FPM group

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November 18, 2004

Mr. Joseph Jones
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233

Re: **Bi-annual Groundwater Monitoring and Status Report**
Arkwin Industries Site
NYSDEC Registry # 1-30-043D
FPM File No. 652-04-05

Dear Mr. Jones:

In accordance with the groundwater and remediation system monitoring schedule outlined in the November 2000 Groundwater Remediation Work Plan (GRWP) with addendums (January 2002) and the March 2003 Operation, Maintenance and Monitoring Plan (OMMP) for the above-referenced site, as approved by the New York State Department of Environmental Conservation (NYSDEC), the second round of bi-annual groundwater monitoring was performed by FPM Group (FPM) on March 24, 2004. Wells AIMW-10A, AIMW-10B, AIMW-11A, AIMW-11B, MW-4 and MW-7, situated hydraulically downgradient of the site, were sampled to evaluate the performance of the two air sparge/soil vapor extraction (AS/SVE) groundwater remediation systems, which were placed into operation in November 2002. In addition, seven upgradient monitoring wells, AIMW-8A, AIMW-8B, AIMW-9A, AIMW-9B, MW-1, MW-2 and MW-3, were sampled to monitor the contamination migrating onto the site from off-site sources. A site plan showing the well locations is included as Plate 1. This report also includes a discussion of the operation and maintenance activities performed on the AS/SVE systems.

Groundwater Monitoring Procedures

The wells to be sampled were purged of at least three but no more than five casing volumes of water using a dedicated disposable bailer. Following the removal of each casing volume of water, the parameters turbidity, pH, conductivity, and temperature were measured to determine if equilibrium had been reached. In general, all parameters except for turbidity had stabilized following the removal of three casing volumes of water. Turbidity was noted to exceed 50 nephelometric turbidity units (NTUs) in most of the wells following purging. Therefore, to reduce sample turbidity, the wells were allowed to stand undisturbed for approximately one to two hours prior to sampling. Well purging data were recorded on well sampling forms, which are included in Attachment A.

Following purging, each well was sampled using a disposable bailer. The retrieved samples were transferred into laboratory-supplied sample bottles and the filled sample bottles were labeled and placed in a cooler with ice to depress the sample temperature. A chain of custody form was completed and kept with the filled coolers to document the sequence of sample possession. The filled coolers were transmitted via overnight courier to Severn-Trent Laboratories, a New York State Department of Health NELAP-certified laboratory. All samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by NYSDEC ASP methods with Category B deliverables. The laboratory report is included in Attachment B.

Quality Assurance/Quality Control

Several types of quality assurance/quality control (QA/QC) samples were obtained during the groundwater sampling. One equipment blank sample was prepared by pouring laboratory-supplied deionized water through the sampling apparatus and capturing the liquid in the appropriate sample bottles. The equipment blank sample was tested for the same parameters as the associated primary environmental samples. The equipment blank sample results were evaluated to determine the potential for either laboratory or field contamination and attest to the quality of the equipment decontamination procedures.

The equipment blank sample results (AIMW-11E) are summarized in Table 1. A low estimated concentration of methylene chloride was detected in AIMW-11E and likely indicates laboratory contamination as the source of this VOC. Methylene chloride was not detected in any of the primary environmental samples and, therefore, does not appear to present a concern.

A blind duplicate sample was also collected and was analyzed for the same constituents as the associated parent sample. The results were utilized to evaluate the precision of the laboratory analysis. Blind duplicate sample results are summarized in Table 1 together with the results from the associated parent sample. The results from the blind duplicate sample (MW-12) and associated parent groundwater sample (AIMW-10A) are very similar and, therefore, the laboratory results are likely to be reasonably precise.

A trip blank sample was submitted with each cooler that contained samples for VOC analysis. The trip blank sample consists of two filled, preserved, and unopened vials of laboratory water which are kept with the unfilled sample bottles and transported to the laboratory with the filled sample bottles in the coolers. The purpose of the trip blank sample is to provide an indication of the potential for cross-contamination of the VOC samples within the coolers. The trip blank sample results (trip blank) are summarized in Table 1. No VOCs were detected in the trip blank and, therefore it does not appear that cross contamination is a concern for the environmental samples.

Matrix spike/matrix spike duplicate (MS/MSD) samples consist of field samples spiked with known concentrations of the analytes of interest for the purpose of assessing the effect of the matrix on the reliability of the analytical results. Spiking occurs in the laboratory prior to sample preparation and analysis. One MS/MSD sample was collected during this sampling event. The MS/MSD results are included in the chemical analytical data package in Attachment B. Based on information provided by the analytical laboratory, the MS/MSD results were within QC limits with the exception of a slightly elevated recovery of the ethylbenzene surrogate in the MS sample. This suggests that the results for ethylbenzene may be biased high. However, since

ethylbenzene is not an analyte of concern at this site and was not detected in any of the primary environmental samples, these results do not appear to present a concern.

Other laboratory QA/QC samples include method blank samples. The method blank sample results are included in the chemical analytical data package in Attachment B. The results indicate that there were no detected compounds in the laboratory method blank samples with the exception of a low estimated concentration of methylene chloride. Methylene chloride is a common laboratory contaminant and was detected in the equipment blank sample but was not detected in any of the environmental samples. Therefore, these detections do not appear to have affected the sample results.

Finally, the laboratory also utilized spiked laboratory control samples (LCSs) to evaluate accuracy of the laboratory results. A review of the LCS results included in Attachment B indicates that all of the surrogate compound recoveries were above their allowable recovery limits in one LCS. However, since surrogate recoveries were acceptable for the primary environmental samples associated with this LCS, these results suggest that the laboratory results are accurate for the primary environmental samples.

In summary, based on the results of the QA/QC samples, the chemical analytical data from the groundwater samples collected during this sampling event may generally be relied upon and no significant field or laboratory contamination appears to be present.

Groundwater Monitoring Results

Depth-to-groundwater measurements were recorded at nine shallow-screened monitoring wells and incorporated with measured well casing elevations to develop a water table elevation contour map. The water table elevation and total VOC concentration for each well are shown on Plate 1. The groundwater flow direction is to the south-southwest, which is consistent with previous groundwater flow direction measurements.

The results of the March 2004 sampling performed by FPM are summarized in Table 2 together with historical sampling results performed by FPM and others. The chemical analytical laboratory report is included in Attachment B. These data indicate that several VOCs were detected at each of the upgradient and downgradient wells, with the exceptions of wells AIMW-9A, AIMW-9B, AIMW-10B, MW-3 and MW-7 where no VOCs were detected. VOCs that exceeded the NYSDEC Standards were noted at shallow-screened (0 to 10 feet below the water table) upgradient wells MW-2 and AIMW-8A. These data indicate that in shallow groundwater VOC contamination at concentrations of up to 33.5 micrograms per liter (ug/l) total VOCs continues to migrate onsite from off-site sources. Both of these wells are located upgradient of the eastern AS/SVE system. VOCs were not detected upgradient of the western AS/SVE system in either the shallow or intermediate-depth groundwater.

Exceedances of NYSDEC Standards were noted at shallow-screened downgradient wells AIMW-10A, AIMW-11A, and MW-4; AIMW-10A is located downgradient of the western AS/SVE system and AIMW-11A and MW-4 are located downgradient of the eastern AS/SVE system. Total VOC concentrations were noted to decrease downgradient of the western system. Downgradient of the eastern system both increases and decreases relative to the previous sampling event were noted. However, in comparison to historic sampling results, the March 2004 results are significantly lower.

VOCs were detected in one upgradient intermediate-depth well (25 to 35 feet below the water table), AIMW-8B, and one downgradient intermediate-depth well, AIMW-11B. The VOCs detected in AIMW-8B did not exceed NYSDEC Standards. In well AIMW-11B, trichloroethylene was the only VOC noted to slightly exceed its NYSDEC Standard. These data indicate that very minimal concentrations of VOCs are present in the intermediate-depth groundwater.

In comparison to the previous results, VOC concentrations have continued to remain low or have decreased in wells situated downgradient of the former source areas. Well MW-7, located downgradient of the 648 Main Street former source area (westem system), has showed significant declines since monitoring of this well was first conducted in October 1998. In October 1998 the total VOC concentration at well MW-7 was 866 ug/l and the March 2004 results indicate that VOC concentrations were not detected. At well AIMW-10A, located further downgradient of the 648 Main Street former source area, total VOC concentrations were noted to continue to decrease from 61 ug/l in September 2003 to 23 ug/l in March 2004. Concentrations of VOCs in AIMW-10B, the downgradient intermediate-depth well continue to be below detection limits.

VOC concentrations downgradient of the 66 Brooklyn Avenue former source area (eastern system) have remained relatively unchanged since the September 2003 sampling event. Well MW-4, located downgradient of the 66 Brooklyn Avenue former source area, has shown a slight increase in total VOCs from 7 ug/l in September 2003 to 26 ug/l in March 2004. Well AIMW-11A, located further downgradient, VOC concentrations have declined somewhat from September 2003 (92 ug/l) to March 2004 (87 ug/l). Concentrations of total VOCs in well AIMW-11B, the downgradient intermediate-depth well, have also declined somewhat from 33 ug/l in September 2003 to 21 ug/l in March 2004.

AS System Monitoring

In accordance with the OMMP, both remediation System A (66 Brooklyn Avenue) and System B (648 Main Street) are checked on a monthly basis by FPM personnel to ensure proper operation and to perform routine maintenance tasks. In addition, Arkwin personnel perform weekly system checks to ensure system operation and to notify FPM of any system irregularities. The AS/SVE systems were in place and on line in November 2002 and have been in continuous operation since that time, with the exception of down time for regular moisture removal (especially during the colder months) and for air sparge compressor repair on System B (May 2004).

Monitoring of the AS systems has been conducted by regularly monitoring of air injection flow rates and injection pressures to ensure proper AS system operation, and by measuring the concentration of dissolved oxygen (DO) in monitoring wells within the radius of influence or in close proximity of the AS wells. The DO levels for well MW-4 (situated in proximity to System A) and well MW-7 (situated within the radius of influence of System B) were noted to be 8.24 mg/l and 8.30 mg/l, respectively. DO levels collected prior to remediation system operation ranged from 7.1 to 7.5 mg/l in these wells. DO will continue to be monitored on a bi-annual basis to establish a dataset for further evaluation.

SVE System Monitoring

Two sets of effluent samples were collected from each system to evaluate emissions compliance during the first and second quarters of 2004. The samples were transmitted to a NELAP-approved laboratory for analysis of VOCs by EPA Method TO14. The laboratory reports are included in Attachment B.

The results are summarized on Table 3 and indicate that effluent total chlorinated VOC concentrations generally increased throughout this monitoring period in System A, from 227 parts per billion per volume, or ppbv March 2004 to 442 ppbv in June 2004. The increase in concentrations is attributed to a damaged pipe at the SVE-2 well head, which was repaired in May 2004, resulting in an increase in recovery for this system. These concentrations are expected to decrease once equilibrium has been reestablished. Several petroleum-related compounds (benzene, ethylbenzene, xylenes, etc.) were also noted at generally low concentrations in the SVE effluent. These compounds have previously been periodically detected in the SVE effluent at low concentrations and their source is not known. None of these compounds was detected in the groundwater samples.

Effluent concentrations were noted to decrease in System B following AS compressor repairs, ranging from 1,329.1 ppbv in December 2003 to 243 ppbv in June 2004. Low concentrations of petroleum-related compounds (1,3,5- and 1,2,4-trimethylbenzene) and trichlorofluoromethane were also noted in the System B effluent. The concentrations of these compounds were not elevated and the compounds were not detected in the groundwater samples.

To ensure compliance with effluent guidelines, FPM previously calculated the various air impacts and compared them to the applicable annual guideline concentration (AGC) and short-term guideline concentration (SGC) for each compound identified as a site concern, as specified in NYSDEC's DAR-1 Guidelines for the Control of Toxic and Ambient Air Contaminants. These calculations were presented in the OMMP prepared in March 2003 and indicated that following startup, slight exceedances were noted, but upon resampling the levels had dropped to below each compound's respective AGC and SGC. The concentrations detected in the March and June 2004 SVE effluent samples remained below the AGCs and SGCs. Based upon compliance with the AGCs and SGCs, no effluent treatment is required at this time. FPM will continue to sample the effluent from each system on a quarterly basis to ensure compliance with the applicable guidelines.

Total VOC Mass Removal Estimate

An estimate of the total pounds of VOCs removed for each SVE system was calculated and indicates that since startup, estimated totals of approximately 351.33 pounds and approximately 377.30 pounds of VOCs have been removed by Systems A and B, respectively, as shown in Table 3. The removed mass of each compound is calculated is as follows:

VOC removed in pounds/day = (flow rate in cfm) (1440 mins/day) (laboratory VOC concentration in ppb) (1/volume of 1 mole VOC at 35°C) (total VOC molecular weight in grams/mole) (various unit conversions)

For example, for the VOC tetrachloroethylene, the calculation for December 2003 in System A is as follows:

tetrachloroethylene removed (pounds per day) = (105 ft^3/min) (1440 mins/day) (110 ppb) (1 mole/25.27 liters) (165.83 g/mole) (2.203 pounds/1,000 g) (28.32 l/ft^3) (1/10^9)

tetrachloroethylene removed (pounds per day) = 0.006809 lbs/day= 6.81 * 10^{-3} lbs/day

Once the estimated daily loading rate is computed, it is then multiplied by the number of operating days to yield an estimated total mass removed for the specific compound. Similar calculations are performed for each additional VOC of concern and then a cumulative total is calculated to yield an estimated mass removed, as shown in Table 3.

The data for VOC mass removal rates indicate that the majority of the VOC mass was removed following system startup and that removal rates are decreasing over time, as expected. The total mass of VOCs removed from Systems A and B in the first half of 2004 was only 3.27 pounds and 4.87 pounds, respectively. Figure 1 shows graphically the total VOC mass removal over time for each system.

Summary and Recommendations

Based on the current groundwater chemical analytical data, very little groundwater VOC contamination remains present in the shallow groundwater in the downgradient vicinity of the formerly-impacted leaching pools. Slightly higher VOC concentrations remain present in the groundwater further downgradient of the former source areas. Since the source for these VOCs has been removed and active groundwater remediation is occurring, groundwater VOC concentrations are expected to continue to decrease over time. Total VOC concentrations at all of the site wells are significantly lower than the pre-source removal concentrations of October 1998 and continue an overall declining trend. Wells in the closest downgradient position relative to the remediation systems (MW-7 and MW-4) have shown the most significant decreases since the startup of the remediation systems. Wells further downgradient (AIMW-10A and AIMW-11A) have also shown decreases and are expected to continue their downward trend.

Shallow and intermediate-depth groundwater upgradient of the western system no longer contains detectable concentrations of VOCs. Shallow and intermediate-depth groundwater upgradient of the eastern system contains only low to slightly elevated VOC concentrations.

The following recommendations are made for the site:

- Based on the March 2004 chemical analytical results, FPM recommends continued routine bi-annual monitoring of site wells to monitor the reduction of total VOC concentrations and to observe any migration of upgradient contamination onsite; and

- Since the AS/SVE systems are operating properly and are effectively removing subsurface contaminants, FPM recommends continued operation and monitoring of each system.

Should you have any questions, please do not hesitate to call us at (631) 737-6200.

Very truly yours,

Ben T. Cancemi
Senior Hydrogeologist

Stephanie O. Davis
Department Manager
Senior Hydrogeologist

SOD/BTC:tac
Attachments

cc: Guy Bobersky - NYSDEC
Stephen Holbreich, Esq. – Arkwin Industries
Thomas Molloy – Arkwin Industries
Gary Litwin – NYSDOH (two copies)
Peter A. Scully – NYSDEC Region 1

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TABLE 1
QUALITY ASSURANCE/QUALITY CONTROL SAMPLE RESULTS
ARKWIN INDUSTRIES SITE WESTBURY, NEW YORK

Sample Type	Equipment Blank Sample	Blind Duplicate Sample		Trip Blank
Sample No.	AIMW-11E	AIMW-10A (Primary)	MW-12 (Duplicate)	Trip Blank
Sample Date	3/24/04	3/24/04	3/24/04	3/24/04
Target Compound List Volatile Organic Compounds in micrograms per liter				
Methylene chloride	2 J	ND	ND	ND
1,1-Dichloroethylene	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND
1,2-Dichloroethylene	ND	19	20	ND
1,1,1-Trichloroethane	ND	ND	ND	ND
Trichloroethene	ND	1 J	2 J	ND
Tetrachloroethene	ND	3 J	3 J	ND
Carbon Disulfide	ND	ND	ND	ND

Notes:

ND = Not detected at or above instrument detection limit.
J = Estimated concentration less than the quantitation limit but greater than zero.

TABLE 2
GROUNDWATER VOLATILE ORGANIC COMPOUND DATA
ARKWIN INDUSTRIES SITE
WESTBURY, NEW YORK

SHALLOW WELLS
(0 to 10 feet below water table)

Well Location	Upgradient Wells																									NYSDEC Class GA Ambient Water Quality Standards
Well No.	AIMW-9A					MW-3					MW-2					AIMW-8A					MW-1					
Sample Date	10/98	1/21/02	3/4/03	9/25/03	3/24/04	10/98	1/22/02	3/6/03	9/25/03	3/24/04	10/98	1/24/02	3/6/03	9/25/03	3/24/04	10/98	1/21/02	3/6/03	9/25/03	3/24/04	10/98	1/22/02	3/6/03	9/25/03	3/24/04	
Volatile Organic Compounds in ug/l																										
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	5
Carbon Disulfide	NA	NA	ND	ND	ND	NA	NA	**7**	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	5
1,1-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**8 J**	NA	5 J	5 J	4 J	ND	2 J	2 J	3 J	2 J	2 J	ND	0.9 J	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	NA	**7**	5	7	1 J	5 J	5	**11**	3 J	ND	ND	ND	ND	ND	5
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**9 J**	NA	2 J	2 J	1 J	3 J	2 J	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2 J**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6 J**	NA	**10**	**6**	**10**	4 J	**12**	**9**	**22**	**7**	**7 J**	4 J	3 J	ND	ND	5
Trichloroethylene	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	**120**	NA	**17**	**18**	**11**	**39**	**30**	**8**	4 J	4 J	ND	1 J	ND	0.8 J	1 J	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	0.7 J	ND	ND	ND	NA	1 J	1 J	0.5 J	ND	ND	0.5 J	0.7 J	ND	ND	3 J	2 J	2 JB	2 J	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Methylene Chloride	ND	2 JB	ND B	ND B	ND	ND	**6 JB**	ND B	ND B	ND	ND	NA	ND B	ND B	ND	ND	**13 B**	ND B	ND B	ND	ND	**13 B**	ND B	ND B	ND	5
Total Volatile Organic Compounds	2	ND	ND	ND	ND	ND	ND	8.7	ND	ND	148	NA	42	37	33.5	47	51	24.5	40.7	16	9	8	5.9	2.8	3	-

Notes:

Only analytes detected in one or more samples are included in this table.
ND = Not Detected.
NA = Not Available
B = Analyte was detected in associated blank and may result from contamination.
D = Diluted sample result.
J = An estimated value.
ug/l = micrograms per liter
- = No NYSDEC Class GA Ambient Water Quality Standard established.
Bold values exceed the NYSDEC Class GA Ambient Water Quality Standard.

FPM

TABLE 2 (CONTINUED)
GROUNDWATER VOLATILE ORGANIC COMPOUND DATA
ARKWIN INDUSTRIES SITE
WESTBURY, NEW YORK

SHALLOW WELLS
(0 to 10 feet below water table)

Well Location	Downgradient Wells																				NYSDEC Class GA Ambient Water Quality Standards
Well No.	AIMW-10A					MW-7					AIMW-11A					MW-4					
Sample Date	10/98	1/21/02	3/4/03	9/25/03	3/24/04	10/98	1/22/02	3/6/03	9/25/03	3/24/04	10/98	1/22/02	3/4/03	9/25/03	3/24/04	10/98	1/22/02	3/4/03	9/25/03	3/24/04	
Volatile Organic Compounds in ug/l																					
Acetone	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	NA	0.7 J	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	5
Carbon Disulfide	ND	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	5
1,1-Dichloroethylene	**32 DJ**	**28**	**10**	1 J	ND	**54**	4 J	ND	ND	ND	**27**	**15**	**11**	5	8	**20**	4 J	ND	ND	ND	5
1,1-Dichloroethane	**59 D**	**73**	**23**	5 J	ND	**180 D**	**6 J**	ND	ND	ND	**12**	**12**	**16**	5	5	**12**	**18**	**10**	ND	ND	5
1,2-Dichloroethylene	5 J	2 J	**6**	**8**	**19**	**7 J**	ND	ND	ND	ND	ND	**18**	**26**	**27**	**12**	**13**	**39**	**36**	2 J	3 J	5
Chloroform	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	**220 D**	**61**	**10**	ND	**560 D**	**30**	ND	ND	ND	**400 D**	**79**	**73**	**13**	**14**	**200 D**	**86**	**26**	ND	ND	5
Trichloroethylene	**7 J**	**6 J**	4 J	1 J	1 J	**16**	1 J	ND	ND	ND	**17**	**33**	**39**	**24**	**22**	**24**	**50**	**26**	1 J	1 J	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	**2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Tetrachloroethylene	**14**	**20**	**12**	3 J	3 J	**45**	5 J	ND	0.8 J	ND	**57**	**80**	**85**	**18 B**	**26**	**120**	**92**	**55**	4 J	**22**	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Methylene Chloride	ND	**9 JB**	ND B	ND B	ND	ND	2 JB	ND B	ND B	ND	ND	**1 JB**	ND B	ND B	ND	ND	3 JB	ND B	ND B	ND	5
Total Volatile Organic Compounds	117	349	116.7	61	23	866	46	ND	0.8	ND	513	237	250	92	87	389	289	153	7	26	-

Notes:

Only analytes detected in one or more samples are included in this table.
ND = Not Detected.
NA = Not Available
B = Analyte was detected in associated blank and may result from contamination.
D = Diluted sample result.
J = An estimated value.
ug/l = micrograms per liter
- = No NYSDEC Class GA Ambient Water Quality Standard established.
Bold values exceed the NYSDEC Class GA Ambient Water Quality Standard.

TABLE 2 (CONTINUED)
GROUNDWATER VOLATILE ORGANIC COMPOUND DATA
ARKWIN INDUSTRIES SITE
WESTBURY, NEW YORK

INTERMEDIATE WELLS
(25 to 35 feet below water table)

Well Location	Upgradient Wells										Downgradient Wells										NYSDEC Class GA Ambient Water Quality Standards
Well No.	AIMW-9B					AIMW-8B					AIMW-10B					AIMW-11B					
Sample Date	10/98	1/21/02	3/4/03	9/25/03	3/24/04	10/98	1/21/02	3/6/03	9/25/03	3/24/04	10/98	1/21/02	3/4/03	9/25/03	3/24/04	10/98	1/22/02	3/4/03	9/25/03	3/24/04	
Volatile Organic Compounds in ug/l																					
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethylene	**20**	2 J	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	5 J	5 J	2 J	5 J	4 J	5
1,1-Dichloroethane	**8 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	**9 J**	2 J	5 J	3 J	5
1,2-Dichloroethylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	1 J	1 J	5
Chloroform	ND	ND	ND	ND	ND	ND	ND	0.7 J	0.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	**180**	**7 J**	ND	ND	ND	1J	ND	ND	ND	ND	ND	1 J	2 J	ND	ND	**17**	**16**	4 J	**7**	4 J	5
Trichloroethylene	ND	ND	ND	ND	ND	5 J	2 J	4 J	1 J	2 J	ND	ND	ND	ND	ND	**6 J**	**9 J**	**12**	**11**	**6**	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Tetrachloroethylene	3 J	ND	ND	ND	ND	ND	1 J	ND	0.8 J	ND	ND	ND	ND	ND	ND	3 J	2 J	5 J	4 JB	3 J	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Methylene Chloride	ND	3 JB	ND B	ND B	ND	ND	2 JB	ND B	ND B	ND	ND	3 JB	ND B	ND B	ND	ND	2 JB	ND B	ND B	ND	5
Total Volatile Organic Compounds	211	9	ND	ND	ND	6	3	5.7	2.5	2	3	1	2	ND	ND	35	41	26	33	21	-

Notes:

Only analytes detected in one or more samples are included in this table.
ND = Not Detected.
NA = Not Available
B = Analyte was detected in associated blank and may result from contamination.
D = Diluted sample result.
J = An estimated value.
ug/l = micrograms per liter
- = No NYSDEC Class GA Ambient Water Quality Standard established.
Bold values exceed the NYSDEC Class GA Ambient Water Quality Standard.

TABLE 3
SOIL VAPOR EXTRACTION SYSTEMS EFFLUENT CHEMICAL ANALYTICAL DATA
ARKWIN INDUSTRIES SITE
WESTBURY, NEW YORK

SYSTEM A								
Compound	Flow Rate	Concentration	Daily Loading	Flow Rate	Concentration	Daily Loading	Total Mass Removed First and Second Quarter 2004	Total Mass Removed to Date
	March 24, 2004			June 21, 2004				
	SCFM	ppbv	lbs/day	SCFM	ppbv	lbs/day	lbs	lbs
1,1-dichloroethene	105	2.0	0.0001	105	ND	0.0000	0.01	9.77
trans-1,2-dichloroethene	105	ND	0.0000	105	ND	0.0000	0.00	0
1,1-dichloroethane	105	12.0	0.0004	105	26.0	0.0010	0.13	14.70
cis-1,2-dichloroethene	105	19.0	0.0007	105	50.0	0.0018	0.24	30.50
1,1,1-trichloroethane	105	96.0	0.0048	105	200.0	0.0100	1.41	112.68
trichloroethene	105	28.0	0.0014	105	56.0	0.0028	0.40	42.08
tetrachloroethene	105	70.0	0.0043	105	110.0	0.0068	1.08	141.60
	Total VOCs	227.0		Total VOCs	442.0	Totals	3.27	351.33

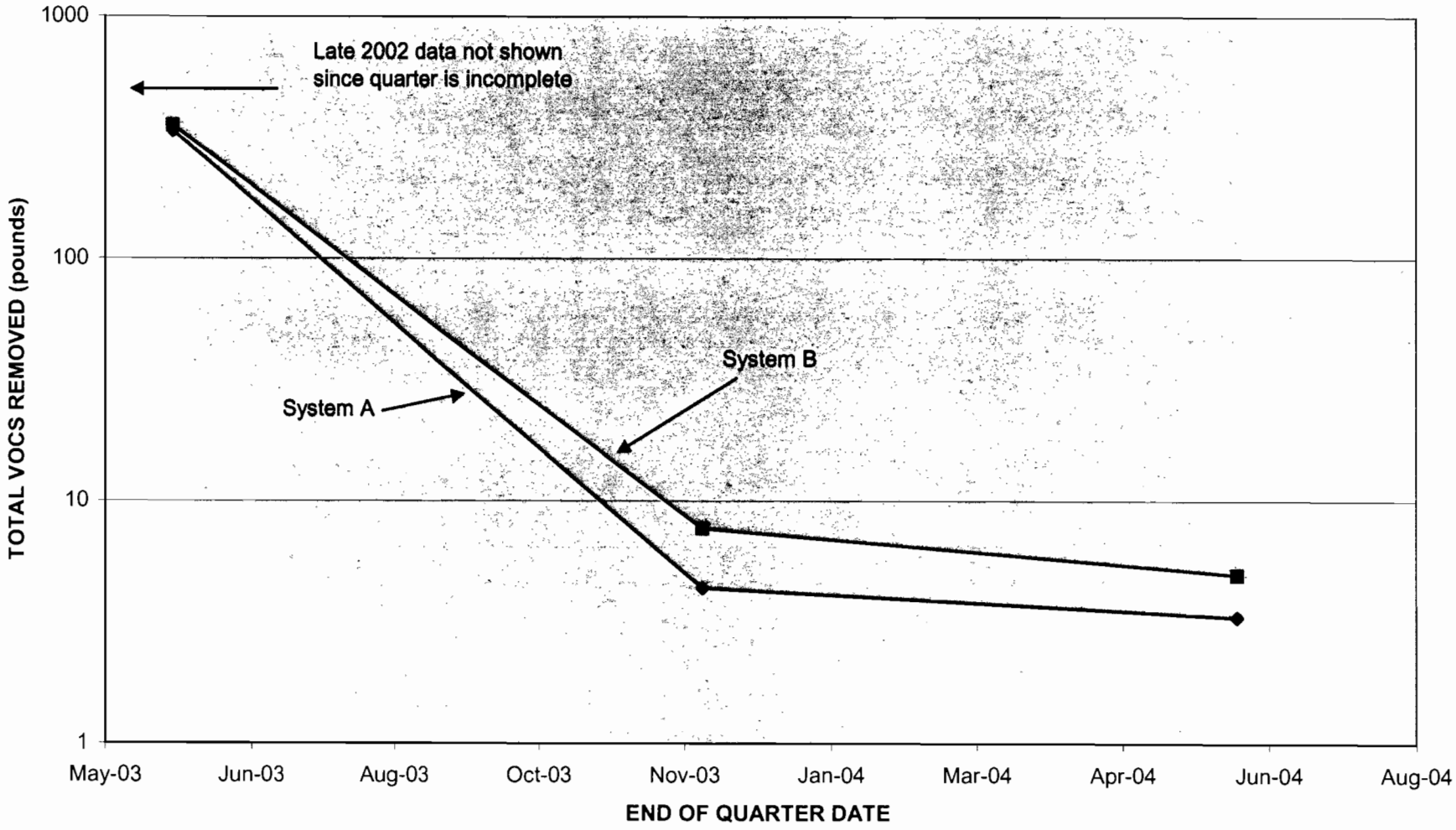
SYSTEM B								
Compound	Flow Rate	Concentration	Daily Loading	Flow Rate	Concentration	Daily Loading	Total Mass Removed First and Second Quarter 2004	Total Mass Removed to Date
	March 24, 2004			June 21, 2004				
	SCFM	ppbv	lbs/day	SCFM	ppbv	lbs/day	lbs	lbs
1,1-dichloroethene	105	12.0	0.000	105	ND	0.000	0.05	17.67
1,2-dichloroethene	105	ND	0.000	105	ND	0.000	0.00	0.50
1,1-dichloroethane	105	26.0	0.001	105	ND	0.000	0.10	23.67
cis-1,2-dichloroethene	105	230.0	0.008	105	100.0	0.004	1.09	56.02
1,1,1-trichloroethane	105	110.0	0.005	105	47.0	0.002	0.72	122.42
trichloroethene	105	390.0	0.019	105	84.0	0.004	2.28	72.73
tetrachloroethene	105	89.0	0.005526	105	12.0	0.001	0.63	84.29
	Total VOCs	857.0		Total VOCs	243.0	Totals	4.87	377.30

Notes:

SCFM = Standard Cubic Feet Per Minute
ppbv = Parts Per Billion Per Volume
lbs = Pounds
lbs/day = Pounds per day
ND = Not Detected
VOCs = Volatile Organic Compounds

FPM

FIGURE 1
MASS OF TOTAL VOCS REMOVED
ARKWIN INDUSTRIES SITE, WESTBURY, NEW YORK



ATTACHMENT A

WELL SAMPLING DATA FORMS

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKCOIN

Project No.: 652-04-05

Location: NCIA

Well No.: MW-1 Well Diameter: 4"

Date: 3/24/04 Start Time:

Weather: SUNNY Finish Time:

Sampled By: BC MS

Depth to Bottom of Well: 63.00 Feet.

Depth to Water: 52.36 Feet.

Height of Water Column: 8.64 Feet.

Water Volume in Casing: 5.62 Gallons.

Water Volume to be Purged: 16.85 Gallons.

Water Volume Actually Purged: 17 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	5.5	5.57	383	62.2	>1000
	11.0	5.54	500	61.9	>1000
	17	5.47	525	60.9	892

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: GS2-04-05

Location: NCIA

Well No.: MW-2 Well Diameter: 4"

Date: 3/24/04 Start Time:

Weather: SUNNY Finish Time:

Sampled By: B.C MS.

Depth to Bottom of Well: 62 Feet.

Depth to Water: 56.27 Feet.

Height of Water Column: 5.73 Feet.

Water Volume in Casing: 3.72 Gallons.

Water Volume to be Purged: 11.17 Gallons.

Water Volume Actually Purged: 11.5 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	4	6.03	228	57.1	919
	8	5.23	252	58.0	>1000
	11.5	5.30	253	56.3	>1000

Samplingand Analytical Methods:
UCO's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKEMA

Project No.: 6S2-04-05

Location: NCIA

Well No.: MW-3 Well Diameter: 4"

Date: 3/24/04 Start Time:

Weather: SUNNY Finish Time:

Sampled By: B.C. M.S.

Depth to Bottom of Well: 61.3 Feet.

Depth to Water: 55.95 Feet.

Height of Water Column: 5.35 Feet.

Water Volume in Casing: 3.48 Gallons.

Water Volume to be Purged: 10.43 Gallons.

Water Volume Actually Purged: 10.5 Gallons.

Purge Method: HAND Bail

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	3.5	6.41	695	64.2	118
	7.0	6.29	725	62.2	51
	10.5	6.14	736	60.3	411

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: 651-04-05

Location: NCIA

Well No.: MW-4 Well Diameter: ~~[illegible]~~ 4"

Date: 4/24/04 Start Time:

Weather: SUNNY Finish Time:

Sampled By: B.C. M.S.

Depth to Bottom of Well: 62.5 Feet.

Depth to Water: 55.49 Feet.

Height of Water Column: 7.01 Feet.

Water Volume in Casing: 4.56 Gallons.

Water Volume to be Purged: 13.67 Gallons.

Water Volume Actually Purged: 14 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	5	6.23	470	57.7	60
	10	5.71	481	58.4	173
	14	5.68	481	59.0	108

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: GS2-04-05

Location: NCIA

Well No.: MW-7 Well Diameter: 4"

Date: 3/24/04 Start Time:

Weather: Sunny Finish Time:

Sampled By: BC MS

Depth to Bottom of Well: 61.5 Feet.

Depth to Water: 55.25 Feet.

Height of Water Column: 6.25 Feet.

Water Volume in Casing: 4.06 Gallons.

Water Volume to be Purged: 12.18 Gallons.

Water Volume Actually Purged: 12.25 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	4	5.78	396	58.7	160
	8	5.26	393	59.2	174
	12.25	4.96	401	59.5	134

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: 652-04-05

Location: NCIA

Well No.: AIMW 8A Well Diameter: 2"

Date: 3/24/04 Start Time:

Weather: Sunny Finish Time:

Sampled By: BC MS.

Depth to Bottom of Well: 65.4 Feet.

Depth to Water: 54.45 Feet.

Height of Water Column: 14.95 Feet.

Water Volume in Casing: 2.34 Gallons.

Water Volume to be Purged: 7.17 Gallons.

Water Volume Actually Purged: 7.25 Gallons.

Purge Method: HB

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	2.5	5.49	284	59.5	420
	5.0	5.47	281	59.9	347
	7.25	5.50	295	59.5	275

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: ~~YOR~~ STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKwin

Project No.: 652-04-05

Location: NCIA

Well No.: A1MW-8B Well Diameter: 2"

Date: 3/24/04 Start Time:

Weather: Sunny Finish Time:

Sampled By: B.C M.S.

Depth to Bottom of Well: 90.1 Feet.

Depth to Water: 55.61 Feet.

Height of Water Column: 34.49 Feet.

Water Volume in Casing: 5.51 Gallons.

Water Volume to be Purged: 16.55 Gallons.

Water Volume Actually Purged: 17 Gallons.

Purge Method: HP

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	6	5.41	182	59.7	706
	12	5.43	209	60.0	868
	17	5.45	203	60.0	71000

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: 652-04-05

Location: UCIA

Well No.: AIMW-9A

Well Diameter: 2"

Date: 3/24/04

Start Time:

Weather: SUNNY

Finish Time:

Sampled By: BC M.S

Depth to Bottom of Well: 62.7 Feet.

Depth to Water: 55.58 Feet.

Height of Water Column: 7.12 Feet.

Water Volume in Casing: 1.14 Gallons.

Water Volume to be Purged: 3.42 Gallons.

Water Volume Actually Purged: 3.5 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	1	4.71	310	64.0	649
	2	4.71	323	62.5	426
	3.5	4.59	329	61.2	297

Samplingand VOC's Analytical Methods:

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKCOIN

Project No.: 652-04-05

Location: NCIA

Well No.: AIMW-9B Well Diameter: 2"

Date: 3/24/04 Start Time:

Weather: SCONNY Finish Time:

Sampled By: B.C M.S.

Depth to Bottom of Well: 89.61 Feet.

Depth to Water: 55.77 Feet.

Height of Water Column: 33.84 Feet.

Water Volume in Casing: 5.41 Gallons.

Water Volume to be Purged: 16.24 Gallons.

Water Volume Actually Purged: 16.5 Gallons.

Purge Method: HAND PUMP.

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	5.5	5.62	118	63.2	456
	11.0	5.33	187	61.9	198
	16.5	5.33	163	61.7	172

Samplingand Analytical Methods: VOC'S

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: GS2-04-05

Location: N CIA

Well No.: AIMW-10A Well Diameter: 2"

Date: 3/24/02 Start Time:

Weather: SUNNY Finish Time:

Sampled By: B.C. MS.

Depth to Bottom of Well: 62.2 Feet.

Depth to Water: 53.89 Feet.

Height of Water Column: 8.31 Feet.

Water Volume in Casing: 1.33 Gallons.

Duplicate MW-12

Water Volume to be Purged: 3.99 Gallons.

Water Volume Actually Purged: 4 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	1.5	5.41	803	58.0	295
	3.0	5.27	790	59.6	117
	4.0	5.05	764	60.1	126

Samplingand Analytical Methods: VOC'

Laboratory Name and Location: STL.

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: 652-04-05

Location: NCIA

Well No.: AIMW-10B Well Diameter: 2"

Date: 3/24/04 Start Time:

Weather: SUNNY Finish Time:

Sampled By: B.C. MS

Depth to Bottom of Well: 90 Feet.

Depth to Water: 53.69 Feet.

Height of Water Column: 36.31 Feet.

Water Volume in Casing: 5.81 Gallons.

Water Volume to be Purged: 17.43 Gallons.

Water Volume Actually Purged: 17.5 Gallons.

Purge Method: HAND PUMP

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	6.0	5.07	85	59.4	157
	12.0	4.82	81	60.6	74
	17.5	4.76	90	60.5	30.90

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARKWIN

Project No.: GS2-04-05

Location: NC1A

Well No.: A1MW-11A Well Diameter: 2"

Date: 3/24/04 Start Time:

Weather: SUNNY Finish Time:

Sampled By: B.C. MS

Depth to Bottom of Well: 63.00 Feet.

Depth to Water: 54.83 Feet.

Height of Water Column: 8.17 Feet.

Water Volume in Casing: 1.30 Gallons.

Water Volume to be Purged: 3.92 Gallons.

Water Volume Actually Purged: 4 Gallons.

Purge Method: HAND BAIL

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	1.5	5.19	512	56.8	128
	3.0	5.26	531	59.5	183
	4.0	5.34	543	60.0	95

Samplingand Analytical Methods: VOC'S

Laboratory Name and Location: STL.

FPM group
Engineering and Environmental Science

WELL SAMPLING DATA FORM

Client: ARkwin

Project No.: 657-04-05

Location: NCIA

Well No.: AIMW-11B Well Diameter: 2"

Date: 3/24/04 Start Time:

Weather: Sunny Finish Time:

Sampled By: BC MS.

Depth to Bottom of Well: 89.00 Feet.

Depth to Water: 54.60 Feet.

Height of Water Column: 34.40 Feet.

Water Volume in Casing: 5.50 Gallons.

Water Volume to be Purged: 16.5 Gallons.

Water Volume Actually Purged: 16.5 Gallons.

Purge Method: Hand Pump

Physical Appearance/Comments:

FIELD MEASUREMENTS

Time	Volume (gal)	pH	Conductivity (uS)	Temperature (°F)	Turbidity (FTU)
	5	5.26	177	51.9	686
	10	5.19	175	56.0	495
	16.5	5.20	170	57.1	503

Samplingand Analytical Methods: VOC's

Laboratory Name and Location: STL

ATTACHMENT B

LABORATORY CHEMICAL ANALYTICAL REPORTS

FPM

ANALYTICAL REPORT

JOB NUMBER: 206188

Prepared For:

FANNING, PHILLIPS AND MOLNAR
909 Marconi Avenue
Ronkonkoma, NY 11779

Project: ARKWIN INDUSTRIES

Attention: Ben Cancemi

Date: 03/31/2004

Johanna Dubauskas
Signature

3·31·04
Date

Name: Johanna L. Dubauskas

Title: Project Manager

E-Mail: jdubauskas@stl-inc.com

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

This Report Contains (239) Pages

SEVERN TRENT STL

STL Report : 206188
FANNING, PHILLIPS AND MOLNAR

Case Narrative

Sample Receipt – All samples were received in good condition and at the proper temperature.

Volatile Organics – Volatile organics were determined by purge and trap GC/MS using guidance provided in Method 5030B/8260B.

The spike compound percent recoveries were within the laboratory generated guidelines in the independent source quality control samples.

The spike recovery for ethylbenzene was slightly above QC limits in A1MW-11AMS.

The surrogate recoveries were above criteria in 30462-002LCS.

All samples were analyzed without any apparent problems.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Mary Widomski for
Daniel Helfrich
Technical Director

3/31/04
Date

SAMPLE INFORMATION
Date: 03/31/2004

Job Number.: 206188
Customer...: FANNING, PHILLIPS AND MOLNAR
Attn.....: Ben Cancemi

Project Number.....: 20000435
Customer Project ID....: ARKWIN INDUSTRIES
Project Description....: Arkwin Industries

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
206188-1	A1MW-11E	Groundwater	03/24/2004	09:30	03/25/2004	09:30
206188-2	A1MW-11B	Groundwater	03/24/2004	09:45	03/25/2004	09:30
206188-3	A1MW-11A	Groundwater	03/24/2004	10:00	03/25/2004	09:30
206188-4	A1MW-8B	Groundwater	03/24/2004	10:50	03/25/2004	09:30
206188-5	A1MW-8A	Groundwater	03/24/2004	11:10	03/25/2004	09:30
206188-6	MW-2	Groundwater	03/24/2004	11:40	03/25/2004	09:30
206188-7	MW-1	Groundwater	03/24/2004	11:50	03/25/2004	09:30
206188-8	A1MW-9B	Groundwater	03/24/2004	12:30	03/25/2004	09:30
206188-9	A1MW-9A	Groundwater	03/24/2004	12:50	03/25/2004	09:30
206188-10	MW-3	Groundwater	03/24/2004	13:00	03/25/2004	09:30
206188-11	MW-4	Groundwater	03/24/2004	13:35	03/25/2004	09:30
206188-12	A1MW-10B	Groundwater	03/24/2004	14:20	03/25/2004	09:30
206188-13	A1MW-10A	Groundwater	03/24/2004	14:30	03/25/2004	09:30
206188-14	MW-12	Groundwater	03/24/2004	14:40	03/25/2004	09:30
206188-15	MW-7	Groundwater	03/24/2004	15:00	03/25/2004	09:30
206188-16	TRIP BLANK	Groundwater	03/24/2004	00:00	03/25/2004	09:30

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-11E
Date Sampled.....: 03/24/2004
Time Sampled.....: 09:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-1
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1721	pam
	Methylene chloride	2	J		0.6	5	1.00000	ug/L	30465		03/27/04 1721	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1721	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1721	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1721	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1721	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1721	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 1721	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1721	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1721	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 1721	pam

* In Description = Dry Wgt.

000003

Job Number: 206188

LABORATORY TEST RESULTS

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: ARKWIN INDUSTRIES ATTN: Ben Cancemi

Customer Sample ID: A1MW-11E
Date Sampled.....: 03/24/2004
Time Sampled.....: 09:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-1
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1721	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1721	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1721	pam

* In Description = Dry Wgt.

000004

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-11B
Date Sampled.....: 03/24/2004
Time Sampled.....: 09:45
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-2
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,1-Dichloroethene	4	J		0.8	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1754	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1754	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,1-Dichloroethane	3	J		0.4	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1754	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1754	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1754	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,1,1-Trichloroethane	4	J		0.9	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Trichloroethene	6			0.8	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1754	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1754	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 1754	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1754	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Tetrachloroethene	3	J		0.4	5	1.00000	ug/L	30465		03/27/04 1754	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 1754	pam

* In Description = Dry Wgt.

0000051

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Customer Sample ID: A1MW-11B
Date Sampled.....: 03/24/2004
Time Sampled.....: 09:45
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-2
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1754	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1754	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1754	pam

00000006

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-11A
Date Sampled.....: 03/24/2004
Time Sampled.....: 10:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-3
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,1-Dichloroethene	8			0.8	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1210	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1210	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,1-Dichloroethane	5			0.4	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1210	pam
	cis-1,2-Dichloroethene	12			0.7	5	1.00000	ug/L	30512		03/29/04 1210	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1210	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,1,1-Trichloroethane	14			0.9	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Trichloroethene	22			0.8	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1210	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1210	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30512		03/29/04 1210	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1210	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Tetrachloroethene	26			0.4	5	1.00000	ug/L	30512		03/29/04 1210	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30512		03/29/04 1210	pam

* In Description = Dry Wgt.

0000007

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: ARKWIN INDUSTRIES ATTN: Ben Cancemi

Customer Sample ID: A1MW-11A
Date Sampled.....: 03/24/2004
Time Sampled.....: 10:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-3
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1210	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1210	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1210	pam

* In Description = Dry Wgt.

0000008

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Customer Sample ID: A1MW-8B
Date Sampled.....: 03/24/2004
Time Sampled.....: 10:50
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-4
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1827	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1827	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1827	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1827	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1827	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Trichloroethene	2	J		0.8	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1827	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1827	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 1827	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1827	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1827	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 1827	pam

* In Description = Dry Wgt.

000000009

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-8B
Date Sampled.....: 03/24/2004
Time Sampled.....: 10:50
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-4
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1827	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1827	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1827	pam

0000010

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-8A
Date Sampled.....: 03/24/2004
Time Sampled.....: 11:10
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-5
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,1-Dichloroethene	2	J		0.8	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1900	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1900	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,1-Dichloroethane	3	J		0.4	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1900	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1900	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1900	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,1,1-Trichloroethane	7			0.9	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Trichloroethene	4	J		0.8	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1900	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1900	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 1900	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1900	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1900	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 1900	pam

* In Description = Dry Wgt.

0000011

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-8A
Date Sampled.....: 03/24/2004
Time Sampled.....: 11:10
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-5
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1900	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1900	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1900	pam

* In Description = Dry Wgt.

0000012

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-2
Date Sampled.....: 03/24/2004
Time Sampled.....: 11:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-6
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,1-Dichloroethene	4	J		0.8	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1933	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1933	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,1-Dichloroethane	7			0.4	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1933	pam
	cis-1,2-Dichloroethene	1	J		0.7	5	1.00000	ug/L	30465		03/27/04 1933	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1933	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,1,1-Trichloroethane	10			0.9	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Trichloroethene	11			0.8	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1933	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1933	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 1933	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1933	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Tetrachloroethene	0.5	J		0.4	5	1.00000	ug/L	30465		03/27/04 1933	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 1933	pam

* In Description = Dry Wgt.

0000013

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Customer Sample ID: MW-2
Date Sampled.....: 03/24/2004
Time Sampled.....: 11:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-6
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1933	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1933	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1933	pam

00000014

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-1
Date Sampled.....: 03/24/2004
Time Sampled.....: 11:50
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-7
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1243	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1243	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1243	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1243	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1243	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Trichloroethene	1	J		0.8	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1243	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1243	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30512		03/29/04 1243	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1243	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Tetrachloroethene	2	J		0.4	5	1.00000	ug/L	30512		03/29/04 1243	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30512		03/29/04 1243	pam

* In Description = Dry Wgt.

0000015

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Customer Sample ID: MW-1
Date Sampled.....: 03/24/2004
Time Sampled.....: 11:50
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-7
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1243	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1243	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1243	pam

* In Description = Dry Wgt.

000019

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-9B
Date Sampled.....: 03/24/2004
Time Sampled.....: 12:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-8
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2039	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2039	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2039	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2039	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2039	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2039	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2039	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 2039	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2039	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2039	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 2039	pam

* In Description = Dry Wgt.

000017

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-9B
Date Sampled.....: 03/24/2004
Time Sampled.....: 12:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-8
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2039	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2039	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2039	pam

* In Description = Dry Wgt.

000018

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-9A
Date Sampled.....: 03/24/2004
Time Sampled.....: 12:50
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-9
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1316	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1316	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1316	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1316	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1316	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1316	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1316	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30512		03/29/04 1316	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1316	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1316	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30512		03/29/04 1316	pam

* In Description = Dry Wgt.

000019

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-9A
Date Sampled.....: 03/24/2004
Time Sampled.....: 12:50
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-9
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1316	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1316	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1316	pam

000020

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-3
Date Sampled.....: 03/24/2004
Time Sampled.....: 13:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-10
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1349	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1349	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1349	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1349	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1349	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1349	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1349	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30512		03/29/04 1349	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1349	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1349	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30512		03/29/04 1349	pam

* In Description = Dry Wgt.

00000021

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-3
Date Sampled.....: 03/24/2004
Time Sampled.....: 13:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-10
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1349	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1349	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1349	pam

* In Description = Dry Wgt.

000022

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-4
Date Sampled.....: 03/24/2004
Time Sampled.....: 13:35
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-11
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2217	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2217	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2217	pam
	cis-1,2-Dichloroethene	3	J		0.7	5	1.00000	ug/L	30465		03/27/04 2217	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2217	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Trichloroethene	1	J		0.8	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2217	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2217	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 2217	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2217	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Tetrachloroethene	22			0.4	5	1.00000	ug/L	30465		03/27/04 2217	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 2217	pam

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Customer Sample ID: MW-4
Date Sampled.....: 03/24/2004
Time Sampled.....: 13:35
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-11
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2217	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2217	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2217	pam

000024

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-10B
Date Sampled.....: 03/24/2004
Time Sampled.....: 14:20
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-12
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2250	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2250	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2250	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2250	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2250	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2250	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2250	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 2250	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2250	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2250	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 2250	pam

* In Description = Dry Wgt.

0000025

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-10B
Date Sampled.....: 03/24/2004
Time Sampled.....: 14:20
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-12
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2250	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2250	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2250	pam

* In Description = Dry Wgt.

00000026

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-10A
Date Sampled.....: 03/24/2004
Time Sampled.....: 14:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-13
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2323	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2323	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2323	pam
	cis-1,2-Dichloroethene	19			0.7	5	1.00000	ug/L	30465		03/27/04 2323	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2323	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Trichloroethene	1	J		0.8	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2323	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2323	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 2323	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2323	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Tetrachloroethene	3	J		0.4	5	1.00000	ug/L	30465		03/27/04 2323	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 2323	pam

* In Description = Dry Wgt.

000027

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: A1MW-10A
Date Sampled.....: 03/24/2004
Time Sampled.....: 14:30
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-13
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2323	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2323	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2323	pam

000028

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-12
Date Sampled.....: 03/24/2004
Time Sampled.....: 14:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-14
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2356	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2356	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 2356	pam
	cis-1,2-Dichloroethene	20			0.7	5	1.00000	ug/L	30465		03/27/04 2356	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 2356	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Trichloroethene	2	J		0.8	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2356	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2356	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 2356	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 2356	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Tetrachloroethene	3	J		0.4	5	1.00000	ug/L	30465		03/27/04 2356	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 2356	pam

* In Description = Dry Wgt.

000029

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-12
Date Sampled.....: 03/24/2004
Time Sampled.....: 14:40
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-14
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 2356	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 2356	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 2356	pam

000030

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-7
Date Sampled.....: 03/24/2004
Time Sampled.....: 15:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-15
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1422	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1422	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30512		03/29/04 1422	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1422	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30512		03/29/04 1422	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1422	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1422	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30512		03/29/04 1422	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1422	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30512		03/29/04 1422	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30512		03/29/04 1422	pam

* In Description = Dry Wgt.

0000031

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: MW-7
Date Sampled.....: 03/24/2004
Time Sampled.....: 15:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-15
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30512		03/29/04 1422	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30512		03/29/04 1422	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30512		03/29/04 1422	pam

00000032

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: TRIP BLANK
Date Sampled.....: 03/24/2004
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-16
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
8260B	Volatile Organics (5mL Purge)											
	Chloromethane	ND	U		1	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Vinyl chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Bromomethane	ND	U		3	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Chloroethane	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,1-Dichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Carbon disulfide	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Acetone	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1648	pam
	Methylene chloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1648	pam
	trans-1,2-Dichloroethene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,1-Dichloroethane	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Vinyl acetate	ND	U		2	5	1.00000	ug/L	30465		03/27/04 1648	pam
	cis-1,2-Dichloroethene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1648	pam
	2-Butanone (MEK)	ND	U		2	10	1.00000	ug/L	30465		03/27/04 1648	pam
	Chloroform	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,1,1-Trichloroethane	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Carbon tetrachloride	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Benzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,2-Dichloroethane	ND	U		0.6	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Trichloroethene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,2-Dichloropropane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Bromodichloromethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1648	pam
	cis-1,3-Dichloropropene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1648	pam
	4-Methyl-2-pentanone (MIBK)	ND	U		0.9	10	1.00000	ug/L	30465		03/27/04 1648	pam
	Toluene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1648	pam
	trans-1,3-Dichloropropene	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,1,2-Trichloroethane	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Tetrachloroethene	ND	U		0.4	5	1.00000	ug/L	30465		03/27/04 1648	pam
	2-Hexanone	ND	U		0.7	10	1.00000	ug/L	30465		03/27/04 1648	pam

* In Description = Dry Wgt.

000033

LABORATORY TEST RESULTS

Job Number: 206188

Date:03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR

PROJECT: ARKWIN INDUSTRIES

ATTN: Ben Cancemi

Customer Sample ID: TRIP BLANK
Date Sampled.....: 03/24/2004
Time Sampled.....: 00:00
Sample Matrix.....: Groundwater

Laboratory Sample ID: 206188-16
Date Received.....: 03/25/2004
Time Received.....: 09:30

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	MDL	RL	DILUTION	UNITS	BATCH	DT	DATE/TIME	TECH
	Dibromochloromethane	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Chlorobenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Ethylbenzene	ND	U		0.5	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Styrene	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Bromoform	ND	U		0.8	5	1.00000	ug/L	30465		03/27/04 1648	pam
	1,1,2,2-Tetrachloroethane	ND	U		0.7	5	1.00000	ug/L	30465		03/27/04 1648	pam
	Xylenes (total)	ND	U		0.9	5	1.00000	ug/L	30465		03/27/04 1648	pam

000034

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 206188 Date: 03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: ARKWIN INDUSTRIES ATTN: Ben Cancemi

Lab ID: 206188-1 Client ID: A1MW-11E Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	1721	1.00000

Lab ID: 206188-2 Client ID: A1MW-11B Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	1754	1.00000

Lab ID: 206188-3 Client ID: A1MW-11A Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30508				
8260B	Volatile Organics (5mL Purge)	1	30512	30508	03/29/2004	1210	1.00000

Lab ID: 206188-4 Client ID: A1MW-8B Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	1827	1.00000

Lab ID: 206188-5 Client ID: A1MW-8A Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	1900	1.00000

Lab ID: 206188-6 Client ID: MW-2 Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	1933	1.00000

Lab ID: 206188-7 Client ID: MW-1 Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30508				
8260B	Volatile Organics (5mL Purge)	1	30512	30508	03/29/2004	1243	1.00000

Lab ID: 206188-8 Client ID: A1MW-9B Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	2039	1.00000

Lab ID: 206188-9 Client ID: A1MW-9A Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30508				
8260B	Volatile Organics (5mL Purge)	1	30512	30508	03/29/2004	1316	1.00000

Lab ID: 206188-10 Client ID: MW-3 Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30508				
8260B	Volatile Organics (5mL Purge)	1	30512	30508	03/29/2004	1349	1.00000

Lab ID: 206188-11 Client ID: MW-4 Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004	2217	1.00000

Lab ID: 206188-12 Client ID: A1MW-10B Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
5030A	5030 5 mL Purge Prep	1	30462				

L A B O R A T O R Y C H R O N I C L E

Job Number: 206188 | Date: 03/31/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Lab ID: 206188-12 Client ID: A1MW-10B — Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004 2250	1.00000

Lab ID: 206188-13 Client ID: A1MW-10A — Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	30462			
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004 2323	1.00000

Lab ID: 206188-14 Client ID: MW-12 — Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	30462			
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004 2356	1.00000

Lab ID: 206188-15 Client ID: MW-7 — Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	30508			
8260B	Volatile Organics (5mL Purge)	1	30512	30508	03/29/2004 1422	1.00000

Lab ID: 206188-16 Client ID: TRIP BLANK — Date Recvd: 03/25/2004 Sample Date: 03/24/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
5030A	5030 5 mL Purge Prep	1	30462			
8260B	Volatile Organics (5mL Purge)	1	30465	30462	03/27/2004 1648	1.00000

REPORT COMMENTS

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis except when analyzed for landfill disposal or incineration parameters. All other solid matrix samples are reported on an "as received" basis unless noted differently.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

4) The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert. ID# 10604
5) According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

Glossary of flags, qualifiers and abbreviation

Inorganic Qualifiers (Q-Column)

U Analyte was not detected at or above the reporting limit.
< Not detected at or above the reporting limit.
J Result is less than the RL, but greater than or equal to the method detection limit.
B Result is less than the CRDL/RL, but greater than or equal to the IDL/MDL.
S Result was determined by the Method of Standard Additions.

Inorganic Flags (Flag Column)

^ ICV,CCV,ICB,CCB,ISA,ISB,CRI,CRA,MRL: Instrument related QC exceed th upper or lower control limits.
* LCS, LCD, MD: Batch QC exceeds the upper or lower control limits.
+ MSA correlation coefficient is less than 0.995.
4 MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
E SD: Serial dilution exceeds the control limits.
H MB, EB: Batch QC is greater than reporting limit or had a negative instrument reading lower than the absolute value of the reporting limit.
N MS, MSD: Spike recovery exceeds the upper or lower control limits.
W PS: Post-digestion spike was outside 85-115% control limits.

Organic Qualifiers (Q - Column)

U Analyte was not detected at or above the reporting limit.
ND Compound not detected.
J Result is an estimated value below the reporting limit or a tentatively identified compound (TIC).
Q Result was qualitatively confirmed, but not quantified.
C Pesticide identification was confirmed by GC/MS.
Y The chromatographic response resembles a typical fuel pattern.
Z The chromatographic response does not resemble a typical fuel pattern.
E Result exceeded calibration range, secondary dilution required.

Organic Flags (Flags Column)

^ MB,EB, MLE: Batch QC is greater than reporting limit.
* LCS, LCD, CCV, MS, MSD, Surrogate, RS:Batch QC exceeds the upper or lower control limits.
A Concentration exceeds the instrument calibration range or below the reporting limit.
B Compound was found in the blank and sample.
D Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
H Alternate peak selection upon analytical review
I Indicates the presence of an interfence, recovery is not calculated.
M Manually integrated compound.
P The lower of the two values is reported when the % difference between the results of two GC columns is greater than 25%.

Abbreviations

Batch	Designation given to identify a specific extraction, digestion, preparation set, or analysis set
CAP	Capillary Column
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
CF	Confirmation Analysis
CRA	Low Level Standard Check - GFAA; Mercury
CRI	Low Level Standard Check - ICP
Dil Fac	Dilution Factor
DL	Secondary dilution and analysis
DLFac	Detection Limit Factor
DSH	Distilled Standard - High Level
DSL	Distilled Standard - Low Level
DSM	Distilled Standard - Medium Level
EB	Extraction Blank
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
IDL	Instrument Detection Limit
ISA	Interference Check Sample A
ISB	Interference Check Sample B
Job No.	The first six digits of the sample ID which refers to a specific client, project and sample group
Lab ID	An 8 number unique laboratory identification
LCD	Laboratory Control Standard Duplicate
LCS	Laboratory Control Standard with reagent grade water or a matrix free from the analyte of interest
MB	Method Blank or (PB) Preparation Blank
MD	Method Duplicate
MDL	Method Detection Limit
MLE	Medium Level Extraction Blank
MRL	Method Reporting Limit Standard
MSA	Method of Standard Additions
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected
PACK	Packed Column
PREPF	Preparation factor used by the Laboratory's Information Management System (LIMS)
PS	Post Spike
PSD	Post Spike Duplicate
RA	Re-analysis
RE	Re-extraction and analysis
RL	Reporting Limit
RPD	Relative Percent Difference of duplicate (unrounded) analyses
RRF	Relative Response Factor
RS	Reference Standard
RT	Retention Time
RTW	Retention Time Window
SampleID	A 9 digit number unique for each sample, the first six digits are referred as the job number
SCB	Seeded Control Blank
SD	Serial Dilution
UCB	Unseeded Control Blank

One or a combination of these data qualifiers and abbreviations may appear in the analytical report.

STL-Connecticut
Certification Summary (as of January 2004)

The laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

State	Responsible Agency	Certification	Expiration Date	Lab Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	12/31/04	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	04/18/04	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	06/30/04	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	08/29/04	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	06/30/04	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste **NELAC**	04/01/04	10602
Rhode Island	Department of Health	Chemistry...Non- Potable Water and Wastewater	12/30/04	A43
Utah	Department of Health	RCRA	05/31/04	2032614458

000039

SEVERN TRENT **STL**

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2 | NO.

STL JOB #:

CLIENT: FPM Group

PROJECT ID: ARKWIN / 6SD 04-05

STL PROJECT MGR: JohNNA D.

RUSH [ ] YES [X] NO | DUE DATE

206188

04/08/2004

FANNING, PHILLIPS AND MOLNAR
BEN CANCEMI
ARKWIN INDUSTRIES

TESTS								GENERAL REMARKS
VOC'S MYSOEC ASP CATB, DEL.								
BOTTLE TYP								
40ml Hcl								

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N	FIELD FILTERED - CIRCLE Y OR N								SAMPLE REMARKS
	~~AIMW~~ AIMW-11E	3/24/04 530	AQ	01	Y	Y / N								
0000040	AIMW-11B	545		02	N									
	AIMW-11A	1000		03	Y									MS/MSD
	AIMW-8B	1050		04	N									
	AIMW-8A	1110		05	N									
	MW-2	1140		06	N							PASSED RAD SCREEN		
	MW-1	1150		07	N									3.4°C
	AIMW-9B	1230		08	N									
	AIMW-9A	1250		09	N									
	MW-3	130		10	N									

MATRIX CODES

A - AIR
AQ - AQUEOUS
C - COMPLEX
D - DRUM WASTE
OI - OIL
S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK

BOTTLES PREPARED BY	DATE/TIME	BOTTLES REC'D BY	DATE/TIME
SIGNATURE		SIGNATURE	
SAMPLES COLLECTED BY: Ben T. Ca	DATE/TIME: 3/24/04	RECEIVED IN LAB BY: Christina Blecher	DATE/TIME: 3/25/04
SIGNATURE: BenT.CANcemi		SIGNATURE: Ch. Blec	09:30

REMARKS ON SAMPLE RECEIPT

[ ] BOTTLES INTACT
[ ] CUSTODY SEALS
[ ] PRESERVED
[ ] SEALS INTACT
[ ] CHILLED
[ ] SEE REMARKS

STL-8122

SEVERN TRENT **STL**

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Tel: (203) 929-8140
Fax: (203) 929-8142

CHAIN OF CUSTODY RECORD

NO.

STL JOB #:

CLIENT: FPM GROUP

PROJECT ID: ARKWIN INDUSTRIES/GS1-04-05

STL PROJECT MGR: JOHANNA D.

RUSH ☐ YES ☒ NO DUE DATE

206188

04/08/2004

FANNING, PHILLIPS AND MOLNAR
BEN CANCEMI
ARKWIN INDUSTRIES

BOTTLE SET #	CLIENT SAMPLE ID	DATE/TIME SAMPLED	MATRIX	LAB ID	QC Y/N	TESTS: VOCs MYODEC ASP CATB. DEL.								GENERAL REMARKS
						BOTTLE TYPE AND (2) 40 ml HCl								
						FIELD FILTERED - CIRCLE Y or N								SAMPLE REMARKS
	MW-4	3/24/04 1335	AQ	11	N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	Y / N	
000041	AIMW-10B	1420		12								PASSED RAD SCREEN		
	AIMW-10A	1430		13										3.4 cc
	MW-12	1440		14										
	MW-7	1500		15										
	TRIP BLANK			16										

MATRIX CODES		BOTTLES PREPARED BY	DATE/TIME	BOTTLES REC'D BY	DATE/TIME	REMARKS ON SAMPLE RECEIPT
A - AIR	S - SOIL	SIGNATURE		SIGNATURE		☐ BOTTLES INTACT ☐ CUSTODY SEALS
AQ - AQUEOUS	SL - SLUDGE	SAMPLES COLLECTED BY: BEN T. CANCEMI	DATE/TIME	RECEIVED IN LAB BY: Kristina Blocker	DATE/TIME 3/25/04	☐ PRESERVED ☐ SEALS INTACT
C - COMPLEX	W - WIPE	SIGNATURE: Ben Tc		SIGNATURE: K. Block	07:30	☐ CHILLED ☐ SEE REMARKS
D - DRUM WASTE	O - OTHER					
OI - OIL	FB - FIELD BLANK					
	TB - TRIP BLANK					

STL-8122

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 206188 Location.: 57207 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 03/25/2004
Project Number.: 20000435 Project Description.: Arkwin Industries Project Manager.....: jld
Customer.....: FANNING, PHILLIPS AND MOLNAR Contact.: Ben Cancemi

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?.....	Y	
...If "yes", completed properly?.....	Y	
Custody seal on shipping container?.....	Y	
...If "yes", custody seal intact?.....	Y	
Custody seals on sample containers?.....	N	
...If "yes", custody seal intact?.....		
Samples iced?.....	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	3.4C
Samples received intact (good condition)?.....	Y	
Volatile samples acceptable? (no headspace).....	Y	
Correct containers used?.....	Y	
Adequate sample volume provided?.....	Y	
Samples preserved correctly?.....		
Samples received within holding-time?.....	Y	
Agreement between COC and sample labels?.....	Y	
Radioactivity at or below background levels?.....	Y	
A Sample Discrepancy Report (SDR) was needed?.....	N	
Comments.....		
If samples were shipped was there an air bill #?..	Y	FE 8455 1884 0649
Sample Custodian Signature/Date.....	Y	

03/25/04

206188 04/08/2004

FANNING, PHILLIPS AND MOLNAR
BEN CANCEMI
ARKWIN INDUSTRIES

STL - Connecticut
Internal Chain-of-Custody

Trip Blank: 16

QC: 03 Air: ____

FB: ____

Soil: ____ Water: ____

Date Received: 03/26/04

Sample #s: 01-16

Locations: 35K

Laboratory Sample #	Relinquished by	Accepted by	Date	Time	Reason	Relinquished by	Accepted by	Date	Time
1-16	CL	D.H.	3/27/04	15:45	voa	Used			
3, 7, 9, 10, 15	CL	D.H.	3/29/04	11:40	voa	Used			

STL Form# SMF00507.CT

000043

SEVERN TRENT STL

VOLATILE DATA

SURROGATE RECOVERIES REPORT

Job Number.: 206188 | Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

Method.....: Volatile Organics (5mL Purge) | Method Code...: 8260.5 | Prep Batch....: 30462
Batch(s).....: 30465 | Test Matrix...: Water | Equipment Code: MSO

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-30462-2			03/27/2004	140*	134*	132*	134*
MB-30462-1			03/27/2004	110	116	111	110
206188- 1		A1MW-11E	03/27/2004	115	117	111	112
206188- 2		A1MW-11B	03/27/2004	126	129	123	122
206188- 4		A1MW-8B	03/27/2004	120	122	118	117
206188- 5		A1MW-8A	03/27/2004	124	123	120	118
206188- 6		MW-2	03/27/2004	126	124	122	120
206188- 8		A1MW-9B	03/27/2004	121	120	116	114
206188- 11		MW-4	03/27/2004	124	118	117	114
206188- 12		A1MW-10B	03/27/2004	117	113	113	109
206188- 13		A1MW-10A	03/27/2004	122	120	116	114
206188- 14		MW-12	03/27/2004	119	121	114	113
206188- 16		TRIP BLANK	03/27/2004	108	104	106	103

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

Method.....: Volatile Organics (5mL Purge) | Method Code...: 8260.5 | Prep Batch....: 30508
Batch(s).....: 30512 | Test Matrix...: Water | Equipment Code: MSO

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCS-30508-2			03/29/2004	118	119	114	118
MB-30508-1			03/29/2004	114	118	112	111
206188- 3		A1MW-11A	03/29/2004	113	117	112	111
206188- 3	MS	A1MW-11A	03/29/2004	117	114	113	114
206188- 3	MSB	A1MW-11A	03/29/2004	115	115	112	112
206188- 3	MSD	A1MW-11A	03/29/2004	109	112	107	111
206188- 7		MW-1	03/29/2004	114	116	111	107
206188- 9		A1MW-9A	03/29/2004	117	121	114	112
206188- 10		MW-3	03/29/2004	118	119	113	110
206188- 15		MW-7	03/29/2004	118	120	115	110

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70 - 130
BRFLBE	4-Bromofluorobenzene (surr)	70 - 130
DBRFLM	Dibromofluoromethane (surr)	70 - 130
TOLD8	Toluene-d8 (surr)	70 - 130

QUALITY CONTROL RESULTS

Job Number.: 206188

Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSO
Batch.....: 30512

Analyst...: pam

MS	Matrix Spike	V04CWRK002	206188-3		03/29/2004	1543

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Chloromethane	ug/L	54.67		50.00	1.40	U	109		43-134	
Vinyl chloride	ug/L	55.95		50.00	0.60	U	112		51-139	
Bromomethane	ug/L	39.21		50.00	2.70	U	78		27-171	
Chloroethane	ug/L	56.21		50.00	1.70	U	112		53-167	
1,1-Dichloroethene	ug/L	61.63		50.00	7.86		108		57-137	
Carbon disulfide	ug/L	52.98		50.00	0.40	U	106		44-142	
Acetone	ug/L	47.69		50.00	2.00	U	95		18-263	
Methylene chloride	ug/L	53.95		50.00	0.60	U	108		61-129	
trans-1,2-Dichloroethene	ug/L	53.82		50.00	0.50	U	108		57-129	
1,1-Dichloroethane	ug/L	60.57		50.00	5.09		111		67-121	
cis-1,2-Dichloroethene	ug/L	67.10		50.00	12.11		110		65-120	
2-Butanone (MEK)	ug/L	52.81		50.00	1.60	U	106		30-222	
Chloroform	ug/L	56.68		50.00	0.60	U	113		70-124	
1,1,1-Trichloroethane	ug/L	69.96		50.00	14.11		112		60-128	
Carbon tetrachloride	ug/L	55.89		50.00	0.60	U	112		56-131	
Benzene	ug/L	56.56		50.00	0.50	U	113		68-126	
1,2-Dichloroethane	ug/L	56.90		50.00	0.60	U	114		68-124	
Trichloroethene	ug/L	78.31		50.00	22.24		112		58-125	
1,2-Dichloropropane	ug/L	56.26		50.00	0.70	U	113		69-122	
Bromodichloromethane	ug/L	56.06		50.00	0.70	U	112		67-118	
cis-1,3-Dichloropropene	ug/L	55.96		50.00	0.40	U	112		60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	53.67		50.00	0.90	U	107		61-140	
Toluene	ug/L	54.30		50.00	0.40	U	109		70-116	
trans-1,3-Dichloropropene	ug/L	58.53		50.00	0.80	U	117		55-126	
1,1,2-Trichloroethane	ug/L	57.78		50.00	0.80	U	116		70-119	
Tetrachloroethene	ug/L	82.21		50.00	26.32		112		62-118	
2-Hexanone	ug/L	57.13		50.00	0.70	U	114		54-179	
Dibromochloromethane	ug/L	55.17		50.00	0.50	U	110		65-114	
Chlorobenzene	ug/L	54.99		50.00	0.50	U	110		71-114	
Ethylbenzene	ug/L	54.47		50.00	0.50	U	109		71-115	
Styrene	ug/L	56.84		50.00	0.70	U	114		69-112	*
Bromoform	ug/L	55.47		50.00	0.80	U	111		63-115	
1,1,2,2-Tetrachloroethane	ug/L	51.79		50.00	0.70	U	104		66-129	
Xylenes (total)	ug/L	166.41		150.00	0.90	U	111		66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 206188

Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSO
Batch.....: 30512

Analyst...: pam

MSD	Matrix Spike Duplicate	V04CWRK002	206188-3		03/29/2004 1616

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Chloromethane	ug/L	47.22	54.67	50.00	1.40	U	94		43-134	
							15		20	
Vinyl chloride	ug/L	48.25	55.95	50.00	0.60	U	96		51-139	
							15		20	
Bromomethane	ug/L	37.71	39.21	50.00	2.70	U	75		27-171	
							4		20	
Chloroethane	ug/L	50.14	56.21	50.00	1.70	U	100		53-167	
							11		20	
1,1-Dichloroethene	ug/L	54.14	61.63	50.00	7.86		93		57-137	
							13		20	
Carbon disulfide	ug/L	47.61	52.98	50.00	0.40	U	95		44-142	
							11		20	
Acetone	ug/L	44.83	47.69	50.00	2.00	U	90		18-263	
							6		20	
Methylene chloride	ug/L	48.72	53.95	50.00	0.60	U	97		61-129	
							10		20	
trans-1,2-Dichloroethene	ug/L	49.44	53.82	50.00	0.50	U	99		57-129	
							8		20	
1,1-Dichloroethane	ug/L	55.38	60.57	50.00	5.09		101		67-121	
							9		20	
cis-1,2-Dichloroethene	ug/L	61.65	67.10	50.00	12.11		99		65-120	
							8		20	
2-Butanone (MEK)	ug/L	49.77	52.81	50.00	1.60	U	100		30-222	
							6		20	
Chloroform	ug/L	50.99	56.68	50.00	0.60	U	102		70-124	
							11		20	
1,1,1-Trichloroethane	ug/L	62.57	69.96	50.00	14.11		97		60-128	
							11		20	
Carbon tetrachloride	ug/L	50.04	55.89	50.00	0.60	U	100		56-131	
							11		20	
Benzene	ug/L	51.27	56.56	50.00	0.50	U	103		68-126	
							10		20	
1,2-Dichloroethane	ug/L	53.36	56.90	50.00	0.60	U	107		68-124	
							6		20	
Trichloroethene	ug/L	71.30	78.31	50.00	22.24		98		58-125	
							9		20	
1,2-Dichloropropane	ug/L	52.04	56.26	50.00	0.70	U	104		69-122	
							8		20	
Bromodichloromethane	ug/L	51.58	56.06	50.00	0.70	U	103		67-118	
							8		20	
cis-1,3-Dichloropropene	ug/L	52.70	55.96	50.00	0.40	U	105		60-122	
							6		20	
4-Methyl-2-pentanone (MIBK)	ug/L	51.68	53.67	50.00	0.90	U	103		61-140	
							4		20	
Toluene	ug/L	51.28	54.30	50.00	0.40	U	103		70-116	
							6		20	
trans-1,3-Dichloropropene	ug/L	52.85	58.53	50.00	0.80	U	106		55-126	
							10		20	
1,1,2-Trichloroethane	ug/L	53.01	57.78	50.00	0.80	U	106		70-119	
							9		20	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 206188

Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: ARKWIN INDUSTRIES ATTN: Ben Cancemi

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSD	Matrix Spike Duplicate	V04CWRK002	206188-3		03/29/2004	1616

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value		QC Calc.	*	Limits	F
Tetrachloroethene	ug/L	75.52	82.21	50.00	26.32		98 8		62-118 20	
2-Hexanone	ug/L	56.63	57.13	50.00	0.70	U	113 1		54-179 20	
Dibromochloromethane	ug/L	52.34	55.17	50.00	0.50	U	105 5		65-114 20	
Chlorobenzene	ug/L	51.42	54.99	50.00	0.50	U	103 7		71-114 20	
Ethylbenzene	ug/L	51.09	54.47	50.00	0.50	U	102 6		71-115 20	
Styrene	ug/L	52.98	56.84	50.00	0.70	U	106 7		69-112 20	
Bromoform	ug/L	52.41	55.47	50.00	0.80	U	105 6		63-115 20	
1,1,2,2-Tetrachloroethane	ug/L	50.97	51.79	50.00	0.70	U	102 2		66-129 20	
Xylenes (total)	ug/L	155.76	166.41	150.00	0.90	U	104 7		66-118 20	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 206188

Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MSB	Matrix Spike Blank	V04CWRK002	206188-3		03/29/2004	1510

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSO
Batch.....: 30512

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	48.71		50.00	1.40	U 97		43-134	
Vinyl chloride	ug/L	51.37		50.00	0.60	U 103		51-139	
Bromomethane	ug/L	36.66		50.00	2.70	U 73		27-171	
Chloroethane	ug/L	52.02		50.00	1.70	U 104		53-167	
1,1-Dichloroethene	ug/L	49.85		50.00	0.80	U 100		57-137	
Carbon disulfide	ug/L	49.54		50.00	0.40	U 99		44-142	
Acetone	ug/L	44.55		50.00	2.00	U 89		18-263	
Methylene chloride	ug/L	49.97		50.00	0.60	U 100		61-129	
trans-1,2-Dichloroethene	ug/L	50.14		50.00	0.50	U 100		57-129	
1,1-Dichloroethane	ug/L	52.31		50.00	0.40	U 105		67-121	
cis-1,2-Dichloroethene	ug/L	51.08		50.00	0.70	U 102		65-120	
2-Butanone (MEK)	ug/L	49.18		50.00	1.60	U 98		30-222	
Chloroform	ug/L	52.95		50.00	0.60	U 106		70-124	
1,1,1-Trichloroethane	ug/L	52.78		50.00	0.90	U 106		60-128	
Carbon tetrachloride	ug/L	52.78		50.00	0.60	U 106		56-131	
Benzene	ug/L	52.70		50.00	0.50	U 105		68-126	
1,2-Dichloroethane	ug/L	54.00		50.00	0.60	U 108		68-124	
Trichloroethene	ug/L	51.34		50.00	0.80	U 103		58-125	
1,2-Dichloropropane	ug/L	53.17		50.00	0.70	U 106		69-122	
Bromodichloromethane	ug/L	53.43		50.00	0.70	U 107		67-118	
cis-1,3-Dichloropropene	ug/L	53.09		50.00	0.40	U 106		60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	51.35		50.00	0.90	U 103		61-140	
Toluene	ug/L	52.00		50.00	0.40	U 104		70-116	
trans-1,3-Dichloropropene	ug/L	54.37		50.00	0.80	U 109		55-126	
1,1,2-Trichloroethane	ug/L	53.20		50.00	0.80	U 106		70-119	
Tetrachloroethene	ug/L	51.50		50.00	0.40	U 103		62-118	
2-Hexanone	ug/L	52.60		50.00	0.70	U 105		54-179	
Dibromochloromethane	ug/L	53.12		50.00	0.50	U 106		65-114	
Chlorobenzene	ug/L	52.09		50.00	0.50	U 104		71-114	
Ethylbenzene	ug/L	52.84		50.00	0.50	U 106		71-115	
Styrene	ug/L	53.90		50.00	0.70	U 108		69-112	
Bromoform	ug/L	52.16		50.00	0.80	U 104		63-115	
1,1,2,2-Tetrachloroethane	ug/L	50.09		50.00	0.70	U 100		66-129	
Xylenes (total)	ug/L	157.26		150.00	0.90	U 105		66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 206188

Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR | PROJECT: ARKWIN INDUSTRIES | ATTN: Ben Cancemi

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V04CWRK002	30462 -002		03/27/2004	1552

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSO
Batch.....: 30465

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	22.17		20.00		111	%	43-134	
Vinyl chloride	ug/L	22.78		20.00		114	%	51-139	
Bromomethane	ug/L	20.09		20.00		100	%	27-171	
Chloroethane	ug/L	21.20		20.00		106	%	53-167	
1,1-Dichloroethene	ug/L	23.13		20.00		116	%	57-137	
Carbon disulfide	ug/L	17.55		20.00		88	%	44-142	
Acetone	ug/L	26.10		20.00		130	%	18-263	
Methylene chloride	ug/L	21.58		20.00		108	%	61-129	
trans-1,2-Dichloroethene	ug/L	22.26		20.00		111	%	57-129	
1,1-Dichloroethane	ug/L	21.36		20.00		107	%	67-121	
cis-1,2-Dichloroethene	ug/L	21.66		20.00		108	%	65-120	
2-Butanone (MEK)	ug/L	23.21		20.00		116	%	30-222	
Chloroform	ug/L	22.31		20.00		112	%	70-124	
1,1,1-Trichloroethane	ug/L	21.50		20.00		107	%	60-128	
Carbon tetrachloride	ug/L	22.06		20.00		110	%	56-131	
Benzene	ug/L	22.36		20.00		112	%	68-126	
1,2-Dichloroethane	ug/L	22.41		20.00		112	%	68-124	
Trichloroethene	ug/L	22.19		20.00		111	%	58-125	
1,2-Dichloropropane	ug/L	21.57		20.00		108	%	69-122	
Bromodichloromethane	ug/L	21.18		20.00		106	%	67-118	
cis-1,3-Dichloropropene	ug/L	21.89		20.00		109	%	60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	20.94		20.00		105	%	61-140	
Toluene	ug/L	22.10		20.00		110	%	70-116	
trans-1,3-Dichloropropene	ug/L	21.59		20.00		108	%	55-126	
1,1,2-Trichloroethane	ug/L	21.25		20.00		106	%	70-119	
Tetrachloroethene	ug/L	22.41		20.00		112	%	62-118	
2-Hexanone	ug/L	21.13		20.00		106	%	54-179	
Dibromochloromethane	ug/L	21.01		20.00		105	%	65-114	
Chlorobenzene	ug/L	21.83		20.00		109	%	71-114	
Ethylbenzene	ug/L	22.23		20.00		111	%	71-115	
Styrene	ug/L	21.62		20.00		108	%	69-112	
Bromoform	ug/L	20.55		20.00		103	%	63-115	
1,1,2,2-Tetrachloroethane	ug/L	21.12		20.00		106	%	66-129	
Xylenes (total)	ug/L	66.22		60.00		110	%	66-118	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 206188

Report Date.: 03/30/2004

CUSTOMER: FANNING, PHILLIPS AND MOLNAR PROJECT: ARKWIN INDUSTRIES ATTN: Ben Cancemi

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
LCS	Laboratory Control Sample	V04CWRK002	30508 -002		03/29/2004	1105

Test Method.....: 8260B
Method Description.: Volatile Organics (5mL Purge)

Equipment Code....: MSO
Batch.....: 30512

Analyst...: pam

Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Chloromethane	ug/L	22.04		20.00		110	%	43-134	
Vinyl chloride	ug/L	22.76		20.00		114	%	51-139	
Bromomethane	ug/L	18.59		20.00		93	%	27-171	
Chloroethane	ug/L	21.31		20.00		107	%	53-167	
1,1-Dichloroethene	ug/L	21.79		20.00		109	%	57-137	
Carbon disulfide	ug/L	16.57		20.00		83	%	44-142	
Acetone	ug/L	27.23		20.00		136	%	18-263	
Methylene chloride	ug/L	20.64		20.00		103	%	61-129	
trans-1,2-Dichloroethene	ug/L	21.63		20.00		108	%	57-129	
1,1-Dichloroethane	ug/L	21.05		20.00		105	%	67-121	
cis-1,2-Dichloroethene	ug/L	21.07		20.00		105	%	65-120	
2-Butanone (MEK)	ug/L	24.06		20.00		120	%	30-222	
Chloroform	ug/L	21.67		20.00		108	%	70-124	
1,1,1-Trichloroethane	ug/L	20.95		20.00		105	%	60-128	
Carbon tetrachloride	ug/L	21.43		20.00		107	%	56-131	
Benzene	ug/L	21.66		20.00		108	%	68-126	
1,2-Dichloroethane	ug/L	21.94		20.00		110	%	68-124	
Trichloroethene	ug/L	20.97		20.00		105	%	58-125	
1,2-Dichloropropane	ug/L	21.51		20.00		108	%	69-122	
Bromodichloromethane	ug/L	20.69		20.00		103	%	67-118	
cis-1,3-Dichloropropene	ug/L	21.25		20.00		106	%	60-122	
4-Methyl-2-pentanone (MIBK)	ug/L	21.00		20.00		105	%	61-140	
Toluene	ug/L	22.19		20.00		111	%	70-116	
trans-1,3-Dichloropropene	ug/L	21.35		20.00		107	%	55-126	
1,1,2-Trichloroethane	ug/L	20.43		20.00		102	%	70-119	
Tetrachloroethene	ug/L	21.27		20.00		106	%	62-118	
2-Hexanone	ug/L	22.09		20.00		110	%	54-179	
Dibromochloromethane	ug/L	21.13		20.00		106	%	65-114	
Chlorobenzene	ug/L	21.39		20.00		107	%	71-114	
Ethylbenzene	ug/L	21.88		20.00		109	%	71-115	
Styrene	ug/L	21.58		20.00		108	%	69-112	
Bromoform	ug/L	20.71		20.00		104	%	63-115	
1,1,2,2-Tetrachloroethane	ug/L	21.46		20.00		107	%	66-129	
Xylenes (total)	ug/L	66.13		60.00		110	%	66-118	

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

30462-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID: O6555 Lab Sample ID: 30462-1MB

Date Analyzed: 03/27/04 Time Analyzed: 1519

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSO

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	30462-2LCS	30462-2LCS	O6556	1552
02	TRIP BLANK	206188-16	O6557	1648
03	A1MW-11E	206188-1	O6558	1721
04	A1MW-11B	206188-2	O6559	1754
05	A1MW-8B	206188-4	O6560	1827
06	A1MW-8A	206188-5	O6561	1900
07	MW-2	206188-6	O6562	1933
08	A1MW-9B	206188-8	O6564	2039
09	MW-4	206188-11	O6567	2217
10	A1MW-10B	206188-12	O6568	2250
11	A1MW-10A	206188-13	O6569	2323
12	MW-12	206188-14	O6570	2356
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COMMENTS:

FORM IV VOA

4A
VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

30508-1MB

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID: O6577 Lab Sample ID: 30508-1MB

Date Analyzed: 03/29/04 Time Analyzed: 1011

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSO

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	30508-2LCS	30508-2LCS	O6578	1105
02	A1MW-11A	206188-3	O6579	1210
03	MW-1	206188-7	O6580	1243
04	A1MW-9A	206188-9	O6581	1316
05	MW-3	206188-10	O6582	1349
06	MW-7	206188-15	O6583	1422
07	A1MW-11A	206188-3MSB	O6584	1510
08	A1MW-11AMS	206188-3MS	O6585	1543
09	A1MW-11AMSD	206188-3MSD	O6586	1616
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COMMENTS:

FORM IV VOA

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID: OB398 BFB Injection Date: 03/27/04

Instrument ID: MSO BFB Injection Time: 0720

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.2 (7.2)1
176	95.0 - 101.0% of mass 174	69.3 (95.8)1
177	5.0 - 9.0% of mass 176	5.0 (7.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD020O2	VSTD020O2	O6547	03/27/04	0910
02	VSTD005O3	VSTD005O3	O6548	03/27/04	0943
03	VSTD100O4	VSTD100O4	O6550	03/27/04	1049
04	VSTD200O5	VSTD200O5	O6551	03/27/04	1122
05	VSTD050O1	VSTD050O1	O6552	03/27/04	1155
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FORM V VOA

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID: OB399 BFB Injection Date: 03/27/04

Instrument ID: MSO BFB Injection Time: 1250

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	50.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.5 (7.5)1
176	95.0 - 101.0% of mass 174	72.0 (97.9)1
177	5.0 - 9.0% of mass 176	5.0 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD05006	VSTD05006	O6553	03/27/04	1326
02	30462-1MB	30462-1MB	O6555	03/27/04	1519
03	30462-2LCS	30462-2LCS	O6556	03/27/04	1552
04	TRIP BLANK	206188-16	O6557	03/27/04	1648
05	A1MW-11E	206188-1	O6558	03/27/04	1721
06	A1MW-11B	206188-2	O6559	03/27/04	1754
07	A1MW-8B	206188-4	O6560	03/27/04	1827
08	A1MW-8A	206188-5	O6561	03/27/04	1900
09	MW-2	206188-6	O6562	03/27/04	1933
10	A1MW-9B	206188-8	O6564	03/27/04	2039
11	MW-4	206188-11	O6567	03/27/04	2217
12	A1MW-10B	206188-12	O6568	03/27/04	2250
13	A1MW-10A	206188-13	O6569	03/27/04	2323
14	MW-12	206188-14	O6570	03/27/04	2356
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FORM V VOA

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID: OB400 BFB Injection Date: 03/29/04

Instrument ID: MSO BFB Injection Time: 0703

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	70.1
175	5.0 - 9.0% of mass 174	4.9 (7.0)1
176	95.0 - 101.0% of mass 174	68.5 (97.6)1
177	5.0 - 9.0% of mass 176	5.0 (7.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050O7	VSTD050O7	O6574	03/29/04	0739
02	30508-1MB	30508-1MB	O6577	03/29/04	1011
03	30508-2LCS	30508-2LCS	O6578	03/29/04	1105
04	A1MW-11A	206188-3	O6579	03/29/04	1210
05	MW-1	206188-7	O6580	03/29/04	1243
06	A1MW-9A	206188-9	O6581	03/29/04	1316
07	MW-3	206188-10	O6582	03/29/04	1349
08	MW-7	206188-15	O6583	03/29/04	1422
09	A1MW-11A	206188-3MSB	O6584	03/29/04	1510
10	A1MW-11AMS	206188-3MS	O6585	03/29/04	1543
11	A1MW-11AMSD	206188-3MSD	O6586	03/29/04	1616
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FORM V VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID (Standard): 06553 Date Analyzed: 03/27/04

Instrument ID: MSO Time Analyzed: 1326

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	704231	10.78	455042	15.36	229602	19.24
	UPPER LIMIT	1408462	11.28	910084	15.86	459204	19.74
	LOWER LIMIT	352116	10.28	227521	14.86	114801	18.74
	EPA SAMPLE NO.						
01	30462-1MB	632773	10.78	416538	15.36	201841	19.24
02	30462-2LCS	513374	10.78	338810	15.36	177525	19.24
03	TRIP BLANK	579516	10.78	389284	15.36	195827	19.24
04	A1MW-11E	584582	10.78	392551	15.36	189584	19.24
05	A1MW-11B	528030	10.79	348264	15.36	169606	19.25
06	A1MW-8B	559719	10.78	368662	15.36	178942	19.24
07	A1MW-8A	536130	10.79	357026	15.36	175010	19.25
08	MW-2	523259	10.77	346162	15.34	171152	19.24
09	A1MW-9B	537971	10.76	359071	15.34	170611	19.24
10	MW-4	520195	10.76	346676	15.34	171144	19.22
11	A1MW-10B	540592	10.77	356490	15.33	174475	19.23
12	A1MW-10A	524036	10.77	339625	15.33	162508	19.23
13	MW-12	524093	10.76	345955	15.32	166177	19.22
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20							
21							
22							

IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-CT Contract:

Lab Code: STL-CT Case No.: 206188 SAS No.: SDG No.: 206188

Lab File ID (Standard): O6574 Date Analyzed: 03/29/04

Instrument ID: MSO Time Analyzed: 0739

GC Column: RTX-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

		IS1 AREA #	RT #	IS2(CBZ) AREA #	RT #	IS3(DCB) AREA #	RT #
	12 HOUR STD	590400	10.75	395592	15.31	208213	19.19
	UPPER LIMIT	1180800	11.25	791184	15.81	416426	19.69
	LOWER LIMIT	295200	10.25	197796	14.81	104107	18.69
	EPA SAMPLE NO.						
01	30508-1MB	585447	10.74	385818	15.32	182864	19.22
02	30508-2LCS	578899	10.75	372502	15.33	196147	19.21
03	A1MW-11A	595933	10.75	391942	15.33	188906	19.23
04	MW-1	593679	10.76	400739	15.32	188823	19.22
05	A1MW-9A	571073	10.75	383008	15.33	183591	19.23
06	MW-3	577527	10.76	384257	15.32	182254	19.22
07	MW-7	562474	10.76	376559	15.34	179900	19.22
08	A1MW-11A	595981	10.76	399057	15.32	213564	19.20
09	A1MW-11AMS	592770	10.75	401358	15.32	217889	19.21
10	A1MW-11AMSD	647494	10.75	426384	15.33	225450	19.21
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IS1 = Fluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: John Crowe
Equipment ID.:,MSO
Analysis Date:01/06/2003(grp 1)

Date..:2004-03-30
Units.:ug/L
Batch.:13420
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Dichlorodifluoromethane	Water	1.36	ug/L	5.596840	0.195163	
Raw Data: 5.81366 5.54163 5.43523						
Chloromethane	Water	2.84	ug/L	4.694210	0.407405	
Raw Data: 5.04758 4.78646 4.24859						
Vinyl chloride	Water	3.00	ug/L	5.748220	0.430116	
Raw Data: 6.17374 5.75727 5.31365						
Bromomethane	Water	8.72	ug/L	11.107000	1.251952	
Raw Data: 12.5526 10.3922 10.3762						
Chloroethane	Water	0.92	ug/L	5.792367	0.131989	
Raw Data: 5.92592 5.78918 5.66200						
Trichlorofluoromethane	Water	0.49	ug/L	5.152033	0.070740	
Raw Data: 5.23179 5.12743 5.09688						
Ethyl ether	Water	2.52	ug/L	5.890923	0.361492	
Raw Data: 5.98175 6.19834 5.49268						
1,1 Dichloro-1-Fluoroethane	Water	0.61	ug/L	5.062423	0.087783	
Raw Data: 5.09442 5.12972 4.96313						
Freon 123	Water	3.47	ug/L	4.610453	0.497628	
Raw Data: 4.64236 5.09136 4.09764						
Trichlorotrifluoroethane	Water	1.56	ug/L	5.285797	0.223816	
Raw Data: 5.54067 5.19542 5.12130						
1,1-Dichloroethene	Water	2.23	ug/L	5.116977	0.320849	
Raw Data: 5.48430 4.97514 4.89149						
Carbon disulfide	Water	2.12	ug/L	5.793710	0.303697	
Raw Data: 6.14158 5.65814 5.58141						
Iodomethane	Water	1.38	ug/L	4.170557	0.198658	
Raw Data: 4.21623 4.34240 3.95304						
3-Chloropropene (Allyl Chloride)	Water	6.28	ug/L	5.891570	0.902327	
Raw Data: 6.84486 5.77910 5.05075						
Methylene chloride	Water	1.20	ug/L	5.628900	0.171863	
Raw Data: 5.81630 5.47865 5.59175						
Acetone	Water	4.91	ug/L	9.130550	0.705517	
Raw Data: 9.78735 8.38476 9.21954						
trans-1,2-Dichloroethene	Water	0.86	ug/L	5.615410	0.124136	
Raw Data: 5.72591 5.63923 5.48109						
Methyl-tert-butyl-ether (MTBE)	Water	1.29	ug/L	5.358917	0.184789	
Raw Data: 5.56898 5.22145 5.28632						
Acrolein	Water	5.43	ug/L	14.360367	0.779586	
Raw Data: 15.2498 14.0358 13.7955						
tert-Butyl alcohol	Water	2.59	ug/L	28.332067	0.372525	
Raw Data: 28.7110 28.3189 27.9663						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: John Crowe
Equipment ID.:,MSO
Analysis Date:01/06/2003(grp 1)

Date..:2004-03-30
Units.:ug/L
Batch.:13420
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Methyl acetate	Water	2.47	ug/L	6.208777	0.354775	
Raw Data: 6.54118 6.24993 5.83522						
Acetonitrile	Water	8.97	ug/L	57.347800	1.288101	
Raw Data: 56.5439 58.8335 56.6660						
Acrylonitrile	Water	5.65	ug/L	12.427833	0.810779	
Raw Data: 12.6220 13.1239 11.5376						
2-Chloro-1,3-butadiene (chloroprene)	Water	2.79	ug/L	5.541727	0.400362	
Raw Data: 5.96639 5.17117 5.48762						
1,1-Dichloroethane	Water	1.18	ug/L	5.779660	0.168952	
Raw Data: 5.97037 5.71990 5.64871						
Vinyl acetate	Water	2.63	ug/L	4.762683	0.378129	
Raw Data: 5.12274 4.79655 4.36876						
cis-1,2-Dichloroethene	Water	1.47	ug/L	5.692287	0.211551	
Raw Data: 5.74698 5.87112 5.45876						
2,2-Dichloropropane	Water	1.27	ug/L	5.639800	0.181836	
Raw Data: 5.83876 5.59842 5.48222						
Bromochloromethane	Water	2.68	ug/L	5.604657	0.384383	
Raw Data: 6.03773 5.47230 5.30394						
Chloroform	Water	0.66	ug/L	5.421820	0.094591	
Raw Data: 5.42222 5.51621 5.32703						
Ethyl acetate	Water	5.83	ug/L	12.911567	0.836371	
Raw Data: 13.5851 13.1742 11.9754						
Methyl Acrylate	Water	1.21	ug/L	6.510140	0.173481	
Raw Data: 6.68840 6.50015 6.34187						
Tetrahydrofuran	Water	3.65	ug/L	13.699133	0.523870	
Raw Data: 14.3040 13.3902 13.4032						
1,1,1-Trichloroethane	Water	1.30	ug/L	5.411890	0.187221	
Raw Data: 5.61828 5.25298 5.36441						
Carbon tetrachloride	Water	1.02	ug/L	5.207297	0.146897	
Raw Data: 5.30308 5.28064 5.03817						
2-Butanone (MEK)	Water	0.87	ug/L	8.860510	0.125562	
Raw Data: 9.00423 8.77209 8.80521						
1,1-Dichloropropene	Water	1.14	ug/L	5.543367	0.163448	
Raw Data: 5.67068 5.35905 5.60037						
Cyclohexane	Water	1.22	ug/L	6.017653	0.175579	
Raw Data: 6.20168 5.99932 5.85196						
Propionitrile	Water	23.20	ug/L	65.253133	3.330880	
Raw Data: 64.4954 68.8976 62.3664						
Benzene	Water	0.94	ug/L	6.095590	0.134821	
Raw Data: 6.23177 5.96217 6.09283						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: John Crowe
Equipment ID.:,MSO
Analysis Date:01/06/2003(grp 1)

Date..:2004-03-30
Units.:ug/L
Batch.:13420
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
Methacrylonitrile	Water	0.80	ug/L	6.434653	0.115119	
Raw Data: 6.49206 6.50978 6.30212						
1,2-Dichloroethane	Water	0.85	ug/L	5.216793	0.122329	
Raw Data: 5.33787 5.09325 5.21926						
Methyl cyclohexane	Water	1.46	ug/L	6.333387	0.209753	
Raw Data: 6.27593 6.15835 6.56588						
Trichloroethene	Water	1.65	ug/L	5.910897	0.236744	
Raw Data: 6.00187 5.64216 6.08866						
Dibromomethane	Water	0.61	ug/L	5.831840	0.088120	
Raw Data: 5.92663 5.75241 5.81648						
1,2-Dichloropropane	Water	1.38	ug/L	7.038237	0.197681	
Raw Data: 7.11334 7.18736 6.81401						
Bromodichloromethane	Water	1.06	ug/L	5.715800	0.152726	
Raw Data: 5.85174 5.55054 5.74512						
2-Chloroethylvinylether	Water	3.33	ug/L	6.155633	0.478455	
Raw Data: 5.96936 6.69921 5.79833						
cis-1,3-Dichloropropene	Water	1.97	ug/L	6.058287	0.282431	
Raw Data: 6.37660 5.83769 5.96057						
2-Nitropropane	Water	3.59	ug/L	10.189177	0.514925	
Raw Data: 10.6309 10.3130 9.62363						
trans-1,3-Dichloropropene	Water	1.04	ug/L	5.572727	0.148914	
Raw Data: 5.73848 5.52947 5.45023						
1,1,2-Trichloroethane	Water	0.65	ug/L	6.092357	0.093262	
Raw Data: 6.19746 6.06012 6.01949						
Toluene	Water	0.66	ug/L	5.398993	0.095183	
Raw Data: 5.42839 5.29258 5.47601						
1,1-Dichloro-2-propanone	Water	8.06	ug/L	29.765667	1.157867	
Raw Data: 30.7555 30.0491 28.4924						
4-Methyl-2-pentanone (MIBK)	Water	0.36	ug/L	6.928500	0.051208	
Raw Data: 6.91502 6.88538 6.98510						
Tetrachloroethene	Water	0.61	ug/L	4.475563	0.087482	
Raw Data: 4.57520 4.41134 4.44015						
Ethylmethacrylate	Water	0.38	ug/L	5.505657	0.053969	
Raw Data: 5.47631 5.56794 5.47272						
Dibromochloromethane	Water	0.52	ug/L	4.580537	0.075339	
Raw Data: 4.65795 4.50746 4.57620						
1,3-Dichloropropane	Water	1.48	ug/L	5.388863	0.212626	
Raw Data: 5.62346 5.20885 5.33428						
1,2-Dibromoethane (EDB)	Water	0.34	ug/L	5.005213	0.048438	
Raw Data: 5.01368 4.95310 5.04886						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: John Crowe
Equipment ID.:,MSO
Analysis Date:01/06/2003(grp 1)

Date..:2004-03-30
Units.:ug/L
Batch.:13420
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
2-Hexanone	Water	1.35	ug/L	7.501760	0.193405	
Raw Data: 7.40069 7.72476 7.37983						
1-Chlorohexane	Water	0.12	ug/L	5.310850	0.016857	
Raw Data: 5.30535 5.29743 5.32977						
Chlorobenzene	Water	0.53	ug/L	5.066300	0.076753	
Raw Data: 5.15457 5.02904 5.01529						
1,1,1,2-Tetrachloroethane	Water	0.33	ug/L	4.612643	0.047180	
Raw Data: 4.58052 4.59060 4.66681						
Ethylbenzene	Water	0.34	ug/L	5.303107	0.048160	
Raw Data: 5.32792 5.33380 5.24760						
m&p-Xylenes	Water	1.73	ug/L	10.415767	0.248048	
Raw Data: 10.6579 10.4272 10.1622						
o-Xylene	Water	0.81	ug/L	5.087300	0.116337	
Raw Data: 4.98717 5.21492 5.05981						
Styrene	Water	1.30	ug/L	4.945717	0.186001	
Raw Data: 5.16009 4.82715 4.84991						
Bromoform	Water	0.75	ug/L	3.933417	0.107653	
Raw Data: 4.05577 3.89125 3.85323						
Isopropylbenzene	Water	0.77	ug/L	5.337877	0.110912	
Raw Data: 5.40273 5.20981 5.40109						
1,1,2,2-Tetrachloroethane	Water	1.15	ug/L	5.485903	0.165730	
Raw Data: 5.31261 5.50224 5.64286						
Bromobenzene	Water	0.69	ug/L	4.716263	0.099299	
Raw Data: 4.82658 4.68818 4.63403						
1,2,3-Trichloropropane	Water	1.48	ug/L	5.091823	0.213151	
Raw Data: 4.99019 5.33677 4.94851						
trans-1,4-Dichloro-2-butene	Water	2.62	ug/L	10.204470	0.376012	
Raw Data: 10.6198 10.1064 9.88721						
n-Propylbenzene	Water	0.51	ug/L	5.654920	0.073399	
Raw Data: 5.68345 5.57154 5.70977						
2-Chlorotoluene	Water	0.20	ug/L	5.599450	0.029062	
Raw Data: 5.63262 5.57846 5.58727						
4-Chlorotoluene	Water	0.50	ug/L	5.453617	0.072476	
Raw Data: 5.53638 5.40149 5.42298						
1,3,5-Trimethylbenzene	Water	0.80	ug/L	5.209453	0.114248	
Raw Data: 5.32776 5.09975 5.20085						
tert-Butylbenzene	Water	0.21	ug/L	5.162453	0.030632	
Raw Data: 5.12745 5.17555 5.18436						
1,2,4-Trimethylbenzene	Water	0.70	ug/L	5.160087	0.100896	
Raw Data: 5.24545 5.04874 5.18607						

DETECTION LIMIT STUDY

Method.....:8260B
Analyst.....: John Crowe
Equipment ID.:,MSO
Analysis Date:01/06/2003(grp 1)

Date..:2004-03-30
Units.:ug/L
Batch.:13420
T-Val.:6.965

COMPOUND/ELEMENT/TEST	Matrix	Det. Lim.	Units	Mean	Std. Dev.	Grp
sec-Butylbenzene	Water	0.56	ug/L	5.247100	0.079704	
Raw Data: 5.26457 5.31662 5.16011						
p-Isopropyltoluene	Water	0.47	ug/L	5.005040	0.066777	
Raw Data: 5.08074 4.97989 4.95449						
1,3-Dichlorobenzene	Water	0.52	ug/L	4.713070	0.074653	
Raw Data: 4.79608 4.65144 4.69169						
1,4-Dichlorobenzene	Water	0.47	ug/L	4.772037	0.068146	
Raw Data: 4.84802 4.75176 4.71633						
1,2-Dichlorobenzene	Water	0.50	ug/L	4.708637	0.071745	
Raw Data: 4.76581 4.73197 4.62813						
Benzyl chloride	Water	1.52	ug/L	4.414907	0.218181	
Raw Data: 4.65760 4.35211 4.23501						
n-Butylbenzene	Water	0.78	ug/L	5.626210	0.112490	
Raw Data: 5.73194 5.63869 5.50800						
1,2-Dibromo-3-chloropropane	Water	3.41	ug/L	4.955080	0.489820	
Raw Data: 5.12770 5.33522 4.40232						
Nitrobenzene	Water	53.34	ug/L	83.126933	7.657890	
Raw Data: 76.6798 91.5916 81.1094						
1,2,4-Trichlorobenzene	Water	0.63	ug/L	4.008453	0.090165	
Raw Data: 4.08851 3.91078 4.02607						
Hexachlorobutadiene	Water	0.72	ug/L	3.356037	0.103983	
Raw Data: 3.26901 3.32791 3.47119						
Naphthalene	Water	1.11	ug/L	5.219443	0.160050	
Raw Data: 5.33733 5.28376 5.03724						
1,2,3-Trichlorobenzene	Water	0.51	ug/L	4.007943	0.072817	
Raw Data: 4.05150 4.04845 3.92388						
1,2-Dichloroethene (total)	Water	2.22	ug/L	11.307733	0.319104	
Raw Data: 11.4729 11.5104 10.9399						
Xylenes (total)	Water	1.70	ug/L	15.503067	0.243415	
Raw Data: 15.6451 15.6421 15.2220						

RECD APR 12 2004
CC BC

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: Ben Cancemi

Report Date: 4/2/2004
Re: Client Project ID: Arkwin/652-04-05
York Project No.: 04030730

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 NJ License No. CT401

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 4/2/2004
Client Project ID: Arkwin/652-04-05
York Project No.: 04030730

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: Ben Cancemi

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 03/25/04. The project was identifed as your project "Arkwin/652-04-05 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			System Effluent A		System Effluent B	
York Sample ID			04030730-01		04030730-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			96	1.0	110	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			12	1.0	26	1.0
1,1-Dichloroethylene			2.0	1.0	12	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			Not detected	1.0	1.0	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			Not detected	1.0	Not detected	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0

YORK

Client Sample ID			System Effluent A		System Effluent B	
York Sample ID			04030730-01		04030730-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			Not detected	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			19	1.0	230	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			Not detected	1.0	Not detected	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			Not detected	1.0	Not detected	1.0
o-Xylene			Not detected	1.0	Not detected	1.0
p- & m-Xylenes			Not detected	1.0	Not detected	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			70	1.0	89	1.0
Toluene			7.7	1.0	5.1	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			28	1.0	390	1.0
Trichlorofluoromethane			Not detected	1.0	1.1	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 04030730

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Managing Director

Date: 4/2/2004

YORK

YORK

ANALYTICAL LABORATORIES, INC.

QA/QC Summary Report

Associated Samples: AC11281 02-Apr-04

Client: FPM Group

Analysis Name: *Volatiles(TO-14 list) QA ONLY* **Batch Name:** $TO14_-12914 **QA Sample #:** AC11281

Unit of Measure: ppbv **York's Sample ID:** 04030730-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,2-Dichloroethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Benzyl Chloride		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Benzene		Not detected	Not detected	5.0	5.5	**110.0**	Not detected		
4-Ethyltoluene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
3-Chloropropene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,4-Dichlorobenzene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,3-Dichlorobenzene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,3,5-Trimethylbenze		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1,1-Trichloroethane		96	Not detected	Not detected	Not detected	**Not detected**	100		**4.1**
1,2-Dichloropropane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Chlorobenzene		Not detected	Not detected	5.0	4.5	**90.0**	Not detected		
1,2-Dichlorobenzene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2-Dibromoethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2,4-Trimethylbenze		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2,4-Trichlorobenze		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1-Dichloroethylene		2.0	Not detected	5.0	5.8	**116.0**	1.9		**5.1**
1,1-Dichloroethane		12	Not detected	Not detected	Not detected	**Not detected**	13		**8.0**
1,1,2-Trichloroethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1,2,2-tetrachloroet		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2-Dichlorotetrafluor		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Freon-113		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Trichlorofluorometha		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Trichloroethylene		28	Not detected	5.0	5.5	**110.0**	29		**3.5**
trans-1,3-Dichloropro		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Toluene		7.7	Not detected	5.0	5.3	**106.0**	11		**35.3**
Tetrachloroethylene		70	Not detected	Not detected	Not detected	**Not detected**	76		**8.2**
Styrene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		

YORK

ANALYTICAL LABORATORIES, INC.

QA/QC Summary Report

p- & m-Xylenes	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
o-Xylene	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Bromomethane	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Hexachloro-1,3-Buta	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Carbon Tetrachloride	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Ethylbenzene	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Dichlorodifluorometh	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
cis-1,3-Dichloroprop	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
cis-1,2-Dichloroethyl	19	Not detected	Not detected	Not detected	**Not detected**	20	5.1
Chloromethane	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Chloroform	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Chloroethane	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Vinyl Chloride	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Methylene Chloride	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	

YORK
ANALYTICAL LABORATORIES, INC.
ONE RESEARCH DRIVE
STAMFORD, CT 06906
(203) 325-1371 FAX (203) 357-0166

04030730

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	Samples Collected By (Signature)
FPM GROUP	BEN CANCEMI	SAME	ARKWIN/652-04-05	MARC R. SPENCER (Name (Printed))

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	SYSTEM EFFLUENT A	3/24/04 1330			X		VOC's by TO 14	1-TEDLAR BAG
	SYSTEM EFFLUENT B	1 1440			X		↓	↓

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Sample Relinquished by	Date/Time	Sample Received by	Date/Time
			3/24/04/1600		
Bottles Received in Field by	**Date/Time**	**Sample Relinquished by**	**Date/Time**	**Sample Received in LAB by**	**Date/Time**
				J. Gale	3-25-04/1000

Comments/Special Instructions

Turn Around Time
X Standard ____ RUSH(define)____

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: Ben Cancemi

Report Date: 6/28/2004
Re: Client Project ID: G52-04-05
York Project No.: 04060571

CT License No. PH-0723 New York License No. 10854 Mass. License No. M-CT106 Rhode Island License No. 93 NJ License No. CT401

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/28/2004
Client Project ID: G52-04-05
York Project No.: 04060571

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: Ben Cancemi

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/22/04. The project was identified as your project "G52-04-05 ".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables .

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			System A Effluent		System B Effluent	
York Sample ID			04060571-01		04060571-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles(TO-14 list)	EPA TO14	ppbv	---	---	---	---
1,1,1-Trichloroethane			200	1.0	47	1.0
1,1,2,2-tetrachloroethane			Not detected	1.0	Not detected	1.0
1,1,2-Trichloroethane			Not detected	1.0	Not detected	1.0
1,1-Dichloroethane			26	1.0	Not detected	1.0
1,1-Dichloroethylene			Not detected	1.0	Not detected	1.0
1,2,4-Trichlorobenzene			Not detected	1.0	Not detected	1.0
1,2,4-Trimethylbenzene			2.2	1.0	2.4	1.0
1,2-Dibromoethane			Not detected	1.0	Not detected	1.0
1,2-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,2-Dichloroethane			Not detected	1.0	Not detected	1.0
1,2-Dichloropropane			Not detected	1.0	Not detected	1.0
1,2-Dichlorotetrafluoroethane			Not detected	1.0	Not detected	1.0
1,3,5-Trimethylbenzene			1.2	1.0	1.3	1.0
1,3-Dichlorobenzene			Not detected	1.0	Not detected	1.0
1,4-Dichlorobenzene			Not detected	1.0	Not detected	1.0
3-Chloropropene			Not detected	1.0	Not detected	1.0

YORK

Client Sample ID			System A Effluent		System B Effluent	
York Sample ID			04060571-01		04060571-02	
Matrix			AIR		AIR	
Parameter	Method	Units	Results	MDL	Results	MDL
4-Ethyltoluene			Not detected	1.0	Not detected	1.0
Benzene			1.2	1.0	Not detected	1.0
Benzyl Chloride			Not detected	1.0	Not detected	1.0
Bromomethane			Not detected	1.0	Not detected	1.0
Carbon Tetrachloride			Not detected	1.0	Not detected	1.0
Chlorobenzene			Not detected	1.0	Not detected	1.0
Chloroethane			Not detected	1.0	Not detected	1.0
Chloroform			Not detected	1.0	Not detected	1.0
Chloromethane			Not detected	1.0	Not detected	1.0
cis-1,2-Dichloroethylene			50	1.0	100	1.0
cis-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Dichlorodifluoromethane			Not detected	1.0	Not detected	1.0
Ethylbenzene			2.1	1.0	2.3	1.0
Freon-113			Not detected	1.0	Not detected	1.0
Hexachloro-1,3-Butadiene			Not detected	1.0	Not detected	1.0
Methylene Chloride			Not detected	1.0	Not detected	1.0
o-Xylene			2.7	1.0	2.1	1.0
p- & m-Xylenes			5.1	1.0	3.6	1.0
Styrene			Not detected	1.0	Not detected	1.0
Tetrachloroethylene			110	1.0	12	1.0
Toluene			5.5	1.0	9.8	1.0
trans-1,3-Dichloropropylene			Not detected	1.0	Not detected	1.0
Trichloroethylene			56	1.0	84	1.0
Trichlorofluoromethane			Not detected	1.0	2.1	1.0
Vinyl Chloride			Not detected	1.0	Not detected	1.0

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 04060571

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: Robert Q. Bradley
Robert Q. Bradley
Managing Director

Date: 6/28/2004

YORK

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AC20958 28-Jun-04

Client: FPM Group

Analysis Name: *Volatiles(TO-14 list) QA ONLY* **Batch Name:** $TO14_-13423 **QA Sample #:** AC20958

Unit of Measure: ppbv **York's Sample ID:** 04060571-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,2-Dichloroethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Benzyl Chloride		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Benzene		1.2	Not detected	5.0	5.9	**118.0**	1.2		**0.0**
4-Ethyltoluene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
3-Chloropropene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,4-Dichlorobenzene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,3-Dichlorobenzene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,3,5-Trimethylbenze		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1,1-Trichloroethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2-Dichloropropane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Chlorobenzene		0	Not detected	5.0	5.6	**112.0**	0		
1,2-Dichlorobenzene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2-Dibromoethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2,4-Trimethylbenze		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2,4-Trichlorobenze		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1-Dichloroethylene		0	Not detected	5.0	6.2	**124.0**	0		
1,1-Dichloroethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1,2-Trichloroethane		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,1,2,2-tetrachloroet		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
1,2-Dichlorotetrafluor		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Freon-113		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Trichlorofluorometha		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Trichloroethylene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
trans-1,3-Dichloropro		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Toluene		5.5	Not detected	5.0	5.8	**116.0**	5.4		**1.8**
Tetrachloroethylene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		
Styrene		Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected		

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

p- & m-Xylenes	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
o-Xylene	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Bromomethane	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Hexachloro-1,3-Buta	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Carbon Tetrachloride	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Ethylbenzene	2.1	Not detected	5.0	5.2	**104.0**	2.1	**0.0**
Dichlorodifluorometh	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
cis-1,3-Dichloroprop	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
cis-1,2-Dichloroethyl	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Chloromethane	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Chloroform	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Chloroethane	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Vinyl Chloride	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	
Methylene Chloride	Not detected	Not detected	Not detected	Not detected	**Not detected**	Not detected	

YORK
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04060571

Field Chain-of-Custody Record

Company Name	Report To:	Invoice To:	Project ID/No.	
FPM	Ron Cancemi	FPM	GS2-04-05	Samples Collected By (Signature): Ron T. Cancemi Name (Printed): Ron T. Cancemi

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
	System A Effluent	6/21/04 1150			X		VOC's by TO 14	1-Tedlar bag
	System B Effluent	6/21/04 1115			X			

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Ron Ic	6/21/04 1700	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	Sample Relinquished by	Date/Time	Clarian Good 6/22/04 Sample Received in LAB by	Date/Time

Comments/Special Instructions

Turn-Around Time
✓ Standard ____ RUSH(define)____