ND	4.4	NA	6.8
Chromium	50	ND	ND	ND	ND	NA	ND	ND	NA	ND
Copper	200	ND	ND	ND	ND	NA	ND	ND	NA	ND
Lead	25	ND	ND	ND	ND	NA	ND	ND	NA	ND
Nickel	100	ND	ND	ND	ND	NA	15	ND	NA	ND

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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-01 70-72 AC38601-003 7/8/08 water µg/L conc Q	PW-03 PW-03-02 85-87 AC38601-001 7/8/08 water µg/L conc Q	PW-03 PW-03-03 100-102 AC38601-005 7/9/08 water µg/L conc Q	PW-03 PW-03-04 115-117 AC38601-002 7/8/08 water µg/L conc Q	PW-03 PW-03-04 115-117 AC41213-002 11/19/08 water µg/L conc Q	PW-03 PW-03-05 130-132 AC38601-004 7/8/08 water µg/L conc Q
Volatile Organic Compounds							
1,1,1-Trichloroethane	5	1.5	1.2	9.7	ND	ND	ND
1,1-Dichloroethane	5	ND	2.3	4.6	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	1.1	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND
Acetone	50	38	37	ND	130	ND	73
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND
TAL Metals							
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered		Unfiltered
Arsenic	25	ND	7.9	ND	ND	NA	ND
Chromium	50	ND	ND	ND	ND	NA	ND
Copper	200	ND	ND	ND	ND	NA	ND
Lead	25	ND	ND	ND	ND	NA	ND
Nickel	100	13	ND	ND	ND	NA	12

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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-06 145-147 AC38601-006 7/9/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC41213-001 11/18/08 water µg/L conc Q	PW-03 PW-03-07 160-162 AC38601-007 7/9/08 water µg/L conc Q	PW-03 PW-03-07 160-162 AC41213-003 11/19/08 water µg/L conc Q
Volatile Organic Compounds					
1,1,1-Trichloroethane	5	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND
Acetone	50	200	ND	560	110
cis-1,2-Dichloroethene	5	ND	ND	ND	6.9
Methylene Chloride	5	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	7.8	1.2
Trichloroethene	5	ND	ND	ND	ND
TAL Metals					
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	
Arsenic	25	ND	NA	5.9	NA
Chromium	50	ND	NA	ND	NA
Copper	200	ND	NA	ND	NA
Lead	25	ND	NA	ND	NA
Nickel	100	ND	NA	ND	NA

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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-04 PW-04-01 71-73 AC38739-001 7/15/08 water µg/L conc Q	PW-04 PW-04-02 86-88 AC38739-003 7/15/08 water µg/L conc Q	PW-04 PW-04-03 101-103 AC38739-002 7/15/08 water µg/L conc Q	PW-04 PW-04-04 116-118 AC38739-005 7/16/08 water µg/L conc Q	PW-04 PW-04-05 131-133 AC38739-009 7/16/08 water µg/L conc Q	PW-04 PW-04-06 146-148 AC38739-006 7/16/08 water µg/L conc Q	PW-04 PW-04-07 161-163 AC38739-008 7/16/08 water µg/L conc Q
Volatile Organic Compounds								
1,1,1-Trichloroethane	5	2.5	ND	ND	ND	ND	ND	2.5
1,1-Dichloroethane	5	1.1	ND	ND	ND	ND	ND	1
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	96 J	17	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND
TAL Metals								
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Arsenic	25	5.1	ND	ND	ND	6.7	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND	ND
Lead	25	ND	ND	ND	ND	ND	ND	ND
Nickel	100	11	ND	ND	ND	ND	ND	13

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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-01 68.5-70.5 AC38771-006 7/17/08 water µg/L conc Q	PW-05 PW-05-02 93.5-95.5 AC38492-001 7/18/08 water µg/L conc Q	PW-05 PW-05-03 118.5-120.5 AC38771-007 7/17/08 water µg/L conc Q	PW-05 PW-05-04 143.5-145.5 AC38492-002 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC38492-007 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-012 11/20/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-013 11/20/08 water µg/L conc Q
Volatile Organic Compounds								
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	NA
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	NA
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	NA
2-Hexanone	50	ND	ND	ND	ND	ND	ND	NA
Acetone	50	ND	ND	ND	ND	ND	ND	NA
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	ND	NA
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	NA
Tetrachloroethene	5	ND	ND	ND	1.8	1.2	1.3	NA
Trichloroethene	5	ND	ND	ND	ND	ND	ND	NA
TAL Metals								
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered
Arsenic	25	ND	ND	5.4	6	5.5	ND	ND
Chromium	50	ND	ND	ND	ND	ND	ND	ND
Copper	200	ND	ND	ND	ND	ND	ND	ND
Lead	25	ND	ND	ND	ND	ND	ND	ND
Nickel	100	15	ND	ND	ND	120	160	150

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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-06 193.5-195.5 AC38492-008 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC38492-006 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-005 11/20/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-006 11/20/08 water µg/L conc Q
Volatile Organic Compounds					
1,1,1-Trichloroethane	5	ND	ND	ND	NA
1,1-Dichloroethane	5	ND	ND	ND	NA
1,1-Dichloroethene	5	ND	ND	ND	NA
2-Hexanone	50	16 J	ND	52 J	NA
Acetone	50	130	94 J	18 J	NA
cis-1,2-Dichloroethene	5	ND	ND	ND	NA
Methylene Chloride	5	ND	ND	ND	NA
Tetrachloroethene	5	ND	1.4	ND	NA
Trichloroethene	5	ND	ND	ND	NA
TAL Metals					
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Filtered
Arsenic	25	170	280	21 J	ND
Chromium	50	440	400	62 J	ND
Copper	200	810	660	57 J	ND
Lead	25	400	290	40 J	ND
Nickel	100	490	390	27 J	ND

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Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-01 70-72 AC38739-010 7/16/08 water µg/L conc Q	PW-06 PW-06-02 90-92 AC38739-012 7/16/08 water µg/L conc Q	PW-06 PW-06-03 118-120 AC38739-011 7/16/08 water µg/L conc Q	PW-06 PW-06-04 150-152 AC38771-002 7/17/08 water µg/L conc Q	PW-06 PW-06-04 150-152 AC41270-001 11/20/08 water µg/L conc Q	PW-06 PW-06-04 150-152 AC41270-002 11/20/08 water µg/L conc Q
Volatile Organic Compounds							
1,1,1-Trichloroethane	5	ND	4.2	3.5	ND	ND	NA
1,1-Dichloroethane	5	ND	7.2	1.7	ND	ND	NA
1,1-Dichloroethene	5	ND	2.3	1.8	ND	ND	NA
2-Hexanone	50	ND	ND	ND	ND	ND	NA
Acetone	50	ND	20	ND	300 J	ND	NA
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND	NA
Methylene Chloride	5	ND	ND	ND	ND	ND	NA
Tetrachloroethene	5	ND	ND	ND	ND	2	NA
Trichloroethene	5	ND	ND	2.6	ND	ND	NA
TAL Metals							
Filtered / Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Filtered
Arsenic	25	ND	5.9	ND	5.8	31	ND
Chromium	50	ND	42	ND	160	64	ND
Copper	200	ND	ND	ND	ND	95	ND
Lead	25	ND	ND	ND	ND	26	ND
Nickel	100	ND	ND	ND	91	53	ND

ND - Not detected
NC - No criterion
NA - Not analyzed
J - Estimated value

TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS, EXCEEDANCES ONLY

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-05 166-168 AC38771-003 7/17/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC41270-003 11/20/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC38771-001 7/17/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC41270-004 11/20/08 water µg/L conc Q	PW-06 PW-06-07 221-222 AC38771-004 7/17/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND
Acetone	50	320 J	47	360 J	ND	ND
cis-1,2-Dichloroethene	5	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	6.2	ND	2.1	ND
Tetrachloroethene	5	ND	ND	1.1	1.9	130
Trichloroethene	5	ND	ND	ND	ND	ND
TAL Metals						
Filtered / Unfiltered		Unfiltered		Unfiltered		Unfiltered
Arsenic	25	5.6	NA	9.3	NA	ND
Chromium	50	ND	NA	ND	NA	ND
Copper	200	ND	NA	ND	NA	ND
Lead	25	ND	NA	ND	NA	ND
Nickel	100	49	NA	87	NA	12

ND - Not detected
NC - No criterion
NA - Not analyzed
J - Estimated value

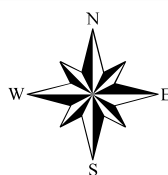
TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
SUMMARY OF VOLATILE ORGANIC COMPOUNDS AND TAL METALS, EXCEEDANCES ONLY

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-07 PW-07-01 70-72 AC38711-003 7/14/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC41213-006 11/19/08 water µg/L conc Q	PW-07 PW-07-02 95-97 AC38711-005 7/15/08 water µg/L conc Q	PW-07 PW-07-03 120-122 AC38711-004 7/14/08 water µg/L conc Q	PW-07 PW-07-04 145-147 AC38711-006 7/15/08 water µg/L conc Q	PW-07 PW-07-05 170-172 AC38711-008 7/15/08 water µg/L conc Q	PW-07 PW-07-06 197-199 AC38711-007 7/15/08 water µg/L conc Q	PW-07 PW-07-07 220-221 AC38711-012 7/15/08 water µg/L conc Q
Volatile Organic Compounds									
1,1,1-Trichloroethane	5	ND	ND	2	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	3.1	3.3	1.3	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	3.6	6.2	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	210	49	ND	77	20	ND	78	39
cis-1,2-Dichloroethene	5	ND	3	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	1.5	ND	ND
Trichloroethene	5	3.2	ND	ND	ND	ND	11	ND	1.6
TAL Metals									
Filtered / Unfiltered		Unfiltered		Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered	Unfiltered
Arsenic	25	9	NA	ND	ND	ND	ND	ND	4.5
Chromium	50	ND	NA	ND	ND	ND	ND	ND	ND
Copper	200	ND	NA	ND	ND	ND	ND	ND	ND
Lead	25	ND	NA	ND	ND	ND	ND	ND	ND
Nickel	100	ND	NA	ND	ND	ND	ND	ND	ND

ND - Not detected
NC - No criterion
NA - Not analyzed
J - Estimated value



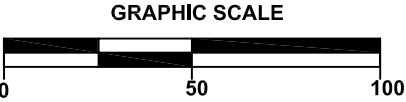
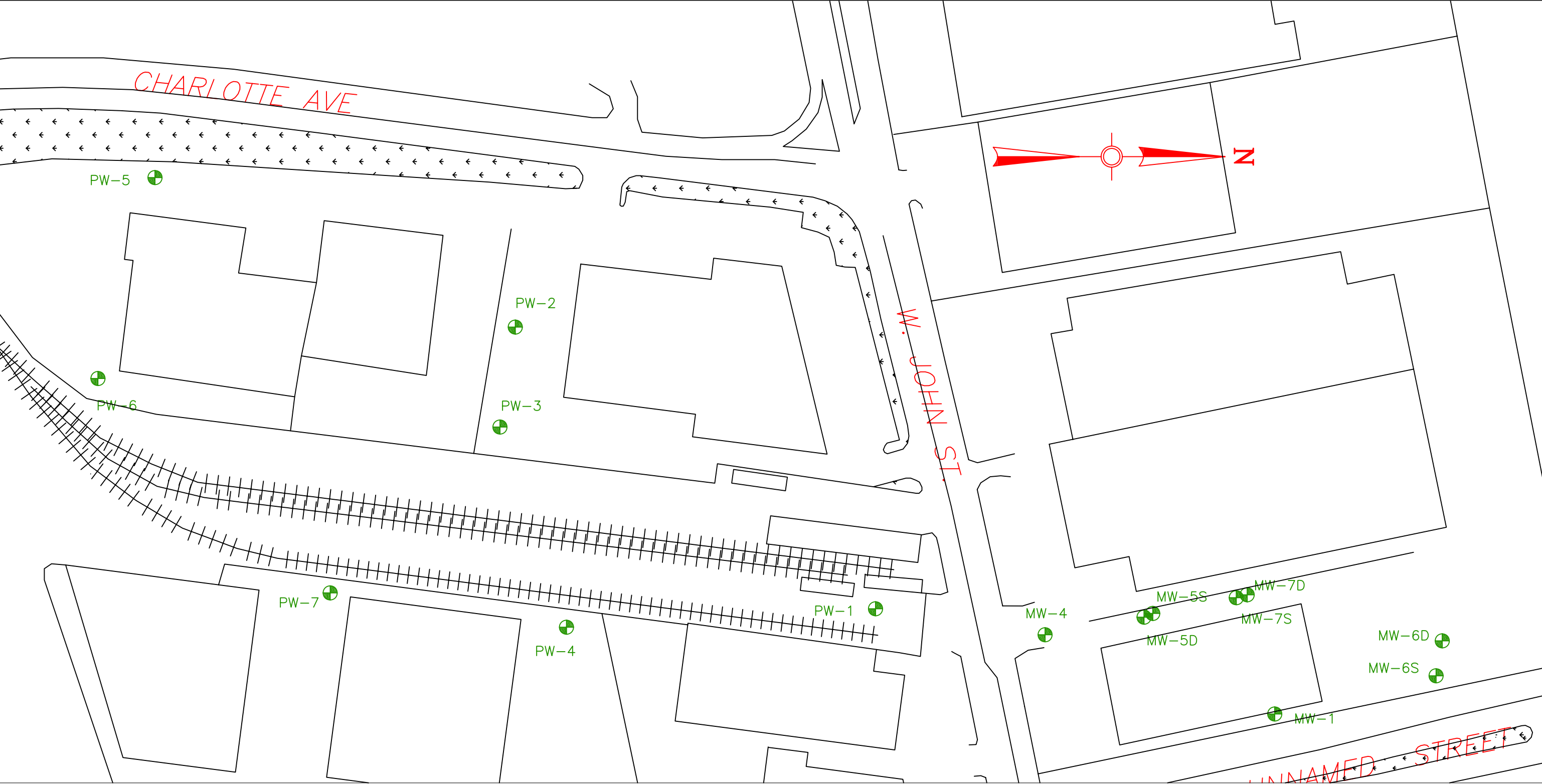
0 400,000 800,000 1,600,000 Feet



NYSDEC Site No. 1-30-021
Anchor Lith Kem Ko Site
Hicksville, Nassau County, NY

Figure 1
Site Location

EARTH TECH | **AECOM**



Prepared For :		 DEPARTMENT OF ENVIRONMENTAL CONSERVATION	
		625 Broadway, Albany, NY	
Prepared by :			
EARTH TECH		AECOM	
300 Broadacres Drive, Bloomfield, NJ 07003			
SUBMITTED BY :		ANCHOR LITH KEM KO 500 WEST JOHN STREET HICKSVILLE, NEW YORK SITE # 1-30-021	
PK			
DRAWN BY :			
MKC		SITE PLAN	
APPROVED BY :			
PK		DATE : SEPTEMBER 2008	FIGURE NO. : 2

APPENDIX A

**FIELD SAMPLING FORMS
NOVEMBER 2008 SAMPLING EVENT**

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

APPENDIX B
DATA VALIDATION REPORTS
ANALYTICAL ASSURANCE ASSOCIATES
NOVEMBER 2008 SAMPLING EVENT

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-01 70-72 AC38653-001 7/11/08 water µg/L conc Q	PW-01 PW-01-02 80-82 AC38653-003 7/11/08 water µg/L conc Q	PW-01 PW-01-03 90-92 AC38653-008 7/11/08 water µg/L conc Q	PW-01 PW-01-04 100-102 AC38653-002 7/11/08 water µg/L conc Q	PW-01 PW-01-05 110-112 AC38711-001 7/14/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	50 R	50 R	50 R	50 R	50 R
2-Butanone	NC	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	1 U	1 U	1 U	1 U	1 U
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 U	1 U	1 U
Acetone	50	5 U	5 U	5 UJ	23	5 U
Acrolein	5	5 U	5 U	5 UJ	5 U	5 UJ
Acrylonitrile	5	1 U	1 U	1 UJ	1 U	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 UJ	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 UJ	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-01 70-72 AC38653-001 7/11/08 water µg/L conc Q	PW-01 PW-01-02 80-82 AC38653-003 7/11/08 water µg/L conc Q	PW-01 PW-01-03 90-92 AC38653-008 7/11/08 water µg/L conc Q	PW-01 PW-01-04 100-102 AC38653-002 7/11/08 water µg/L conc Q	PW-01 PW-01-05 110-112 AC38711-001 7/14/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 UJ	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 U	1 UJ	1 U	1 U
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 UJ	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-01 70-72 AC38653-001 7/11/08 water µg/L conc Q	PW-01 PW-01-02 80-82 AC38653-003 7/11/08 water µg/L conc Q	PW-01 PW-01-03 90-92 AC38653-008 7/11/08 water µg/L conc Q	PW-01 PW-01-04 100-102 AC38653-002 7/11/08 water µg/L conc Q	PW-01 PW-01-05 110-112 AC38711-001 7/14/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	100 U	100 U	370	100 U	200
Antimony	3	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	4 U	4 U	7.1	4 U	4 U
Barium	1,000	93	72	67	65	76
Beryllium	3	4 U	4 U	4 U	4 U	4 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NC	9,600 J	14,000 J	10,000 J	10,000 J	9,800 J
Chromium	50	25 U	25 U	25 U	25 U	25 U
Cobalt	NC	18	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U
Iron	300	7,900 J	1,200 J	6,000 J	7,000 J	2,600
Lead	25	5 U	5 U	5 U	5 U	5 U
Magnesium	35,000	1,700	1,900	1,500	1,500	1,500
Manganese	300	2000	150	880	1,100	340
Nickel	100	10 U	10 U	10 U	10 U	10 U
Potassium	NC	2,500 U	2,900	2,800	2,800	2,700
Selenium	10	25 U	25 U	25 U	25 U	25 U
Silver	50	10 U	10 U	10 U	10 U	10 U
Sodium	20,000	150,000	23,000	27,000	34,000	24,000
Thallium	0.5	5 U	5 U	5 U	5 U	5 U
Vanadium	NC	25 U	25 U	25 U	25 U	25 U
Zinc	2000	25 U	25 U	25 U	25 U	130

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-06 120-122 AC38653-004 7/11/08 water µg/L conc Q	PW-01 PW-01-07 130-132 AC38711-002 7/14/08 water µg/L conc Q	PW-02 PW-02-01 71-73 AC38637-002 7/9/08 water µg/L conc Q	PW-02 PW-02-02 86-88 AC38601-008 7/9/08 water µg/L conc Q	PW-02 PW-02-03 101-103 AC38637-004 7/10/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	13
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 UJ	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	9.5
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	2
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	50 R	50 R	50 R	50 R	50 R
2-Butanone	NC	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	1 U	1 U	1 U	1 UJ	1 U
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 U	1 UJ	1 U
Acetone	50	5 U	5 U	28	27	30
Acrolein	5	5 U	5 UJ	5 U	5 U	5 U
Acrylonitrile	5	1 U	1 U	1 U	1 U	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 UJ	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 UJ	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 UJ	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-06 120-122 AC38653-004 7/11/08 water µg/L conc Q	PW-01 PW-01-07 130-132 AC38711-002 7/14/08 water µg/L conc Q	PW-02 PW-02-01 71-73 AC38637-002 7/9/08 water µg/L conc Q	PW-02 PW-02-02 86-88 AC38601-008 7/9/08 water µg/L conc Q	PW-02 PW-02-03 101-103 AC38637-004 7/10/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 UJ	5 UJ	5 UJ	5 U	5 UJ
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-01 PW-01-06 120-122 AC38653-004 7/11/08 water µg/L conc Q	PW-01 PW-01-07 130-132 AC38711-002 7/14/08 water µg/L conc Q	PW-02 PW-02-01 71-73 AC38637-002 7/9/08 water µg/L conc Q	PW-02 PW-02-02 86-88 AC38601-008 7/9/08 water µg/L conc Q	PW-02 PW-02-03 101-103 AC38637-004 7/10/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	100 U	100 U	410	150	100 U
Antimony	3	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	4 U	4.2	4 U	7	4 U
Barium	1,000	72	91	47	40	190
Beryllium	3	4 U	4 U	4 U	4 U	4 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NC	12,000 J	13,000 J	19,000	13,000 J	14,000
Chromium	50	25 U	25 U	25 U	25 U	25 U
Cobalt	NC	10 U	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U
Iron	300	1,300 J	3,000	5,000	5,900 J	4,600
Lead	25	5 U	5 U	5 U	5 U	5 U
Magnesium	35,000	1,600	1,700	3,500	2,600	2,900
Manganese	300	130	71	140	150	1200
Nickel	100	10 U	10 U	10 U	10 U	10 U
Potassium	NC	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U
Selenium	10	25 U	25 U	25 U	25 U	25 U
Silver	50	10 U	10 U	10 U	10 U	10 U
Sodium	20,000	41,000	50,000	5,000	30,000	52,000
Thallium	0.5	5 U	5 U	5 U	5 U	5 U
Vanadium	NC	25 U	25 U	25 U	25 U	25 U
Zinc	2000	25 U	49	25 U	25 U	25 U

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-04 116-118 AC38637-003 7/10/08 water µg/L conc Q	PW-02 PW-02-04 116-118 AC41213-005 11/19/08 water µg/L conc Q	PW-02 PW-02-05 131-133 AC38601-009 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC38637-001 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC41213-004 11/19/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 UJ	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 UJ	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	50 R	250 R	50 R	50 R	250 R
2-Butanone	NC	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	1 U	5 U	1 UJ	1 U	5 U
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 UJ	1 U	1 U
Acetone	50	230	5 U	5 U	720	5 U
Acrolein	5	5 U	5 UJ	5 U	5 U	5 UJ
Acrylonitrile	5	1 U	1 UJ	1 U	1 U	1 UJ
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 UJ	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 UJ	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 UJ	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 UJ	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-04 116-118 AC38637-003 7/10/08 water µg/L conc Q	PW-02 PW-02-04 116-118 AC41213-005 11/19/08 water µg/L conc Q	PW-02 PW-02-05 131-133 AC38601-009 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC38637-001 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC41213-004 11/19/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	1 U	0.5 U	1 U	1 U	0.5 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 U	5 U	5 U	5 U	5 U
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	3	2.5
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-04 116-118 AC38637-003 7/10/08 water µg/L conc Q	PW-02 PW-02-04 116-118 AC41213-005 11/19/08 water µg/L conc Q	PW-02 PW-02-05 131-133 AC38601-009 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC38637-001 7/9/08 water µg/L conc Q	PW-02 PW-02-06 146-148 AC41213-004 11/19/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	NA	0.2 U	0.2 U	NA
Aluminum	NC	360	NA	3,800	100 U	NA
Antimony	3	7.5 U	NA	7.5 U	7.5 U	NA
Arsenic	25	4 U	NA	4 U	4.4	NA
Barium	1,000	58	NA	57	75	NA
Beryllium	3	4 U	NA	4 U	4 U	NA
Cadmium	5	2 U	NA	2 U	2 U	NA
Calcium	NC	17,000	NA	18,000 J	19,000	NA
Chromium	50	25 U	NA	25 U	25 U	NA
Cobalt	NC	10 U	NA	10 U	10 U	NA
Copper	200	25 U	NA	25 U	25 U	NA
Iron	300	7,600	NA	6,400 J	10,000	NA
Lead	25	5 U	NA	5 U	5 U	NA
Magnesium	35,000	1,800	NA	2,700	5,300	NA
Manganese	300	1300	NA	130	380	NA
Nickel	100	10 U	NA	15	10 U	NA
Potassium	NC	2,500 U	NA	2,500 U	2,800	NA
Selenium	10	25 U	NA	25 U	25 U	NA
Silver	50	10 U	NA	10 U	10 U	NA
Sodium	20,000	14,000	NA	29,000	38,000	NA
Thallium	0.5	5 U	NA	5 U	5 U	NA
Vanadium	NC	25 U	NA	25 U	25 U	NA
Zinc	2000	25 U	NA	25 U	25 U	NA

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-07 160-162 AC38637-005 7/10/08 water µg/L conc Q	PW-03 PW-03-01 70-72 AC38601-003 7/8/08 water µg/L conc Q	PW-03 PW-03-02 85-87 AC38601-001 7/8/08 water µg/L conc Q	PW-03 PW-03-03 100-102 AC38601-005 7/9/08 water µg/L conc Q	PW-03 PW-03-04 115-117 AC38601-002 7/8/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1.5	1.2	9.7	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 UJ	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	2.3	4.6	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1.1	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 UJ	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	50 R	50 R	50 R	50 R	50 R
2-Butanone	NC	1 U	5 U	5 U	1 U	5 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	1 U	5 U	5 U	1 UJ	5 U
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 U	1 UJ	1 U
Acetone	50	79	38	37	5 U	130
Acrolein	5	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	5	1 U	1 U	1 U	1 U	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 UJ	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 UJ	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 UJ	1 U
Chloroform	7	1.8	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 UJ	1 U
cis-1,2-Dichloroethene	5	1.3	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-07 160-162 AC38637-005 7/10/08 water µg/L conc Q	PW-03 PW-03-01 70-72 AC38601-003 7/8/08 water µg/L conc Q	PW-03 PW-03-02 85-87 AC38601-001 7/8/08 water µg/L conc Q	PW-03 PW-03-03 100-102 AC38601-005 7/9/08 water µg/L conc Q	PW-03 PW-03-04 115-117 AC38601-002 7/8/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	2.1	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 U	5 U	5 U	5 U	5 U
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	82	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	2.4	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-02 PW-02-07 160-162 AC38637-005 7/10/08 water µg/L conc Q	PW-03 PW-03-01 70-72 AC38601-003 7/8/08 water µg/L conc Q	PW-03 PW-03-02 85-87 AC38601-001 7/8/08 water µg/L conc Q	PW-03 PW-03-03 100-102 AC38601-005 7/9/08 water µg/L conc Q	PW-03 PW-03-04 115-117 AC38601-002 7/8/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	400	100 U	100 U	100 U	210
Antimony	3	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	6.8	4 U	7.9	4 U	4 U
Barium	1,000	35	120	290	25 U	25 U
Beryllium	3	4 U	4 U	4 U	4 U	4 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NC	17,000	23,000 J	24,000 J	8,800 J	13,000 J
Chromium	50	25 U	25 U	25 U	25 U	25 U
Cobalt	NC	10 U	12	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U
Iron	300	18,000	14,000 J	18,000 J	450 J	6,500 J
Lead	25	5 U	5 U	5 U	5 U	5 U
Magnesium	35,000	5,100	2,900	3,000	1,300	2,500
Manganese	300	53	440	2,700	370	800
Nickel	100	10 U	13	10 U	10 U	10 U
Potassium	NC	2,500 U	24,000	25,000	2,500 U	2,500 U
Selenium	10	25 U	25 U	25 U	25 U	25 U
Silver	50	10 U	10 U	10 U	10 U	10 U
Sodium	20,000	58,000	39,000	54,000	29,000	57,000
Thallium	0.5	5 U	5 U	5 U	5 U	5 U
Vanadium	NC	25 U	25 U	25 U	25 U	25 U
Zinc	2000	25 U	130	25 U	52	25 U

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-04 115-117 AC41213-002 11/19/08 water µg/L Q	PW-03 PW-03-05 130-132 AC38601-004 7/8/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC38601-006 7/9/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC41213-001 11/18/08 water µg/L conc Q	PW-03 PW-03-07 160-162 AC38601-007 7/9/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 UJ	1 UJ	1 U	1 UJ
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 UJ	1 UJ	1 U	1 UJ
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	250 R	50 R	50 R	250 R	50 R
2-Butanone	NC	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	5 U	1 UJ	1 UJ	5 U	1 UJ
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 UJ	1 UJ	1 U	1 UJ
Acetone	50	5 U	73	200	5 U	560
Acrolein	5	5 UJ	5 U	5 U	5 UJ	5 U
Acrylonitrile	5	1 UJ	1 U	1 U	1 UJ	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 UJ	1 UJ	1 U	1 UJ
Carbon Disulfide	60	1 U	1 UJ	1 UJ	1 U	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 UJ	1 UJ	1 U	1 UJ
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 UJ	1 UJ	1 U	1 UJ
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-04 115-117 AC41213-002 11/19/08 water µg/L Q	PW-03 PW-03-05 130-132 AC38601-004 7/8/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC38601-006 7/9/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC41213-001 11/18/08 water µg/L conc Q	PW-03 PW-03-07 160-162 AC38601-007 7/9/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 UJ	1 UJ	1 U	1 UJ
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	0.8	1 U	1 U	0.5 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 U	5 U	5 U	5 U	5 U
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	7.8
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-04 115-117 AC41213-002 11/19/08 water µg/L Q	PW-03 PW-03-05 130-132 AC38601-004 7/8/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC38601-006 7/9/08 water µg/L conc Q	PW-03 PW-03-06 145-147 AC41213-001 11/18/08 water µg/L conc Q	PW-03 PW-03-07 160-162 AC38601-007 7/9/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	NA	0.2 U	0.2 U	NA	0.2 U
Aluminum	NC	NA	100 U	120	NA	320
Antimony	3	NA	7.5 U	7.5 U	NA	7.5 U
Arsenic	25	NA	4 U	4 U	NA	5.9
Barium	1,000	NA	46	44	NA	48
Beryllium	3	NA	4 U	4 U	NA	4 U
Cadmium	5	NA	2 U	2 U	NA	2 U
Calcium	NC	NA	12,000 J	12,000 J	NA	19,000 J
Chromium	50	NA	25 U	25 U	NA	25 U
Cobalt	NC	NA	10 U	10 U	NA	10 U
Copper	200	NA	25 U	25 U	NA	25 U
Iron	300	NA	3,200 J	4,600 J	NA	35,000 J
Lead	25	NA	5 U	5 U	NA	5 U
Magnesium	35,000	NA	2,000	3,000	NA	5,400
Manganese	300	NA	130	510	NA	370
Nickel	100	NA	12	10 U	NA	10 U
Potassium	NC	NA	2,500 U	2,500 U	NA	2,500 U
Selenium	10	NA	25 U	25 U	NA	25 U
Silver	50	NA	10 U	10 U	NA	10 U
Sodium	20,000	NA	34,000	44,000	NA	32,000
Thallium	0.5	NA	5 U	5 U	NA	5 U
Vanadium	NC	NA	25 U	25 U	NA	25 U
Zinc	2000	NA	29	25 U	NA	25 U

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-07 160-162 AC41213-003 11/19/08 water µg/L conc Q	PW-04 PW-04-01 71-73 AC38739-001 7/15/08 water µg/L conc Q	PW-04 PW-04-02 86-88 AC38739-003 7/15/08 water µg/L conc Q	PW-04 PW-04-03 101-103 AC38739-002 7/15/08 water µg/L conc Q	PW-04 PW-04-04 116-118 AC38739-005 7/16/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	2.5	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1.1	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	250 R	50 R	50 R	50 R	50 R
2-Butanone	NC	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	5 U	1 U	1 U	1 U	1 U
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 U	1 U	1 U
Acetone	50	110	5 U	5 U	5 U	5 U
Acrolein	5	5 UJ	5 U	5 U	5 U	5 U
Acrylonitrile	5	1 UJ	1 U	1 U	1 U	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 UJ	1 UJ	1 UJ	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	6.9	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-07 160-162 AC41213-003 11/19/08 water µg/L conc Q	PW-04 PW-04-01 71-73 AC38739-001 7/15/08 water µg/L conc Q	PW-04 PW-04-02 86-88 AC38739-003 7/15/08 water µg/L conc Q	PW-04 PW-04-03 101-103 AC38739-002 7/15/08 water µg/L conc Q	PW-04 PW-04-04 116-118 AC38739-005 7/16/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	0.5 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 U	5 UJ	5 UJ	5 UJ	5 UJ
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1.2	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-03 PW-03-07 160-162 AC41213-003 11/19/08 water µg/L conc Q	PW-04 PW-04-01 71-73 AC38739-001 7/15/08 water µg/L conc Q	PW-04 PW-04-02 86-88 AC38739-003 7/15/08 water µg/L conc Q	PW-04 PW-04-03 101-103 AC38739-002 7/15/08 water µg/L conc Q	PW-04 PW-04-04 116-118 AC38739-005 7/16/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	NA	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	NA	100 U	100 U	100 U	230
Antimony	3	NA	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	NA	5.1	4 U	4 U	4 U
Barium	1,000	NA	120	85	75	25 U
Beryllium	3	NA	4 U	4 U	4 U	4 U
Cadmium	5	NA	2 U	2 U	2 U	2 U
Calcium	NC	NA	12,000	13,000	9,600	7,100
Chromium	50	NA	25 U	25 U	25 U	25 U
Cobalt	NC	NA	10 U	10 U	10 U	10 U
Copper	200	NA	25 U	25 U	25 U	25 U
Iron	300	NA	3,300	7,100	220	650
Lead	25	NA	5 U	5 U	5 U	5 U
Magnesium	35,000	NA	2,300	2,800	1,500	1,200
Manganese	300	NA	550	310	65	26
Nickel	100	NA	11	10 U	10 U	10 U
Potassium	NC	NA	7,500	2,500 U	2,500 U	2,500 U
Selenium	10	NA	25 U	25 U	25 U	25 U
Silver	50	NA	10 U	10 U	10 U	10 U
Sodium	20,000	NA	42,000	38,000	25,000	39,000
Thallium	0.5	NA	5 U	5 U	5 U	5 U
Vanadium	NC	NA	25 U	25 U	25 U	25 U
Zinc	2000	NA	25 U	25 U	25 U	25 U

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-04 PW-04-05 131-133 AC38739-009 7/16/08 water µg/L conc Q	PW-04 PW-04-06 146-148 AC38739-006 7/16/08 water µg/L conc Q	PW-04 PW-04-07 161-163 AC38739-008 7/16/08 water µg/L conc Q	PW-05 PW-05-01 68.5-70.5 AC38771-006 7/17/08 water µg/L conc Q	PW-05 PW-05-02 93.5-95.5 AC38492-001 7/18/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	2.5	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	50 R	50 R	50 R	50 R	50 R
2-Butanone	NC	1 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	1 U	1 U	1 U	1 U	1 UJ
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 U	1 U	1 UJ
Acetone	50	96 J	17	5 U	5 UJ	5 UJ
Acrolein	5	5 UJ	5 U	5 U	5 UJ	5 UJ
Acrylonitrile	5	1 UJ	1 U	1 U	1 UJ	1 UJ
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 UJ	1 U	1 U	1 UJ	1 U
Carbon Disulfide	60	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-04 PW-04-05 131-133 AC38739-009 7/16/08 water µg/L conc Q	PW-04 PW-04-06 146-148 AC38739-006 7/16/08 water µg/L conc Q	PW-04 PW-04-07 161-163 AC38739-008 7/16/08 water µg/L conc Q	PW-05 PW-05-01 68.5-70.5 AC38771-006 7/17/08 water µg/L conc Q	PW-05 PW-05-02 93.5-95.5 AC38492-001 7/18/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 UJ	1 U	1 U	1 UJ	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 UJ	1 U	1 U	1 UJ	1 UJ
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	1 U	1 U	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
t-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 UJ	1 U	1 U	1 UJ	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-04 PW-04-05 131-133 AC38739-009 7/16/08 water µg/L conc Q	PW-04 PW-04-06 146-148 AC38739-006 7/16/08 water µg/L conc Q	PW-04 PW-04-07 161-163 AC38739-008 7/16/08 water µg/L conc Q	PW-05 PW-05-01 68.5-70.5 AC38771-006 7/17/08 water µg/L conc Q	PW-05 PW-05-02 93.5-95.5 AC38492-001 7/18/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	100 U	1,200	100 U	140	100 U
Antimony	3	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	6.7	4 U	4 U	4 U	4 U
Barium	1,000	35	25 U	120	36	77
Beryllium	3	4 U	4 U	4 U	4 U	4 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NC	12,000	5,200	12,000	17,000	18,000
Chromium	50	25 U	25 U	25 U	25 U	25 U
Cobalt	NC	10 U	10 U	15	22	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U
Iron	300	12,000	4,400	4,600	6,400	8,500
Lead	25	5 U	5 U	5 U	5 U	5 U
Magnesium	35,000	2,000	1,000 U	2,100	4,300	3,500
Manganese	300	320	62	490	790	460
Nickel	100	10 U	10 U	13	15	10 U
Potassium	NC	2,500 U	2,500 U	8,200	2,500 U	2,500 U
Selenium	10	25 U	25 U	25 U	25 U	25 U
Silver	50	10 U	10 U	10 U	10 U	10 U
Sodium	20,000	35,000	36,000	44,000	16,000	57,000
Thallium	0.5	5 U	5 U	5 U	5 U	5 U
Vanadium	NC	25 U	25 U	25 U	25 U	25 U
Zinc	2000	25 U	25 U	25 U	25 U	26

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-03 118.5-120.5 AC38771-007 7/17/08 water µg/L conc Q	PW-05 PW-05-04 143.5-145.5 AC38492-002 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC38492-007 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-012 11/20/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-013 11/20/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	NA
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	NA
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U	NA
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	NA
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	NA
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	NA
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	NA
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 U	NA
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	NA
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U	NA
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U	NA
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	NA
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	NA
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U	NA
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	NA
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U	NA
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	NA
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U	NA
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	NA
1,4-Dioxane	NC	50 R	50 R	50 R	50 R	NA
2-Butanone	NC	1 U	1 U	1 U	1 U	NA
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ	NA
2-Hexanone	50	1 U	1 UJ	1 UJ	1 U	NA
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U	NA
4-Methyl-2-Pentanone	NC	1 U	1 UJ	1 UJ	1 U	NA
Acetone	50	5 UJ	5 UJ	5 UJ	5 UJ	NA
Acrolein	5	5 UJ	5 UJ	5 UJ	5 U	NA
Acrylonitrile	5	1 UJ	1 UJ	1 UJ	1 U	NA
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U	NA
Bromochloromethane	5	1 U	1 U	1 U	1 U	NA
Bromodichloromethane	50	1 U	1 U	1 U	1 U	NA
Bromoform	50	1 U	1 U	1 U	1 U	NA
Bromomethane	5	1 UJ	1 U	1 U	1 U	NA
Carbon Disulfide	60	1 UJ	1 UJ	1 UJ	1 U	NA
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	NA
Chlorobenzene	5	1 U	1 U	1 U	1 U	NA
Chloroethane	5	1 U	1 U	1 U	1 U	NA
Chloroform	7	1 U	1 U	1 U	1 U	NA
Chloromethane	5	1 U	1 U	1 U	1 U	NA
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	NA

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-03 118.5-120.5 AC38771-007 7/17/08 water µg/L conc Q	PW-05 PW-05-04 143.5-145.5 AC38492-002 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC38492-007 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-012 11/20/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-013 11/20/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 UJ	NA
Cyclohexane	NC	1 U	1 U	1 U	1 U	NA
Dibromochloromethane	5	1 U	1 U	1 U	1 U	NA
Dichlorodifluoromethane	5	1 UJ	1 U	1 U	1 U	NA
Ethylbenzene	5	1 U	1 U	1 U	1 U	NA
Isopropylbenzene	5	1 U	1 U	1 U	1 U	NA
m&p-Xylenes	5	2 U	2 U	2 U	2 U	NA
Methyl Acetate	NC	1 UJ	1 UJ	1 U	1 U	NA
Methylcyclohexane	NC	1 U	1 U	1 U	1 U	NA
Methylene Chloride	5	1 U	1 U	1 U	1 U	NA
Methyl-t-butyl ether	10	1 U	1 U	1 U	0.5 U	NA
n-Butylbenzene	5	1 U	1 U	1 U	1 U	NA
n-Propylbenzene	5	1 U	1 U	1 U	1 U	NA
o-Xylene	5	1 U	1 U	1 U	1 U	NA
sec-Butylbenzene	5	1 U	1 U	1 U	1 U	NA
Styrene	5	1 U	1 U	1 U	1 U	NA
t-Butyl Alcohol	NC	5 UJ	5 UJ	5 UJ	33	NA
t-Butylbenzene	5	1 U	1 U	1 U	1 U	NA
Tetrachloroethene	5	1 U	1.8	1.2	1.3	NA
Toluene	5	1 U	1 U	1 U	1 U	NA
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	NA
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	NA
Trichloroethene	5	1 U	1 U	1 U	1 U	NA
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	NA
Vinyl Chloride	2	1 UJ	1 U	1 U	1 U	NA

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-03 118.5-120.5 AC38771-007 7/17/08 water µg/L conc Q	PW-05 PW-05-04 143.5-145.5 AC38492-002 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC38492-007 7/18/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-012 11/20/08 water µg/L conc Q	PW-05 PW-05-05 168.5-170.5 AC41270-013 11/20/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	260	350	1,900	1,100 J	100 U
Antimony	3	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	5.4	6	5.5	20 U	20 U
Barium	1,000	43	32	63	93	120
Beryllium	3	4 U	4 U	4 U	4 U	4 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NC	11,000	15,000	8,700	11,000	11,000
Chromium	50	25 U	25 U	25 U	25 U	25 U
Cobalt	NC	10 U	10 U	18	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U	25 U
Iron	300	29,000	22,000	4,800	1,600	590
Lead	25	5 U	5 U	5 U	5 U	5 U
Magnesium	35,000	2,000	1,800	1,300	1,600	1,400
Manganese	300	1800	3,600	4,800	5,400	5,300
Nickel	100	10 U	10 U	120	160	150
Potassium	NC	2,500 U	2,500 U	2,500 U	2,500 U	2,500 U
Selenium	10	25 U	25 U	25 U	25 U	25 U
Silver	50	10 U	10 U	10 U	10 U	10 U
Sodium	20,000	38,000	36,000	29,000	21,000	21,000
Thallium	0.5	5 U	5 U	5 U	5 U	5 U
Vanadium	NC	25 U	25 U	25 U	25 U	25 U
Zinc	2000	25 U	25 U	27	34 J	110 J

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-06 193.5-195.5 AC38492-008 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC38492-006 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-005 11/20/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-006 11/20/08 water µg/L conc Q	PW-06 PW-06-07 70-72 AC38739-008 7/16/08 water µg/L conc
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	1 U	1 U	1 U	NA	1
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	NA	1
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	NA	1
1,1,2-Trichloroethane	1	1 U	1 U	1 U	NA	1
1,1-Dichloroethane	5	1 U	1 U	1 U	NA	1
1,1-Dichloroethene	5	1 U	1 U	1 U	NA	1
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	NA	1
1,2,3-Trichloropropane	5	1 U	1 U	1 U	NA	1
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	NA	1
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	NA	1
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	NA	1
1,2-Dibromoethane	5	1 U	1 U	1 U	NA	1
1,2-Dichlorobenzene	3	1 U	1 U	1 U	NA	1
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	NA	0.5
1,2-Dichloropropane	1	1 U	1 U	1 U	NA	1
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	NA	1
1,3-Dichlorobenzene	3	1 U	1 U	1 U	NA	1
1,3-Dichloropropane	5	1 U	1 U	1 U	NA	1
1,4-Dichlorobenzene	3	1 U	1 U	1 U	NA	1
1,4-Dioxane	NC	50 R	50 R	250 R	NA	50
2-Butanone	NC	1 U	1 U	20 J	NA	1
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	NA	1
2-Hexanone	50	16 J	1 UJ	52 J	NA	1
4-Isopropyltoluene	5	1 U	1 U	1 U	NA	1
4-Methyl-2-Pentanone	NC	1 U	1 UJ	1 U	NA	1
Acetone	50	130	94 J	18 J	NA	5
Acrolein	5	5 U	5 UJ	5 UJ	NA	5
Acrylonitrile	5	1 U	1 UJ	1 UJ	NA	1
Benzene	1	0.5 U	0.5 U	0.5 U	NA	0.5
Bromochloromethane	5	1 U	1 U	1 U	NA	1
Bromodichloromethane	50	1 U	1 U	1 U	NA	1
Bromoform	50	1 U	1 U	1 U	NA	1
Bromomethane	5	1 U	1 U	1 U	NA	1
Carbon Disulfide	60	1 U	1 U	1 U	NA	1
Carbon Tetrachloride	5	1 U	1 U	1 U	NA	1
Chlorobenzene	5	1 U	1 U	1 U	NA	1
Chloroethane	5	1 U	1 U	1 U	NA	1
Chloroform	7	1 U	1 U	1 U	NA	1
Chloromethane	5	1 U	1 U	1 U	NA	1
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	NA	1

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-06 193.5-195.5 AC38492-008 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC38492-006 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-005 11/20/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-006 11/20/08 water µg/L conc Q	PW-06 PW-06-07 70-72 AC38739-008 7/16/08 water µg/L conc
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	NA	1
Cyclohexane	NC	1 U	1 U	1 U	NA	1
Dibromochloromethane	5	1 U	1 U	1 U	NA	1
Dichlorodifluoromethane	5	1 U	1 U	1 U	NA	1
Ethylbenzene	5	1 U	1 U	1 U	NA	1
Isopropylbenzene	5	1 U	1 U	1 U	NA	1
m&p-Xylenes	5	2 U	2 U	2 U	NA	2
Methyl Acetate	NC	1 U	1 U	1 U	NA	1
Methylcyclohexane	NC	1 U	1 U	1 U	NA	1
Methylene Chloride	5	1 U	1 U	1 U	NA	1
Methyl-t-butyl ether	10	1 U	1 U	0.5 U	NA	1
n-Butylbenzene	5	1 U	1 U	1 U	NA	1
n-Propylbenzene	5	1 U	1 U	1 U	NA	1
o-Xylene	5	1 U	1 U	1 U	NA	1
sec-Butylbenzene	5	1 U	1 U	1 U	NA	1
Styrene	5	1 U	1 U	1 U	NA	1
t-Butyl Alcohol	NC	16	14 J	100 J	NA	5
t-Butylbenzene	5	1 U	1 U	1 U	NA	1
Tetrachloroethene	5	1 U	1.4	1 U	NA	1
Toluene	5	1 U	1 U	1 U	NA	1
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	NA	1
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	NA	1
Trichloroethene	5	1 U	1 U	1 U	NA	1
Trichlorofluoromethane	5	1 U	1 U	1 U	NA	1
Vinyl Chloride	2	1 U	1 U	1 U	NA	1

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-05 PW-05-06 193.5-195.5 AC38492-008 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC38492-006 7/18/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-005 11/20/08 water µg/L conc Q	PW-05 PW-05-07 220.5-221.5 AC41270-006 11/20/08 water µg/L conc Q	PW-06 PW-06-07 70-72 AC38739-008 7/16/08 water µg/L conc
TAL Metals						
Mercury	0.7	0.58	0.66	0.2 UJ	0.2 U	0.2
Aluminum	NC	150,000	78,000	30,000 J	1,200 J	740
Antimony	3	38 U	38 U	7.5 U	7.5 U	7.5
Arsenic	25	170	280	21 J	20 U	4
Barium	1,000	1600	720	200 J	25 U	35
Beryllium	3	20 U	20 U	4 UJ	4 U	4
Cadmium	5	10 U	10 U	2 U	2 U	2
Calcium	NC	35,000	34,000	15,000 J	6,700	9,500
Chromium	50	440	400	62 J	25 U	25
Cobalt	NC	430	300	23 J	10 U	10
Copper	200	810	660	57 J	25 U	25
Iron	300	99,000	230,000	31,000 J	13,000 J	420
Lead	25	400	290	40 J	5 U	5
Magnesium	35,000	13,000	9,400	3,700 J	1,800	1,200
Manganese	300	350	470	210 J	67	310
Nickel	100	490	390	27 J	10 U	10
Potassium	NC	17,000	14,000	3,400 J	2,500 U	6,000
Selenium	10	120 U	120 U	25 U	25 U	25
Silver	50	50 U	50 U	10 U	10 U	10
Sodium	20,000	160,000	190,000	140,000 J	85,000	23,000
Thallium	0.5	25 U	25 U	5 U	5 U	5
Vanadium	NC	640	540	56 J	25 U	25
Zinc	2000	620	1,100	120 J	25 U	25

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	01 010 Q	PW-06 PW-06-02 90-92 AC38739-012 7/16/08 water µg/L conc	PW-06 PW-06-03 118-120 AC38739-011 7/16/08 water µg/L conc	PW-06 PW-06-04 150-152 AC38771-002 7/17/08 water µg/L conc	PW-06 PW-06-04 150-152 AC41270-001 11/20/08 water µg/L conc
			Q	Q	Q	Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	U	4.2	3.5	1 U	1 U
1,1,2,2-Tetrachloroethane	5	U	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	U	7.2	1.7	1 U	1 U
1,1-Dichloroethene	5	U	2.3	1.8	1 U	1 U
1,2,3-Trichlorobenzene	5	U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	R	50 R	50 R	50 R	250 R
2-Butanone	NC	U	1 U	1 U	64	16
2-Chloroethylvinylether	NC	UJ	1 U	1 UJ	1 UJ	1 UJ
2-Hexanone	50	U	1 UJ	1 U	1 UJ	5 U
4-Isopropyltoluene	5	U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	U	1 U	1 U	1 U	1 U
Acetone	50	U	20	5 U	300 J	5 U
Acrolein	5	U	5 U	5 U	5 UJ	5 UJ
Acrylonitrile	5	U	1 U	1 U	1 UJ	1 UJ
Benzene	1	U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	U	1 U	1 U	1 U	1 U
Bromoform	50	U	1 U	1 U	1 U	1 U
Bromomethane	5	U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	UJ	1 UJ	1 UJ	1 UJ	1 U
Carbon Tetrachloride	5	U	1 U	1 U	1 U	1 U
Chlorobenzene	5	U	1 U	1 U	1 U	1 U
Chloroethane	5	U	1 U	1 U	1 U	1 U
Chloroform	7	U	1 U	1 U	2.3	1 U
Chloromethane	5	U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	01 010 Q	PW-06 PW-06-02 90-92 7/16/08 water µg/L conc	PW-06 PW-06-03 118-120 7/16/08 water µg/L conc	PW-06 PW-06-04 150-152 7/17/08 water µg/L conc	PW-06 PW-06-04 150-152 11/20/08 water µg/L conc
			Q	Q	Q	Q
cis-1,3-Dichloropropene	0.4	U	1 U	1 U	1 U	1 U
Cyclohexane	NC	U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	U	1 U	1 U	1 U	1 U
Ethylbenzene	5	U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	U	1 U	1 U	1 U	1 U
Methylene Chloride	5	U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	U	1 U	1 U	1 U	0.5 U
n-Butylbenzene	5	U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	U	1 U	1 U	1 U	1 U
o-Xylene	5	U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	U	1 U	1 U	1 U	1 U
Styrene	5	U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	U	5 U	5 U	5 U	5 U
t-Butylbenzene	5	U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	U	1 U	1 U	1 U	2
Toluene	5	U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	U	1 U	1 U	1 U	1 U
Trichloroethene	5	U	1 U	2.6	1 U	1 U
Trichlorofluoromethane	5	U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	01 010 Q	PW-06 PW-06-02 90-92 AC38739-012 7/16/08 water µg/L conc	PW-06 PW-06-03 118-120 AC38739-011 7/16/08 water µg/L conc	PW-06 PW-06-04 150-152 AC38771-002 7/17/08 water µg/L conc	PW-06 PW-06-04 150-152 AC41270-001 11/20/08 water µg/L conc
			Q	Q	Q	Q
TAL Metals						
Mercury	0.7	U	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC		320	220	2,500	8,700 J
Antimony	3	U	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	U	5.9	4 U	5.8	31
Barium	1,000		36	83	160	170
Beryllium	3	U	4 U	4 U	4 U	4 U
Cadmium	5	U	2 U	2 U	2 U	2 U
Calcium	NC		20,000	15,000	33,000	17,000
Chromium	50	U	42	25 U	160	64
Cobalt	NC	U	11	10 U	71	42
Copper	200	U	25 U	25 U	25 U	95
Iron	300		29,000	1,200	110,000	50,000
Lead	25	U	5 U	5 U	5 U	26
Magnesium	35,000		2,700	6,200	8,600	5,700
Manganese	300		1,800	51	1,500	480
Nickel	100	U	10 U	10 U	91	53
Potassium	NC		4,500	2,500 U	10,000	3,200
Selenium	10	U	25 U	25 U	25 U	25 U
Silver	50	U	10 U	10 U	10 U	10 U
Sodium	20,000		86,000	19,000	150,000	33,000
Thallium	0.5	U	5 U	5 U	5 U	5 U
Vanadium	NC	U	25 U	25 U	25 U	46
Zinc	2000	U	25 U	25 U	330	130 J

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-04 150-152 AC41270-002 11/20/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC38771-003 7/17/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC41270-003 11/20/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC38771-001 7/17/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC41270-004 11/20/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	NA	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	NA	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	NA	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	NA	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	NA	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	NA	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	NA	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	NA	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	NA	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	NA	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	NA	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	NA	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	NA	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	NA	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	NA	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	NA	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	NA	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	NA	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	NA	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	NA	50 R	250 R	50 R	250 R
2-Butanone	NC	NA	31	43	42	44
2-Chloroethylvinylether	NC	NA	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	NA	1 UJ	5 U	1 UJ	5 U
4-Isopropyltoluene	5	NA	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	NA	1 U	1 U	1 U	1 U
Acetone	50	NA	320 J	47	360 J	5 U
Acrolein	5	NA	5 UJ	5 UJ	5 UJ	5 UJ
Acrylonitrile	5	NA	1 UJ	1 UJ	1 UJ	1 UJ
Benzene	1	NA	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	NA	1 U	1 U	1 U	1 U
Bromodichloromethane	50	NA	1 U	1 U	1 U	1 U
Bromoform	50	NA	1 U	1 U	1 U	1 U
Bromomethane	5	NA	1 U	1 U	1 U	1 U
Carbon Disulfide	60	NA	1 UJ	1 U	1 UJ	1 U
Carbon Tetrachloride	5	NA	1 U	1 U	1 U	1 U
Chlorobenzene	5	NA	1 U	1 U	1 U	1 U
Chloroethane	5	NA	1 U	1 U	1 U	1 U
Chloroform	7	NA	1 U	5.5	1 U	4
Chloromethane	5	NA	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	NA	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-04 150-152 AC41270-002 11/20/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC38771-003 7/17/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC41270-003 11/20/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC38771-001 7/17/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC41270-004 11/20/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	NA	1 U	1 U	1 U	1 U
Cyclohexane	NC	NA	1 U	1 U	1 U	1 U
Dibromochloromethane	5	NA	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	NA	1 U	1 U	1 U	1 U
Ethylbenzene	5	NA	1 U	1 U	1 U	1 U
Isopropylbenzene	5	NA	1 U	1 U	1 U	1 U
m&p-Xylenes	5	NA	2 U	2 U	2 U	2 U
Methyl Acetate	NC	NA	1 UJ	1 U	1 UJ	1 U
Methylcyclohexane	NC	NA	1 U	1 U	1 U	1 U
Methylene Chloride	5	NA	1 U	6.2	1 U	2.1
Methyl-t-butyl ether	10	NA	1 U	0.5 U	1 U	0.5 U
n-Butylbenzene	5	NA	1 U	1 U	1 U	1 U
n-Propylbenzene	5	NA	1 U	1 U	1 U	1 U
o-Xylene	5	NA	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	NA	1 U	1 U	1 U	1 U
Styrene	5	NA	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	NA	5 UJ	25 J	5 UJ	16
t-Butylbenzene	5	NA	1 U	1 U	1 U	1 U
Tetrachloroethene	5	NA	1 U	1 U	1.1	1.9
Toluene	5	NA	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	NA	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	NA	1 U	1 U	1 U	1 U
Trichloroethene	5	NA	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	NA	1 U	1 U	1 U	1 U
Vinyl Chloride	2	NA	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-04 150-152 AC41270-002 11/20/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC38771-003 7/17/08 water µg/L conc Q	PW-06 PW-06-05 166-168 AC41270-003 11/20/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC38771-001 7/17/08 water µg/L conc Q	PW-06 PW-06-06 180-182 AC41270-004 11/20/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	NA	0.2 U	NA
Aluminum	NC	230 J	1,000	NA	1,300	NA
Antimony	3	7.5 U	7.5 U	NA	7.5 U	NA
Arsenic	25	20 U	5.6	NA	9.3	NA
Barium	1,000	94	150	NA	120	NA
Beryllium	3	4 U	4 U	NA	4 U	NA
Cadmium	5	2 U	2 U	NA	2 U	NA
Calcium	NC	16,000	24,000	NA	23,000	NA
Chromium	50	25 U	25 U	NA	25 U	NA
Cobalt	NC	10 U	49	NA	160	NA
Copper	200	25 U	25 U	NA	25 U	NA
Iron	300	44,000	34,000	NA	51,000	NA
Lead	25	5 U	5 U	NA	5 U	NA
Magnesium	35,000	5,000	6,900	NA	7,400	NA
Manganese	300	380	590	NA	710	NA
Nickel	100	10 U	49	NA	87	NA
Potassium	NC	2,500 U	10,000	NA	12,000	NA
Selenium	10	25 U	25 U	NA	25 U	NA
Silver	50	10 U	10 U	NA	10 U	NA
Sodium	20,000	29,000	91,000	NA	65,000	NA
Thallium	0.5	5 U	5 U	NA	5 U	NA
Vanadium	NC	25 U	25 U	NA	25 U	NA
Zinc	2000	25 U	200	NA	470	NA

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-07 221-222 AC38771-004 7/17/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC38711-003 7/14/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC41213-006 11/19/08 water µg/L conc Q	PW-07 PW-07-02 95-97 AC38711-005 7/15/08 water µg/L conc Q	PW-07 PW-07-03 120-122 AC38711-004 7/14/08 water µg/L conc Q
Volatile Organic Compounds						
1,1,1-Trichloroethane	5	5 U	1 U	1 U	2	1 U
1,1,2,2-Tetrachloroethane	5	5 U	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	5 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	5 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	5 U	3.1	3.3	1.3	1 U
1,1-Dichloroethene	5	5 U	3.6	6.2	1 U	1 U
1,2,3-Trichlorobenzene	5	5 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	5 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	5 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	5 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	5 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	5 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	5 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	5 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	5 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	5 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	5 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	5 U	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	250 R	50 R	250 R	50 R	50 R
2-Butanone	NC	5 U	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	5 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	5 UJ	1 U	5 U	1 U	1 U
4-Isopropyltoluene	5	5 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	5 U	1 U	1 U	1 U	1 U
Acetone	50	25 UJ	210	49	5 U	77
Acrolein	5	25 UJ	5 UJ	5 UJ	5 UJ	5 UJ
Acrylonitrile	5	5 UJ	1 U	1 UJ	1 U	1 U
Benzene	1	2.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	5 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	5 U	1 U	1 U	1 U	1 U
Bromoform	50	5 U	1 U	1 U	1 U	1 U
Bromomethane	5	5 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	5 UJ	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	5 U	1 U	1 U	1 U	1 U
Chloroethane	5	5 U	1 U	1.9	1 U	1 U
Chloroform	7	5 U	1 U	1 U	1 U	1 U
Chloromethane	5	5 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	5 U	1 U	3	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-07 221-222 AC38771-004 7/17/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC38711-003 7/14/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC41213-006 11/19/08 water µg/L conc Q	PW-07 PW-07-02 95-97 AC38711-005 7/15/08 water µg/L conc Q	PW-07 PW-07-03 120-122 AC38711-004 7/14/08 water µg/L conc Q
cis-1,3-Dichloropropene	0.4	5 U	1 U	1 U	1 U	1 U
Cyclohexane	NC	5 U	1 U	1 U	1 U	1 U
Dibromochloromethane	5	5 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	5 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	5 U	1 U	1 U	1 U	1 U
Isopropylbenzene	5	5 U	1 U	1 U	1 U	1 U
m&p-Xylenes	5	10 U	2 U	2 U	2 U	2 U
Methyl Acetate	NC	5 U	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	5 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	5 U	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	5 U	1 U	1.4	1 U	1 U
n-Butylbenzene	5	5 U	1 U	1 U	1 U	1 U
n-Propylbenzene	5	5 U	1 U	1 U	1 U	1 U
o-Xylene	5	5 U	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	5 U	1 U	1 U	1 U	1 U
Styrene	5	5 U	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	25 U	5 U	5 U	5 U	5 U
t-Butylbenzene	5	5 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	130	1 U	1 U	1 U	1 U
Toluene	5	5 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	5 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	5 U	1 U	1 U	1 U	1 U
Trichloroethene	5	5 U	3.2	1 U	1 U	1 U
Trichlorofluoromethane	5	5 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	5 U	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-06 PW-06-07 221-222 AC38771-004 7/17/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC38711-003 7/14/08 water µg/L conc Q	PW-07 PW-07-01 70-72 AC41213-006 11/19/08 water µg/L conc Q	PW-07 PW-07-02 95-97 AC38711-005 7/15/08 water µg/L conc Q	PW-07 PW-07-03 120-122 AC38711-004 7/14/08 water µg/L conc Q
TAL Metals						
Mercury	0.7	0.2 U	0.2 U	NA	0.2 U	0.2 U
Aluminum	NC	1,400	100 U	NA	100 U	100 U
Antimony	3	7.5 U	7.5 U	NA	7.5 U	7.5 U
Arsenic	25	4 U	9	NA	4 U	4 U
Barium	1,000	44	86	NA	57	73
Beryllium	3	4 U	4 U	NA	4 U	4 U
Cadmium	5	2 U	2 U	NA	2 U	2 U
Calcium	NC	12,000	34,000 J	NA	11,000 J	13,000 J
Chromium	50	25 U	25 U	NA	25 U	25 U
Cobalt	NC	15	52	NA	10 U	10 U
Copper	200	25 U	25 U	NA	25 U	25 U
Iron	300	6,100	74,000	NA	1,300	1,900
Lead	25	5 U	5 U	NA	5 U	5 U
Magnesium	35,000	3,900	11,000	NA	1,400	3,300
Manganese	300	120	6,600	NA	100	110
Nickel	100	12	10 U	NA	10 U	10 U
Potassium	NC	2,900	5,900	NA	2,600	2,500 U
Selenium	10	25 U	25 U	NA	25 U	25 U
Silver	50	10 U	10 U	NA	10 U	10 U
Sodium	20,000	38,000	13,000	NA	25,000	31,000
Thallium	0.5	5 U	5 U	NA	5 U	5 U
Vanadium	NC	25 U	25 U	NA	25 U	25 U
Zinc	2000	42	25 U	NA	31	36

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-07 PW-07-04 145-147 AC38711-006 7/15/08 water µg/L conc Q	PW-07 PW-07-05 170-172 AC38711-008 7/15/08 water µg/L conc Q	PW-07 PW-07-06 197-199 AC38711-007 7/15/08 water µg/L conc Q	PW-07 PW-07-07 220-221 AC38711-012 7/15/08 water µg/L conc Q
Volatile Organic Compounds					
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	5	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	0.04	1 U	1 U	1 U	1 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene	5	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U
1,3-Dichloropropane	5	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U
1,4-Dioxane	NC	50 R	50 R	50 R	50 R
2-Butanone	NC	1 U	1 U	1 U	1 U
2-Chloroethylvinylether	NC	1 UJ	1 UJ	1 UJ	1 UJ
2-Hexanone	50	1 U	1 U	1 U	1 U
4-Isopropyltoluene	5	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	NC	1 U	1 U	1 U	1 U
Acetone	50	20	5 U	78	39
Acrolein	5	5 U	5 UJ	5 UJ	5 UJ
Acrylonitrile	5	1 U	1 U	1 U	1 U
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	5	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

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cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U
Cyclohexane	NC	1 U	1 U	1 U	1 U
Dibromochloromethane	5	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U
m&p-Xylenes	5	2 U	2 U	2 U	2 U
Methyl Acetate	NC	1 U	1 U	1 U	1 U
Methylcyclohexane	NC	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U
Methyl-t-butyl ether	10	3.7	1 U	1 U	1 U
n-Butylbenzene	5	1 U	1 U	1 U	1 U
n-Propylbenzene	5	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U
sec-Butylbenzene	5	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U
t-Butyl Alcohol	NC	5 UJ	5 UJ	5 UJ	5 UJ
t-Butylbenzene	5	1 U	1 U	1 U	1 U
Tetrachloroethene	5	1 U	1.5	1 U	1 U
Toluene	5	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	11	1 U	1.6
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U

APPENDIX B, TABLE 1
ANCHOR LITH KEM KO SITE (#1-30-021)
JULY AND NOVEMBER 2008 GROUNDWATER SAMPLING EVENTS
VOLATILE ORGANIC COMPOUNDS AND TAL METALS

Sample Location CMT Sample ID CMT screen interval (ft bgs) Laboratory ID Sample Date Matrix Units	NYSDEC Class GA Groundwater Criteria water µg/L	PW-07 PW-07-04 145-147 AC38711-006 7/15/08 water µg/L conc Q	PW-07 PW-07-05 170-172 AC38711-008 7/15/08 water µg/L conc Q	PW-07 PW-07-06 197-199 AC38711-007 7/15/08 water µg/L conc Q	PW-07 PW-07-07 220-221 AC38711-012 7/15/08 water µg/L conc Q
TAL Metals					
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U
Aluminum	NC	100 U	100 U	100 U	100 U
Antimony	3	7.5 U	7.5 U	7.5 U	7.5 U
Arsenic	25	4 U	4 U	4 U	4.5
Barium	1,000	29	30	25 U	25 U
Beryllium	3	4 U	4 U	4 U	4 U
Cadmium	5	2 U	2 U	2 U	2 U
Calcium	NC	6,100 J	11,000 J	4,200 J	5,600 J
Chromium	50	25 U	25 U	25 U	25 U
Cobalt	NC	10 U	10 U	10 U	10 U
Copper	200	25 U	25 U	25 U	25 U
Iron	300	3,300	1,800	3,600	6,100
Lead	25	5 U	5 U	5 U	5 U
Magnesium	35,000	1,300	3,300	1,200	1,600
Manganese	300	48	25 U	38	34
Nickel	100	10 U	10 U	10 U	10 U
Potassium	NC	2,500 U	2,500 U	2,500 U	2,500 U
Selenium	10	25 U	25 U	25 U	25 U
Silver	50	10 U	10 U	10 U	10 U
Sodium	20,000	29,000	23,000	50,000	54,000
Thallium	0.5	5 U	5 U	5 U	5 U
Vanadium	NC	25 U	25 U	25 U	25 U
Zinc	2000	34	25 U	49	180

Notes:

NC - No criterion

U - Not detected

J - Estimated value

R - Data rejected during validation

NA - Not analyzed



Analytical Assurance Associates, Inc.

600 Rock Raymond Road
Downingtown, PA 19335
Phone: 610 - 269 - 9989
Fax: 610 - 269 - 9989

**ORGANIC
DATA VALIDATION REPORT**

**EARTH TECH
ANCHOR LITH KEM KO PROJECT**

**ANALYZED BY
HAMPTON-CLARKE VERITECH LABORATORY
LABORATORY CASE No.: 8112001**

**REVIEWED BY:
Analytical Assurance Associates (A³)
600 Rock Raymond Road
Downingtown, PA 19335**

RECEIVED

JAN 19 2009

**EARTH TECH
BLOOMFIELD, NJ**

**EARTH TECH
ANCHOR LITH KEM KO PROJECT
LABORATORY ID: AC41213
CASE NO.: 8112001**

INTRODUCTION

This quality assurance review is based upon a review of all data generated from seven (7) aqueous samples including one trip blank, collected on November 18 and 19, 2008. Samples were received by Hampton-Clarke/Veritech laboratory on November 20, 2008 and analyzed for specific volatile organic compounds (VOCs) using EPA Method 624 following the criteria set forth in NYSDEC Category B.

The following samples are evaluated and included in this package review.

PW03-06	PW02-04
PW03-04	PW07-01
PW03-07	TB
PW02-06	

MS/MSD analysis was not performed on the above samples.

The analysis data were reviewed in accordance with the following parameters and all problems encountered during the analysis were summarized in this report.

QUALITY ASSURANCE REVIEW

The findings offered in this report are based upon a review of the following criteria:

- Data Completeness
- Holding Times
- Calibrations
- Blanks
- Surrogate Recoveries
- Internal Standards Recovery
- Matrix Spike/Spike Duplicate/Blank Spike Analyses
- Instrument Performance
- Field Duplicate Results
- Sample Results

DATA COMPLETENESS

The CLP data package was not provided. However, the reported data was summarized on the similar CLP forms and considered acceptable.

The narrower ranges for percent abundance ratios in tune analysis were reported by laboratory for ions 50, 174 and 175. The data was not impacted since the reported abundance ratios were within the method recommended limits.

%Ds in continuing calibrations reported by the laboratory was not calculated based on the calculations recommended by the method. Consequently some %Ds were above 25%. The %Ds were recalculated by the data reviewer and reported accordingly.

The reported limit for dioxane in trip blank (50 ug/L) was not the same as the reported values (250 ug/L) for other aqueous samples since trip blank was analyzed on GCMS#3.

HOLDING TIME

Samples were analyzed within 10-day from the VTSR. All samples were preserved at pH less than 2 pH unit.

A daily tune analysis was performed by the laboratory. Consequently the 12-hour tune analysis was exceeded for all samples. Samples were analyzed 1:44 to 6:02 hours beyond the 12-hour tune analysis, the frequency required by the CLP VOC SOW and also by SW-846 Method 8260B. However, these samples were analyzed using EPA Method 624, which only requires a tune "at the beginning of each day that analyses are to be performed." As the tune frequency was consistent with the requirements of the method, sample data were accepted, since all other criteria met the requirements for the tune analysis.

CALIBRATION

The response factors for acrolein (0.014, 0.027, 0.017 & 0.024), t-butyl alcohol (0.027, 0.018, 0.029 & 0.015), and 1,4-dioxane (0.004, 0.004, 0.004 & 0.004) were below data validation requirement of 0.05 in initial and continuing calibrations. These compounds are not considered as TCL compounds and they are known as low response factor compounds. Sample data was not qualified for acrolein and t-butyl alcohol since their Rfs were above "0.01" control limits recommended by the method. However, the reported results and non-detected values for 1,4-dioxane were qualified in accordance with the Region II guidelines.

1,4-Dioxane was not detected in the samples. The reported non-detected values were contractually rejected "R".

All %RSDs were within the control limits with the exception of %RSD for acrolein (31%), Acrylonitrile (33%) and 2-chloroethylvinylether (32%) in initial calibration analyzed on 11-18-08 (GCMS#6). The non-detected values in the corresponding samples (all sample except trip blank) were qualified estimated.

Several %Ds were above 25% in the corresponding continuing calibrations. The laboratory reported the percent difference between the concentrations and the expected true values instead of %Ds between response factors. The reported %Ds were recalculated. All recalculated %Ds were within the control limit of 25.

BLANKS

The laboratory method blanks were free of target compound. Toluene was detected in Trip blank at a level (1.2 ug/L) above the reporting limits. This compound was not detected in the samples. Therefore, sample data was not impacted. Storage blank was not analyzed with this batch.

SURROGATE RECOVERIES

Samples were spiked with four surrogate compounds prior to analysis. The recoveries were within the control limits.

MATRIX SPIKE/SPIKE DUPLICATE ANALYSIS

Matrix spike/spike duplicate analysis was performed on samples AC4129-005 from an alternate batch for thirty-one (31) specific volatile compounds. The percent recoveries and RPDs were within the control limits with the exception of recoveries for 2-chloroethylvinylether (0.0%) in both MS and MSD samples. The laboratory case narrative indicated that this compound readily decomposes under acidic condition. It is the data reviewer's opinion that 2-chloroethylvinylether could not be recovered under these specific sampling/analysis procedures and the non-detected values should be accepted with the qualifier code "UJ", since the recoveries were within the control limits in all blank spike samples.

INTERNAL STANDARD

The recoveries and retention times were within the control limits.

FIELD DUPLICATE

Field duplicate analysis was not performed with this batch of samples. Duplicate samples were collected from this site. The analysis results were reported under separate cover page.

SAMPLE RESULTS

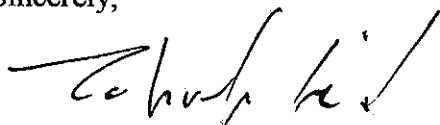
All samples were analyzed at one-fold dilutions. Acetone was detected in samples PW03-07 and PW07-01 at relatively high concentrations. Other chlorinated target compounds were detected at levels less than ten times the reporting limits. Non-target compounds were not detected in these samples.

SUMMARY

The cooler temperature (3.5°C) was considered acceptable.

All data have been validated in accordance with the data quality assurance set forth in NYSDEC ASP for Evaluating Organic analyses. The USEPA Region II Data Validation SOP # HW-6 Revision 14, (September 2006), modified as needed for the specific requirements the analytical used by the laboratory (EPA Method 624), was utilized to review the data completeness and data quality. The analysis problems were discussed in the above sections. Major problems were not encountered during the sample analysis. The reported sample data were accepted with the applied qualifier codes. If you have any questions or comments on this data review, please contact Zohreh Hamid at (610) 269-9989.

Sincerely,

A handwritten signature in black ink, appearing to read 'Zohreh Hamid', with a stylized flourish at the end.

Zohreh Hamid, Ph.D
Analytical Assurance Associates

- 1. Appendix A- Glossary of Data Qualifier**
- 2. Appendix B- Laboratory Form I, & Applied Qualifier Codes**
- 3. Appendix D- Resubmission (If applicable)**

Appendix A
Glossary of Data Qualifiers

GLOSSARY OF DATA QUALIFIERS

CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED SUBSTANTIALLY ABOVE THE LEVEL
REPORTED IN LABORATORY OR FIELD BLANKS.
[Substantially is equivalent to a result less than 10 times the
blank level for common contaminants (methylene chloride,
acetone and 2- butanone — in the VOA analyses, and common
phthalates in the BNA analyses, along with tentatively
identified compounds) or less than 5 times the blank level for
other target compounds.]**
- R = UNUSABLE RESULT. THE PRESENCE OR ABSENCE OF
THIS ANALYTE CANNOT BE VERIFIED. SUPPORTING
DATA NECESSARY TO CONFIRM RESULT.**
- N = NEGATED COMPOUND. THERE IS PRESUMPTIVE
EVIDENCE TO MAKE A TENTATIVE
IDENTIFICATION.**

CODES RELATING TO QUATITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE WAS POSITIVELY IDENTIFIED. REPORTED
VALUE MAY NOT BE ACCURATE OR PRECISE.**
- UJ = ANALYTE WAS NOT DETECTED. THE REPORTED
QUATITATION LIMIT IS QUALIFIED ESTIMATED.**

OTHER CODES

- Q = NO ANALYTICAL RESULT.**

Appendix B
Laboratory Form I and Applied Qualifier Codes

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-001

Client Id: PW03-06

Data File: 6M34926.D

Analysis Date: 11/24/08 22:02

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U UJ	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U UJ	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-001
Client Id: PW03-06
Data File: 6M34926.D
Analysis Date: 11/24/08 22:02
Date Rec/Extracted: 11/20/08-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-002

Client Id: PW03-04

Data File: 6M34927.D

Analysis Date: 11/24/08 22:18

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	0.80
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U UJ	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U UJ	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration 0.80

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-002
Client Id: PW03-04
Data File: 6M34927.D
Analysis Date: 11/24/08 22:18
Date Rec/Extracted: 11/20/08-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-003

Client Id: PW03-07

Data File: 6M34928.D

Analysis Date: 11/24/08 22:34

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	6.9
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	110	127-18-4	Tetrachloroethene	1.0	1.2
107-02-8	Acrolein	5.0	U U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration 120

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-003

Client Id: PW03-07

Data File: 6M34928.D

Analysis Date: 11/24/08 22:34

Date Rec/Extracted: 11/20/08-NA

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids:

Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-004

Client Id: PW02-06

Data File: 6M34929.D

Analysis Date: 11/24/08 22:50

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	2.5
107-02-8	Acrolein	5.0	U U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration **2.5**

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-004
Client Id: PW02-06
Data File: 6M34929.D
Analysis Date: 11/24/08 22:50
Date Rec/Extracted: 11/20/08-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-005

Client Id: PW02-04

Data File: 6M34930.D

Analysis Date: 11/24/08 23:06

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U UJ	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U UJ	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-005

Client Id: PW02-04

Data File: 6M34930.D

Analysis Date: 11/24/08 23:06

Date Rec/Extracted: 11/20/08-NA

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids:

Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-006

Client Id: PW07-01

Data File: 6M34931.D

Analysis Date: 11/24/08 23:22

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	1.9
75-34-3	1,1-Dichloroethane	1.0	3.3	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	6.2	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	3.0
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methycyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	1.4
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	49	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U UJ	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U UJ	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration **0.65**

nd 11/11/09

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-006	Matrix: Aqueous
Client Id: PW07-01	Initial Vol: 5ml
Data File: 6M34931.D	Final Vol: NA
Analysis Date: 11/24/08 23:22	Dilution: 1.00
Date Rec/Extracted: 11/20/08-NA	Solids:
	Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41213-007

Client Id: TB

Data File: 3M56408.D

Analysis Date: 11/21/08 23:19

Date Rec/Extracted: 11/20/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	1.2
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104544

Total Target Concentration 21.2

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1eORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AC41213-007	Matrix: Aqueous
Client Id: TB	Initial Vol: 5ml
Data File: 3M56408.D	Final Vol: NA
Analysis Date: 11/21/08 23:19	Dilution: 1.00
Date Rec/Extracted: 11/20/08-NA	Solids:
	Method: EPA 624

Units: ug/L

Cas #	Compound	RT	Conc
1	No Unknown Compounds Detected	0.00	0J

Worksheet #: 104544

Total Tentatively Identified Concentration 0*A - Indicates an aldol condensate.**J - Indicates an estimated value.**B - Indicates the analyte was found in the blank as well as in the sample.*



Analytical Assurance Associates, Inc.

600 Rock Raymond Road
Downingtown, PA 19335
Phone: 610 - 269 - 9989
Fax: 610 - 269 - 9989

**ORGANIC & INORGANIC
DATA VALIDATION REPORT**

**EARTH TECH
ANCHOR LITH KEM KO PROJECT**

**ANALYZED BY
HAMPTON-CLARKE VERITECH LABORATORY
LABORATORY CASE No.: 8112106**

**REVIEWED BY:
Analytical Assurance Associates (A³)
600 Rock Raymond Road
Downingtown, PA 19335**

RECEIVED

JAN 19 2009

**EARTH TECH
BLOOMFIELD, NJ**

**EARTH TECH
ANCHOR LITH KEM KO PROJECT
LABORATORY ID: AC41270
CASE NO.: 8112106**

INTRODUCTION

This quality assurance review is based upon a review of all data generated from eight (8) aqueous samples including one set of field duplicate, one field blank and one trip blank, collected on 11-20-2008. Samples were received by Hampton-Clarke/Veritech laboratory on 11-21-2008 and analyzed for specific volatile organic compounds (VOCs) using EPA Method 624 following the criteria set forth in NYSDEC Category B.

The following samples are evaluated and included in this package review.

PW06-04U	PW65-07U
PW06-05	FB112008
PW06-06	TB
PW05-07U	PW05-05U

MS/MSD analysis was not performed on samples from this batch.

The reported analytical data for the above samples were evaluated in accordance with the following parameters and summarized in this report.

QUALITY ASSURANCE REVIEW

The findings offered in this report are based upon a review of the following criteria:

- Data Completeness
- Holding Times
- Calibrations
- Blanks
- Surrogate Recoveries
- Internal Standards Recovery
- Matrix Spike/Spike Duplicate/Blank Spike Analyses
- Instrument Performance
- Field Duplicate Results
- Sample Results

DATA COMPLETENESS

The incorrect samples preservation was inadvertently reported on page 0037. The laboratory was contacted. The sample preservation was corrected and resubmitted.

The CLP data package was not provided. However, the reported data was summarized on the similar CLP forms and considered acceptable.

%Ds in continuing calibrations reported by the laboratory was not calculated based on the calculations recommended by the method. Consequently some %Ds were above 25%. The %Ds were recalculated by the data reviewer and reported accordingly.

The reporting limit for dioxane on GCMS#6 (250 ppb) was different than GCMS#3 (50 ppb)

HOLDING TIME

Samples were analyzed within 10-day from the VTSR. Samples were preserved at pH less than 2 pH unit.

A daily tune analysis was performed by the laboratory. Consequently the 12-hour tune analysis was exceeded for samples FB 112008 and TB. These samples were analyzed 3:43 to 4:01 hours beyond the 12-hour tune analysis, the frequency required by the CLP VOC SOW and also by SW-846 Method 8260B. However, these samples were analyzed using EPA Method 624, which only requires a tune "at the beginning of each day that analyses are to be performed." As the tune frequency was consistent with the requirements of the method, sample data were accepted, since all other criteria met the requirements for the tune analysis.

CALIBRATION

The response factors for acrolein (0.014, 0.027, 0.027, 0.019, 0.0200 & 0.028), t-butyl alcohol (0.027, 0.018, 0.017, 0.031, 0.036 & 0.031), and 1,4-dioxane (0.004, 0.004, 0.004, 0.004, 0.005 & 0.005) were below data validation requirement of 0.05 in all initial and continuing calibrations. These compounds are not considered as TCL compounds and they are known as low response factor compounds. Sample data was not qualified for acrolein and t-butyl alcohol since their Rfs were above "0.01" control limits recommended by the method. However, the reported results and non-detected values for 1,4-dioxane were qualified in accordance with the Region II guidelines.

1,4-Dioxane was not detected in the samples. The reported non-detected values were contractually rejected "R".

All %RSDs were within the control limits with the exception of %RSD for acrolein (31%), Acrylonitrile (33%) and 2-chloroethylvinylether (32%) in initial calibration analyzed on 11-18-08 (GCMS#6). These compounds were not detected in the samples. The non-detected values were qualified estimated "UJ" in the corresponding samples: AC41270- (001, 003, 004 & 005).

Several %Ds were above 25% in the continuing calibrations. The laboratory reported the percent difference between the concentrations and expected true values instead of %Ds between response factors. The %Ds were recalculated and the following "recalculated" %Ds were above 25% control limit:

Compound	CC 11-24-08 @ 7:06	CC 11-26-08@ 7:26	CC 11-26-08 @ 7:27
Chloromethane	27		
Acetone		27	
cis-1,2-Dichloropropene		31	
1,2-Dibromoethane		30	
Acrolein			42
Acrylonitrile			28
t-Butyl Alcohol			33
Sample: AC41270-	009 011	007 012	001 003 005

The reported sample results and non-detected values were qualified estimated (J & UJ).

BLANKS

The laboratory method blanks, field blank and trip blank were free of target compound. Storage blank was not analyzed with this batch.

SURROGATE RECOVERIES

Samples were spiked with four surrogate compounds prior to analysis. The recoveries were within the control limits.

MATRIX SPIKE/SPIKE DUPLICATE ANALYSIS

Matrix spike/spike duplicate analysis was not performed on samples from this batch. Two sets of matrix spike/spike duplicate samples were analyzed from alternate batches. The recoveries and RPDs were within the control limits with the exception of 2-chloroethylvinylether (0.0%) recovery in AC41290-005 MS/MSD samples. The laboratory case narrative indicated that this compound readily decomposes under acidic condition. This compound was not detected in the

samples. Therefore, the non-detected values were accepted with the qualifier code "UJ" since the recoveries were within the control limits in all blank spike samples.

INTERNAL STANDARD

The recoveries and retention times were within the control limits.

FIELD DUPLICATE

Field duplicate analysis was performed on samples PW-05-07U/PW-65-07U. RPDs for the detected compounds were 200% with the exception of t-butyl alcohol (74%).

Acetone, 2-butanone and 2-hexanone were reported in the field sample (PW-05-07U), and tetrachloroethene was solely reported in the field duplicate sample. Consequently the RPDs for these compounds exceeded 100%. The reported sample results were qualified estimated for all target compounds detected in these two samples.

SAMPLE RESULTS

All samples were analyzed at one-fold dilutions.

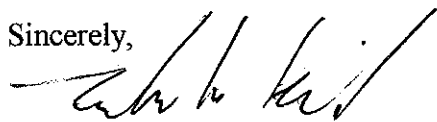
An intensive peak was detected at about RT = 4.5 minute in samples PW-06-05 and PW-06-06. This peak was not identified since the TICs were not searched for these samples.

SUMMARY

The cooler temperature (3.7°C) was considered acceptable.

All data have been validated in accordance with the data quality assurance set forth in NYSDEC ASP for Evaluating Organic analyses. The USEPA Region II Data Validation SOP # HW-6 Revision 14, (September 2006), modified as needed for the specific requirements the analytical used by the laboratory (EPA Method 624), was utilized to review the data completeness and data quality. The analysis problems were discussed in the above sections. Sample data was accepted with the applied qualifier codes. If you have any questions or comments on this data review, please contact Zohreh Hamid at (610) 269-9989.

Sincerely,



Zohreh Hamid, Ph.D
Analytical Assurance Associates

TOTAL & DISSOLVED METAL ANALYSES

**EARTH TECH
ANCHOR LITH KEM KO PROJECT
LABORATORY ID: AC41270
CASE NO.: 8112106**

INTRODUCTION

This quality assurance review is based upon a review of all data generated from 10 (ten) aqueous (five total and five dissolved) samples including one set of field duplicate samples and one field blank, collected on 11-20-2008. Samples were received by Hampton-Clarke/Veritech laboratory on 11-21-2008 and analyzed for Total and dissolved metals according to the EPA Methods 200.7 and 245.1 for ICP metals and mercury respectively.

The following samples are evaluated and included in this package review.

PW06-04U	PW65-07F
PW06-04F	FB112008U
PW05-07U	FB112008F
PW05-07F	PW05-05U
PW65-07U	PW05-05F

MS and MD analyses were performed on sample PW05-05U for total metal analysis.

The analysis data were reviewed in accordance with the following parameters and all problems encountered during the analysis were summarized in this report.

QUALITY ASSURANCE REVIEW

The findings offered in this report are based upon a review of the following criteria:

- Data Completeness
- Holding Times
- Calibrations & CRDL Analyses
- Blanks
- ICP Interference Check Sample
- Matrix Spike Analysis
- Matrix Duplicate Analysis
- Laboratory Control Sample Analysis
- ICP Serial Dilution Analysis
- Instrument Detection Limits
- Field Duplicate Results
- Sample Results

DATA COMPLETENESS

Data completeness was satisfactory.

HOLDING TIME

Samples were digested and analyzed within the holding time requirements established in the corresponding methods.

CALIBRATIONS & CRDL ANALYSES

The recoveries were within the control limits in initial and continuing calibrations analyzed prior and after sample analysis for all metals. The CRDL sample analysis was not performed for ICP metals since this quality sample analysis is optional.

BLANKS

The preparation blanks, ICBs and CCBs were free of target analyte at levels above the CRDLs. Field blank was free of target analytes for both total and dissolved samples

ICP INTERFERENCE CHECK SAMPLE

The recoveries for ICSA and ICSB were within the control limit of 80-120% for ICP metals.

MATRIX SPIKE ANALYSIS

Matrix spike and spike duplicate analysis was performed on sample PW05-05 for total metals. The recoveries were within 75-125% control limits with the exception of Al (209/226%) in MS/MSD. The positive sample results were considered biased high and qualified estimated (J & UP". Also, the recoveries for Mn (49/62%) were below the control limits. Sample data was not impacted since the field sample result was above four times (4x) the amount of spike added to these QC samples.

MATRIX DUPLICATE ANALYSIS

Matrix duplicate analysis was performed on sample PW05-05 for total analysis. The RPDs were within the control limits.

SERIAL DILUTION

This quality control sample was analyzed on sample PW05-05 for ICP metals. The %Differences for Zn (11%) was above 10%. The positive sample results were qualified estimated "J".

LABORATORY CONTROL SAMPLE

The recoveries were within the control limits in this analysis.

FIELD DUPLICATE ANALYSIS

Field duplicate was analyzed on sample PW05-07U/PW65-07U and PW05-07F/PW65-07F for total and dissolved analyses. The results and RPDs were listed on table I. & II for total and dissolved metals respectively.

Sample PW65-07U was reanalyzed at a 2-fold dilution under separate calibration analysis. Please note that the RPDs exceeded 50% control limits for almost all detected metals in total analysis. This discrepancy should be investigated by the sampling and/or laboratory procedures.

SAMPLE RESULTS

ICP metals were analyzed at 0.5-fold dilutions with the exception of ICP metals in sample PW65-07U. This sample was reanalyzed at a 2-fold dilution due to the high concentration of the analytes.

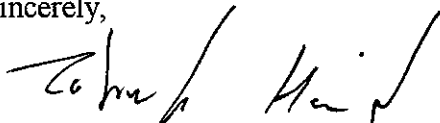
The comparisons of total and dissolved analyses were satisfactory with the exception of the results for zinc in samples PW05-05U/PW05-05F. The concentration for zinc in dissolved sample was almost 3 times the concentration in the corresponding total sample. This analyte was qualified due to the serial dilution outlier. Additional qualifier code was not applied.

SUMMARY

The cooler temperature (3.7 °C) was within the acceptable limits. The reported sample data was considered acceptable.

All data have been validated in accordance with the data quality assurance set forth in NYSDEC ASP for Evaluating TAL metals. The USEPA Region II Data Validation SOP # HW-2, Revision 13, (September 2006) was utilized to review the data completeness and data quality. The analysis problems were discussed in the above section. If you have any questions or comments on this data review, please contact Zohreh Hamid at (610) 269-9989.

Sincerely,



Zohreh Hamid, Ph.D
Analytical Assurance Associates

Table I
Field Duplicate Precision
Laboratory Project No.: 8112106
Total Analysis

Analyte	Field Sample PW05-07U	Field Dup PW65-07U	RPD
Aluminum	30000	260000	157
Antimony			
Arsenic	21	460	183
Barium	200	1900	162
Beryllium		18	200
Cadmium			
Calcium	15000	55000	114
Chromium	62	700	167
Cobalt	23	500	182
Copper	57	1200	182
Iron	31000	390000	171
Lead	40	590	175
Magnesium	3700	21000	140
Manganese	210	600	96
Mercury		2.3	200
Nickel	27	690	185
Potassium	3400	21000	144
Selenium			
Silver			
Sodium	140000	71000	65
Thallium			
Vanadium	56	1000	179
Zinc	120	2500	180

The reported results and non-detected values for the RPDs above 50% were qualified estimated.

Table II
Field Duplicate Precision
Laboratory Project No.: 8112106
Dissolved Analysis

Analyte	Field Sample PW05-07F	Field Dup PW65-07F	RPD
Aluminum	1200	740	47
Antimony			
Arsenic			
Barium			
Beryllium			
Cadmium			
Calcium	6700	6600	1.5
Chromium			
Cobalt			
Copper			
Iron	13000	710	180
Lead			
Magnesium	1800	2000	11
Manganese	67	56	18
Mercury			
Nickel			
Potassium			
Selenium			
Silver			
Sodium	85000	52000	48
Thallium			
Vanadium			
Zinc			

The reported results for iron were qualified estimated in these two samples

- 1. Appendix A- Glossary of Data Qualifier**
- 2. Appendix B- Laboratory Form I, & Applied Qualifier Codes**
- 3. Appendix D- Resubmission (If applicable)**

Appendix A
Glossary of Data Qualifiers

GLOSSARY OF DATA QUALIFIERS

CODES RELATING TO IDENTIFICATION

(confidence concerning presence or absence of compounds):

- U = NOT DETECTED SUBSTANTIALLY ABOVE THE LEVEL
REPORTED IN LABORATORY OR FIELD BLANKS.
[Substantially is equivalent to a result less than 10 times the
blank level for common contaminants (methylene chloride,
acetone and 2- butanone in the VOA analyses, and common
phthalates in the BNA analyses, along with tentatively
identified compounds) or less than 5 times the blank level for
other target compounds.]**
- R = UNUSABLE RESULT. THE PRESENCE OR ABSENCE OF
THIS ANALYTE CANNOT BE VERIFIED. SUPPORTING
DATA NECESSARY TO CONFIRM RESULT.**
- N = NEGATED COMPOUND. THERE IS PRESUMPTIVE
EVIDENCE TO MAKE A TENTATIVE
IDENTIFICCATION.**

CODES RELATING TO QUATITATION

(can be used for both positive results and sample quantitation limits):

- J = ANALYTE WAS POSITIVELY IDENTIFIED. REPORTED
VALUE MAY NOT BE ACCURATE OR PRECISE.**
- UJ = ANALYTE WAS NOT DETECTED. THE REPORTED
QUATITATION LIMIT IS QUALIFIED ESTIMATED.**

OTHER CODES

- Q = NO ANALYTICAL RESULT.**

Appendix B
Laboratory Form I and Applied Qualifier Codes

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-001

Client Id: PW-06-04 U

Data File: 6M35040.D

Analysis Date: 11/26/08 11:35

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	16	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U UJ
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	2.0
107-02-8	Acrolein	5.0	U UJ	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U UJ	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 18

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-003

Client Id: PW-06-05

Data File: 6M35041.D

Analysis Date: 11/26/08 11:51

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3 Chloroform		1.0	5.5
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2 Methylene Chloride		1.0	6.2
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	✕ R	103-65-1	n-Propylbenzene	1.0	U
78-93-3 2-Butanone		1.0	43	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	✕ UJ	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0 t-Butyl Alcohol		5.0	25 }
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1 Acetone		5.0	47	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	✕ UJ	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	✕ UJ	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 8.130

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-004

Client Id: PW-06-06

Data File: 6M34986.D

Analysis Date: 11/25/08 14:51

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3 Chloroform		1.0	4.0
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2 Methylene Chloride		1.0	2.1
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3 2-Butanone		1.0	44	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0 t-Butyl Alcohol		5.0	16
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4 Tetrachloroethene		1.0	1.9
107-02-8	Acrolein	5.0	U U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104243

Total Target Concentration 0.68

U - Indicates the compound was analyzed but not detected.
 B - Indicates the analyte was found in the blank as well as in the sample.
 E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out
 J - Indicates an estimated value when a compound is detected at less than the specified detection limit.
 d - Pesticide %Diff > 40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-005

Client Id: PW-05-07 U

Data File: 6M35042.D

Analysis Date: 11/26/08 12:08

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	250	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	5.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	100 J
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 2190

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-007

Client Id: PW-65-07 U

Data File: 3M56545.D

Analysis Date: 11/26/08 11:54

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3 Chloroform		1.0	1.1
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0 t-Butyl Alcohol		5.0	15
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4 Tetrachloroethene		1.0	4.0
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 0.20

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-009

Client Id: FB 112008 U

Data File: 3M56468.D

Analysis Date: 11/24/08 22:37

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-011

Client Id: TB

Data File: 3M56469.D

Analysis Date: 11/24/08 22:55

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U R	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 0

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

ORGANICS VOLATILE REPORT

Sample Number: AC41270-012

Client Id: PW05-05 U

Data File: 3M56546.D

Analysis Date: 11/26/08 12:11

Date Rec/Extracted: 11/21/08-NA

Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 624

Matrix: Aqueous

Initial Vol: 5ml

Final Vol: NA

Dilution: 1.00

Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	75-15-0	Carbon Disulfide	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	108-90-7	Chlorobenzene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	75-00-3	Chloroethane	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	74-87-3	Chloromethane	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U	124-48-1	Dibromochloromethane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	100-41-4	Ethylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	98-82-8	Isopropylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.50	U	136777612	m&p-Xylenes	2.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79-20-9	Methyl Acetate	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	75-09-2	Methylene Chloride	1.0	U
142-28-9	1,3-Dichloropropane	1.0	U	1634-04-4	Methyl-t-butyl ether	0.50	U
106-46-7	1,4-Dichlorobenzene	1.0	U	104-51-8	n-Butylbenzene	1.0	U
123-91-1	1,4-Dioxane	50	U	103-65-1	n-Propylbenzene	1.0	U
78-93-3	2-Butanone	1.0	U	95-47-6	o-Xylene	1.0	U
110-75-8	2-Chloroethylvinylether	1.0	U	135-98-8	sec-Butylbenzene	1.0	U
591-78-6	2-Hexanone	1.0	U	100-42-5	Styrene	1.0	U
99-87-6	4-Isopropyltoluene	1.0	U	75-65-0	t-Butyl Alcohol	5.0	33
108-10-1	4-Methyl-2-Pentanone	1.0	U	98-06-6	t-Butylbenzene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	1.3
107-02-8	Acrolein	5.0	U	108-88-3	Toluene	1.0	U
107-13-1	Acrylonitrile	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
71-43-2	Benzene	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
74-97-5	Bromochloromethane	1.0	U	79-01-6	Trichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-25-2	Bromoform	1.0	U	75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 104242

Total Target Concentration 234

U - Indicates the compound was analyzed but not detected.

B - Indicates the analyte was found in the blank as well as in the sample.

E - Indicates the analyte concentration exceeds the calibration range of the instrument.

R - Retention Time Out

J - Indicates an estimated value when a compound is detected at less than the specified detection limit.

d - Pesticide %Diff>40% between columns due to coelution. Lower concentration used.

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-001
 Client Id: PW-06-04 U
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	100	8700	J 0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-36-0	Antimony	7.5	ND	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-38-2	Arsenic	20	31	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-39-3	Barium	25	170	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-41-7	Beryllium	4.0	ND	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-43-9	Cadmium	2.0	ND	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-70-2	Calcium	1000	17000	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-47-3	Chromium	25	64	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-48-4	Cobalt	10	42	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-50-8	Copper	25	95	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7439-89-6	Iron	150	50000	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7439-92-1	Lead	5.0	26	0.5	11/30/08	9738	A9738C2	22	P	PEICP2
7439-95-4	Magnesium	1000	5700	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7439-96-5	Manganese	25	480	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7439-97-6	Mercury	0.20	ND	1	12/03/08	9738	H9738A	18	CV	HGCV1
7440-02-0	Nickel	10	53	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-09-7	Potassium	2500	3200	0.5	11/27/08	9738	A9738B2	21	P	PEICPRAD2
7782-49-2	Selenium	25	ND	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-22-4	Silver	10	ND	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-23-5	Sodium	2500	33000	0.5	11/27/08	9738	A9738B2	21	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-62-2	Vanadium	25	46	0.5	11/26/08	9738	A9738A2	22	P	PEICP2
7440-66-6	Zinc	25	130	J 0.5	11/26/08	9738	A9738A2	22	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-002
 Client Id: PW-06-04 F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	230	1	0.5 11/26/08	9738	A9738A2	23	P	PEICP2
7440-36-0	Antimony	7.5	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-38-2	Arsenic	20	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-39-3	Barium	25	94	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-41-7	Beryllium	4.0	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-43-9	Cadmium	2.0	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-70-2	Calcium	1000	16000	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-47-3	Chromium	25	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-48-4	Cobalt	10	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-50-8	Copper	25	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7439-89-6	Iron	150	44000	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7439-92-1	Lead	5.0	ND	0.5	11/30/08	9738	A9738C2	23	P	PEICP2
7439-95-4	Magnesium	1000	5000	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7439-96-5	Manganese	25	380	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7439-97-6	Mercury	0.20	ND	1	12/03/08	9738	H9738A	19	CV	HGCV1
7440-02-0	Nickel	10	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-09-7	Potassium	2500	ND	0.5	11/27/08	9738	A9738B2	22	P	PEICPRAD2
7782-49-2	Selenium	25	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-22-4	Silver	10	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-23-5	Sodium	2500	29000	0.5	11/27/08	9738	A9738B2	22	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-62-2	Vanadium	25	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2
7440-66-6	Zinc	25	ND	0.5	11/26/08	9738	A9738A2	23	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-005
 Client Id: PW-05-07 U
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	30000	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-36-0	Antimony	7.5	ND		0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-38-2	Arsenic	20	21	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-39-3	Barium	25	200	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-41-7	Beryllium	4.0	ND	UJ	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-43-9	Cadmium	2.0	ND		0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-70-2	Calcium	1000	15000	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-47-3	Chromium	25	62	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-48-4	Cobalt	10	23	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-50-8	Copper	25	57	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7439-89-6	Iron	150	31000	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7439-92-1	Lead	5.0	40	J	0.5 11/30/08	9738	A9738C2	24	P	PEICP2
7439-95-4	Magnesium	1000	3700	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7439-96-5	Manganese	25	210	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7439-97-6	Mercury	0.20	ND	UJ	1 12/03/08	9738	H9738A	20	CV	HGCV1
7440-02-0	Nickel	10	27	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-09-7	Potassium	2500	3400	J	0.5 11/27/08	9738	A9738B2	23	P	PEICPRAD2
7782-49-2	Selenium	25	ND		0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-22-4	Silver	10	ND		0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-23-5	Sodium	2500	140000	J	0.5 11/27/08	9738	A9738B2	23	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND		0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-62-2	Vanadium	25	56	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2
7440-66-6	Zinc	25	120	J	0.5 11/26/08	9738	A9738A2	24	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-006
 Client Id: PW-05-07 F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	1200	J	0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-38-0	Antimony	7.5	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-38-2	Arsenic	20	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-39-3	Barium	25	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-41-7	Beryllium	4.0	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-43-9	Cadmium	2.0	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-70-2	Calcium	1000	6700		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-47-3	Chromium	25	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-48-4	Cobalt	10	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-50-8	Copper	25	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7439-89-6	Iron	150	13000	J	0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7439-92-1	Lead	5.0	ND		0.5 11/30/08	9738	A9738C2	25	P	PEICP2
7439-95-4	Magnesium	1000	1800	-	0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7439-96-5	Manganese	25	67		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7439-97-6	Mercury	0.20	ND		1 12/03/08	9738	H9738A	23	CV	HGCV1
7440-02-0	Nickel	10	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-09-7	Potassium	2500	ND		0.5 11/27/08	9738	A9738B2	24	P	PEICPRAD2
7782-49-2	Selenium	25	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-22-4	Silver	10	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-23-5	Sodium	2500	85000		0.5 11/27/08	9738	A9738B2	24	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-62-2	Vanadium	25	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2
7440-66-6	Zinc	25	ND		0.5 11/26/08	9738	A9738A2	25	P	PEICP2

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-007
 Client Id: PW-65-07 U
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date	Prep Batch	File:	Seq Num	M	Instr
7429-90-5	Aluminum	400	260000	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-36-0	Antimony	30	ND		2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-38-2	Arsenic	80	460	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-39-3	Barium	100	1900	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-41-7	Beryllium	16	18	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-43-9	Cadmium	8.0	ND		2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-70-2	Calcium	4000	55000	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-47-3	Chromium	100	700	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-48-4	Cobalt	40	500	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-50-8	Copper	100	1200	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7439-89-6	Iron	600	390000	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7439-92-1	Lead	20	590	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7439-95-4	Magnesium	4000	21000	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7439-96-5	Manganese	100	600	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7439-97-6	Mercury	0.20	2.3	J	1/12/03/08	9738	H9738A	24	CV	HGCV1
7440-02-0	Nickel	40	690	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-09-7	Potassium	10000	21000	J	2/12/01/08	9738	A9738G2	10	P	PEICPRAD2
7782-49-2	Selenium	100	ND		2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-22-4	Silver	40	ND		2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-23-5	Sodium	10000	71000	J	2/12/01/08	9738	A9738G2	10	P	PEICPRAD2
7440-28-0	Thallium	20	ND		2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-62-2	Vanadium	100	1000	J	2/12/01/08	9738	A9738F2	11	P	PEICP2
7440-66-6	Zinc	100	2500	J	2/12/01/08	9738	A9738F2	11	P	PEICP2

Comments:

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-008
 Client Id: PW-65-07 F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	740	J	0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-38-0	Antimony	7.5	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-38-2	Arsenic	20	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-39-3	Barium	25	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-41-7	Beryllium	4.0	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-43-9	Cadmium	2.0	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-70-2	Calcium	1000	6600		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-47-3	Chromium	25	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-48-4	Cobalt	10	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-50-8	Copper	25	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7439-89-6	Iron	150	710	J	0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7439-92-1	Lead	5.0	ND		0.5 11/30/08	9738	A9738C2	31	P	PEICP2
7439-95-4	Magnesium	1000	2000		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7439-96-5	Manganese	25	56		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7439-97-6	Mercury	0.20	ND		11/20/08	9738	H9738A	25	CV	HGCV1
7440-02-0	Nickel	10	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-09-7	Potassium	2500	ND		0.5 11/27/08	9738	A9738B2	30	P	PEICPRAD2
7782-49-2	Selenium	25	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-22-4	Silver	10	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-23-5	Sodium	2500	52000		0.5 11/27/08	9738	A9738B2	30	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-62-2	Vanadium	25	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2
7440-66-6	Zinc	25	ND		0.5 11/26/08	9738	A9738A2	31	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-009
 Client Id: FB 112008 U
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-36-0	Antimony	7.5	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-38-2	Arsenic	20	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-39-3	Barium	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-41-7	Beryllium	4.0	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-43-9	Cadmium	2.0	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-70-2	Calcium	1000	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-47-3	Chromium	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-48-4	Cobalt	10	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-50-8	Copper	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7439-89-6	Iron	150	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7439-92-1	Lead	5.0	ND	0.5	11/30/08	9738	A9738C2	32	P	PEICP2
7439-95-4	Magnesium	1000	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7439-96-5	Manganese	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7439-97-6	Mercury	0.20	ND	1	12/03/08	9738	H9738A	26	CV	HGCV1
7440-02-0	Nickel	10	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-09-7	Potassium	2500	ND	0.5	11/27/08	9738	A9738B2	31	P	PEICPRAD2
7782-49-2	Selenium	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-22-4	Silver	10	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-23-5	Sodium	2500	ND	0.5	11/27/08	9738	A9738B2	31	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-62-2	Vanadium	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2
7440-66-6	Zinc	25	ND	0.5	11/26/08	9738	A9738A2	32	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-010
 Client Id: FB 112008 F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-36-0	Antimony	7.5	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-38-2	Arsenic	20	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-39-3	Barium	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-41-7	Beryllium	4.0	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-43-9	Cadmium	2.0	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-70-2	Calcium	1000	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-47-3	Chromium	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-48-4	Cobalt	10	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-50-8	Copper	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7439-89-6	Iron	150	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7439-92-1	Lead	5.0	ND	0.5	11/30/08	9738	A9738C2	33	P	PEICP2
7439-95-4	Magnesium	1000	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7439-96-5	Manganese	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7439-97-6	Mercury	0.20	ND	1	12/03/08	9738	H9738A	27	CV	HGCV1
7440-02-0	Nickel	10	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-09-7	Potassium	2500	ND	0.5	11/27/08	9738	A9738B2	32	P	PEICPRAD2
7782-49-2	Selenium	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-22-4	Silver	10	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-23-5	Sodium	2500	ND	0.5	11/27/08	9738	A9738B2	32	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-62-2	Vanadium	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2
7440-66-6	Zinc	25	ND	0.5	11/26/08	9738	A9738A2	33	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-012
 Client Id: PW05-05 U
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	1100	J	0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-36-0	Antimony	7.5	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-38-2	Arsenic	20	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-39-3	Barium	25	93		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-41-7	Beryllium	4.0	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-43-9	Cadmium	2.0	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-70-2	Calcium	1000	11000		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-47-3	Chromium	25	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-48-4	Cobalt	10	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-50-8	Copper	25	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7439-89-6	Iron	150	1600		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7439-92-1	Lead	5.0	ND		0.5 11/30/08	9738	A9738C2	14	P	PEICP2
7439-95-4	Magnesium	1000	1600		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7439-96-5	Manganese	25	5400		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7439-97-6	Mercury	0.20	ND		1 12/03/08	9738	H9738A	14	CV	HGCV1
7440-02-0	Nickel	10	160		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-09-7	Potassium	2500	ND		0.5 11/27/08	9738	A9738B2	13	P	PEICPRAD2
7782-49-2	Selenium	25	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-22-4	Silver	10	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-23-5	Sodium	2500	21000		0.5 11/27/08	9738	A9738B2	13	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-62-2	Vanadium	25	ND		0.5 11/26/08	9738	A9738A2	14	P	PEICP2
7440-66-6	Zinc	25	34	J	0.5 11/26/08	9738	A9738A2	14	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - ColdVapor

MS - ICP-MS

Form1

Inorganic Analysis Data Sheet

Sample ID: AC41270-013
 Client Id: PW05-05 F
 Matrix: AQUEOUS
 Level: LOW

% Solid: 0
 Units: UG/L
 Date Rec: 11/21/2008

Lab Name: Veritech
 Lab Code:
 Contract:

Nras No:
 Sdg No:
 Case No:

Cas No.	Analyte	RL	Conc	Dil Fact	Analysis Date:	Prep Batch	File:	Seq Num:	M	Instr
7429-90-5	Aluminum	100	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-36-0	Antimony	7.5	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-38-2	Arsenic	20	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-39-3	Barium	25	120	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-41-7	Beryllium	4.0	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-43-9	Cadmium	2.0	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-70-2	Calcium	1000	11000	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-47-3	Chromium	25	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-48-4	Cobalt	10	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-50-8	Copper	25	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7439-89-6	Iron	150	590	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7439-92-1	Lead	5.0	ND	0.5	11/30/08	9738	A9738C2	34	P	PEICP2
7439-95-4	Magnesium	1000	1400	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7439-96-5	Manganese	25	5300	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7439-97-6	Mercury	0.20	ND	1	12/03/08	9738	H9738A	28	CV	HGCV1
7440-02-0	Nickel	10	150	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-09-7	Potassium	2500	ND	0.5	11/27/08	9738	A9738B2	33	P	PEICPRAD2
7782-49-2	Selenium	25	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-22-4	Silver	10	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-23-5	Sodium	2500	21000	0.5	11/27/08	9738	A9738B2	33	P	PEICPRAD2
7440-28-0	Thallium	5.0	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-62-2	Vanadium	25	ND	0.5	11/26/08	9738	A9738A2	34	P	PEICP2
7440-66-6	Zinc	25	110	0.5	11/26/08	9738	A9738A2	34	P	PEICP2

Comments: _____

Flag Codes:

U or ND - Indicates Compound was not found above the detection/reporting limit

P - ICP-AES

CV - Cold Vapor

MS - ICP-MS

Appendix C
Support Documentation/Resubmission
If Applicable

PRESERVATION DOCUMENT

Batch Number AC41270

Entered By: children

Date Entered 11/21/2008 11:58:00 AM

Lab#:	Container Siz	Container Typ	Paramete	Preservative	PH
AC41270-001	1L	P	METALS	HNO3	1
AC41270-001	40ML	G	VO+10	HCL	1
AC41270-002	NA	NA	NA	NA	NA
AC41270-003	40ml	G	VO+10	HCL	1
AC41270-004	40ml	G	VO+10	HCL	1
AC41270-005	40ml	G	VO+10	HCL	1
AC41270-005	1L	P	METALS	HNO3	1
AC41270-006	NA	NA	NA	NA	NA
AC41270-006	NA	NA	NA	NA	NA
AC41270-007	40ml	G	VO+10	HCL	1
AC41270-007	1L	P	METALS	HNO3	1
AC41270-008	NA	NA	NA	NA	NA
AC41270-008	40ML	G	VO+10	HCL	1
AC41270-009	40ml	G	VO+10	HCL	1
AC41270-009	1L	P	METALS	HNO3	1
AC41270-010	NA	NA	NA	NA	NA
AC41270-011	40ml	G	VO+10	HCL	1
AC41270-012	40ml	G	VO+10	HCL	1
AC41270-012	1L	P	METALS	HNO3	1
AC41270-013	NA	NA	NA	NA	NA

Re 1/2/09

