403139

Environmental
Resources
Management

498 Wando Park Blvd.
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Mt. Pleasant, SC 29464
(843) 856-4270
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SCANNED

August 30, 2007
41284

Mr. Chris Forrest, P.G.
South Carolina Department of Health
and Environmental Control
Bureau of Water Pollution Control
2600 Bull Street
Columbia, South Carolina 29201

ERM

Subject: Remedial Option Analysis and Semi-Annual Ground Water Monitoring Report
Wix Filtration Corporation - Dillon, South Carolina
The Affinia Group, Inc.
ERM Project No.: 41284

Dear Mr. Forrest:

Environmental Resources Management (ERM) is pleased to present this data report on behalf of our client, The Affinia Group, Inc., to the South Carolina Department of Health and Environmental Control (SCDHEC) for the semi-annual sampling event conducted at Wix Filtration Corporation (Wix) of Dillon, South Carolina (the "Site"). The Site location map is shown as Figure 1. This work was performed in response to the SCDHEC March 27, 2007 correspondence requiring remediation of a suspected historical toluene release area (i.e. "source area") and interim semi-annual ground water monitoring. The work detailed herein included the following items:

- Completion of a comprehensive utility survey in the vicinity of the suspected historical release area in order to further evaluate potential methods of remediation (as discussed in ERM's April 24, 2007 ERM response to the March 27, 2007 SCDHEC correspondence);
- Low-flow ground water monitoring of five existing wells;
- Completion of a low-flow air-sparge injection test in the vicinity of the suspected historical release area (under permit from the SCDHEC, including installation and subsequent abandonment of

A18

one temporary monitoring well); and,

- Analysis of soils from the temporary monitoring well for the purposes of waste characterization.

The details of these activities are presented as follows. All work procedures and quality assurance and quality control efforts were conducted in accordance with the March 2006, *Quality Assurance Project Plan* (QAPP), as approved by the SCDHEC on March 27, 2006.

COMPREHENSIVE UTILITY SURVEY

The comprehensive utility survey was completed by Ervin Engineering Co., Inc. of Florence, South Carolina (a licensed surveyor) on April 26, 2007. The locations of the surveyed utilities have been incorporated into the attached Figures 2 and 3. Figure 2 also shows the surveyed depths of the utilities.

SUMMARY OF SEMI-ANNUAL GROUND WATER MONITORING ACTIVITIES AND RESULTS

Ground water monitoring wells MW-1 through MW-4 and MW-7 were purged and sampled by ERM personnel on August 8, 2007. Well MW-7 was sampled since it was the nearest downgradient well that was not contaminated. Each well was sampled using low-flow methods and a peristaltic pump according to approved methods described in the March 2006 QAPP for the Site. Ground water sampling logs and field sampling reports are found in Appendix B. Ground water generated during purging of the wells was contained in a labeled, closed-top 30-gallon polyethylene drum.

Ground water samples were collected and submitted to Pace Analytical Laboratories (Pace), a South Carolina certified laboratory, under Chain-of-Custody for analysis of volatile organic compounds (VOCs) in accordance with Environmental Protection Agency Method 8260B (EPA Method 8260B). The results of the August 2007 sampling event are summarized in Table 1 with toluene detections shown on Figure 3. Historical ground water results are presented in Table 2. There were detections of toluene in each of the five wells sampled. Specifically, toluene detection ranged from 59.7 micrograms per liter (μg/L) in ground water samples collected from MW-7 to 260,000 μg/L from MW-1 with a South Carolina maximum contaminant level (MCL) of 1,000 μg/L. Toluene concentrations detected in

wells MW-1 through MW-3 are comparable to previous sampling results. The toluene concentration in MW-4 increased from 41,000 μg/L to 169,000 μg/L. This is consistent with concentrations detected in wells MW-1 and MW-3, as well as the location of MW-4 relative to these wells and the suspected historical release area. No contaminants were previously detected in well MW-7. Therefore, a confirmation ground water sample was collected from MW-7 on August 23, 2007, again using low-flow purging and sampling methodology. Toluene was not detected in the confirmation ground water sample collected from MW-7.

QUALITY CONTROL

Quality control samples included a rinse blank, a field blank, and a blind duplicate. The rinse blank was collected to evaluate sample equipment cleanliness, the field blank to gauge whether ambient air might have influenced the sampling process, and a blind duplicate of MW-3 to evaluate laboratory accuracy. There were no detections of VOCs in any of the quality control samples collected except for the duplicate sample collected. Results for the duplicate ground water sample (DUP-1) and the blanks are summarized in Table 1.

Analysis of the duplicate sample from MW-3 (DUP-1) revealed trace concentrations of benzene, ethylbenzene, and other aromatic hydrocarbons in comparison to the high toluene concentrations. Benzene was the only parameter detected at a concentration (25.3 μg/L) above its MCL of 5 μg/L. ERM personnel contacted Pace for an explanation as to the disparity between the two sample results. Pace has provided a written explanation as to the disparity between results from MW-3 and DUP-1 as shown in Appendix C. Because Pace was unaware that DUP-1 was a duplicate of MW-3 with its high detection of toluene, a different dilution factor was applied to the duplicate. The associated laboratory reports are included within Appendix D.

SUMMARY OF AIR-SPARGE TEST ACTIVITIES AND RESULTS

The low-flow air-sparge injection test was proposed and approved by the SCDHEC to assist in evaluating potential methods of remediation relative to a source area at the Wix Site. ERM obtained the following permits to facilitate the low-flow air-sparge test (Appendix A):

- July 30, 2007 - Underground Injection Control Permit #920
- July 26, 2007 - temporary piezometer approval #3116

Well Installation and Test Methodology - The air-sparge test consisted of pumping air into existing monitoring well MW-1 and measuring dissolved oxygen (DO) concentrations at nearby monitoring wells MW-2 and MW-4. In addition, a temporary monitoring well (TW-1) was installed by ERM approximately 14 feet from MW-1 in order to measure DO concentrations in the shallow soils in close proximity to the injection well (MW-1).

Temporary well TW-1 was augered by hand to seven feet below ground surface. One soil sample was collected at a depth of three to four feet below ground surface for the purpose of waste characterization and to determine concentrations within the shallow soils at this location. The soil sample collected was handled, collected, and preserved in the field in accordance with EPA Method 5035. TW-1 was then constructed of two-inch diameter Schedule 40 PVC pipe with five feet of 0.010-inch slotted screen and two feet of flush-threaded riser. The well annulus was backfilled with a Type 2 sand pack material extending to a depth of 1.5 feet above the top of the well screen. A 0.5 foot thick seal of bentonite chips was placed above the sand pack. The boring log and well record for TW-1 are provided in Appendix E. Soil generated during installation of TW-1 was contained in a labeled, closed-top 30-gallon polyethylene drum.

Air-sparge test equipment was set up in MW-1. A gas powered air compressor was utilized to pump air at a pressure of ten pounds per square inch (psi) into the screened portion of MW-1. Air flow measurements were obtained during the test using a rotometer. The air flow was adjusted to five cubic feet per minute to maintain a consistent rate. A 3/8-inch poly tubing from the flow cell was inserted into MW-1, and the top of the well was plugged so that no air would escape out the top of the sparge well. An eight-hour air-sparge test was then performed and dissolved oxygen was measured in monitoring wells MW-2, MW-4 and TW-1 at intervals of every ten minutes during the first hour of the test, then at every 30 minutes thereafter. Field measurements of DO concentrations are provided in Appendix F.

Soil Sampling Results - Toluene was detected at 7,970,000 micrograms per kilogram in the sample from TW-1. This concentration is approximately four times greater than the highest concentration measured at the Site, and is consistent with the proximity of this boring to the suspected historical release area.

Air-Sparge Test Results - Dissolved oxygen concentrations measured during the air-sparge test (see Appendix F) indicate that injection of air, or other gases, into the subsurface is viable under low-flow conditions. Increases in DO concentrations were observed in ground water at temporary monitoring well TW-1 and monitoring well MW-2 during the air-sparge test. Temporary monitoring well TW-1 is located approximately 14 feet southwest of MW-1, and MW-2 is located approximately 32 feet west of MW-1. A relatively rapid increase in DO concentrations that was measured in ground water at TW-1 indicates that a hydraulic connection between the shallow (less than seven feet) soils and deeper (greater than seven feet) sediments at the Site exists in the area of MW-1. DO concentrations measured at TW-1 increased from 0.44 milligrams per liter (mg/L) to 6.61 mg/L throughout the test. Increases in DO concentrations measured in MW-2 were not evident until after approximately 80 minutes, indicating a relatively slow response. DO concentrations measured at MW-2 increased from 0.21 mg/L to 2.41 mg/L throughout the air-sparge test. No significant increase in DO concentrations were measured at monitoring well MW-4, located approximately 62 feet south of MW-1, during the air-sparge test.

CONCLUSIONS

Ground water sampling results indicate that toluene concentrations in ground water at the Site remain above MCLs within the western fenced area of the facility. Concentrations of toluene in soil and ground water at the Site indicate that source area concentrations are above MCLs and risk-based standards for industrial facilities. Historical soil and ground water sampling results indicate that the primary source areas for toluene contamination include the areas in the vicinity of MW-1, MW-3, and MW-4. Toluene detection within these areas is consistent with previous data collected.

The results of the air-sparge test indicate that dissolved oxygen can be diffused into the water table aquifer up to distances of at least 32 feet under low-flow injection rates. However, the dampened response evident in the increase of DO concentrations measured at MW-2 indicate that DO is readily consumed within the contaminant plume at these distances at an injection rate of five cubic feet per minute (cfm). Hydraulic conductivities estimated from slug tests performed in monitoring wells at the Site averaged approximately 0.65 feet per day. ERM and Wix will use this data in the ongoing evaluation of potential remedial methods for the Site. Additionally, the information obtained from the Comprehensive Utility

Survey will be utilized in assessing the feasibility of implementing the alternative potential remedial methods at the Site.

Potential in situ technologies that may be considered for remediation of source areas at the Site include air-sparging/vapor extraction, ozone injection, and hydrogen peroxide. Other remediation alternatives may include monitored natural attenuation (MNA), excavation, and/or institutional controls. Wix will continue to monitor wells MW-1 through MW-4 and MW-7 on a semi-annual basis until a remedial strategy has been selected and implemented.

Should you have any questions regarding this data report, please do not hesitate to contact us at 843-856-4270.

Sincerely,

Mark Easterbrook
Project Manager

Tony Mancini, P.G.
Senior Geologist

James D. Hiller by Mark Easterbrook

James D. Hiller, CIH
Principal-in-Charge

Attachments

cc: Mr. Richard P. Fahey, Esq. - Vorys, Sater, Seymour and Pease LLP
Mr. Keith Clark - The Affinia Group
Mr. James Hiller - ERM
Ms. Melody Christopher - ERM
Mr. Ken McCutcheon - Wix Filtration Corporation
Mr. Paul H. Caulford, Jr. - Wix Filtration Corporation

Appendix A
South Carolina Department of Health and Environmental Control Permits

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

Temporary Monitoring Well/Piezometer Approval

Approval is hereby granted to: ERM
(on behalf of): Wix Filtration Corporation
Facility: Wix Filtration Corporation – Dillon, SC
Site Identification Number: 03139
County: Dillon

This approval is for the installation of temporary/geoprobe groundwater monitoring well(s) as needed. The temporary well(s) are to be installed per the July 20, 2007 proposed construction details provided by Mr. Mark Easterbrook of ERM, Inc. The temporary well(s) are to be installed following all of the applicable requirements of R.61-71.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a South Carolina certified well driller per R.61-71.D.1.

2. A Water Well Record Form (#1903) or other form provided or approved by the Department shall be completed and submitted to the Department within 30 days after well completion or abandonment unless another schedule has been approved by the Department. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f

3. All analytical data and water levels obtained from each monitoring well shall be submitted to the Department within 30 days of receipt of laboratory results unless another schedule has been approved by the Department as required by R.61-71.H.1.d.

4. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c.

5. If any of the information provided to the Department changes, Mr. Chris Forrest at 803 898-4252 shall be notified a minimum of twenty-four hours prior to well construction as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and R.61-71 of the South Carolina Well Standards and Regulations, dated April 26, 2002.

Date of Issuance: July 26, 2007 **Approval #: 3116**

Chris Forrest, P.G., Hydrogeologist
Groundwater Quality Section
Bureau of Water
SCDHEC/BoW/CMF/07/26/07

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

July 256 2007

Mr. Mark Eaterbrook
ERM, Inc.
498 Wando Park Blvd.
Suite 100
Mt. Pleasant, SC 29464

Re: Wix Filtration Corporation – Dillon, SC **(#03139)**
Piezometer Approval Request Dated 07/19/07
Dillon County

Dear Mr. Easterbrook:

The South Carolina Department of Health and Environmental Control (SCDHEC) has reviewed and approved the referenced temporary monitoring well approval request. The analytical results from the groundwater sample(s) should be submitted to The Groundwater Quality Section within thirty days (30) of receipt from the laboratory. Please note the following:

- Well construction and sampling derived waste including but not limited to drill cuttings, drilling fluids, and development/purge water should be managed properly and in compliance with applicable requirements. If containerized, each vessel should be clearly labeled with regards to contents, source, and date of activity.

- Monitoring wells are to yield groundwater samples representative of the zone monitored per R.61-71 H.1.c of the South Carolina Well Standards and Regulations (e.g. low flow sampling techniques are recommended for samples to be analyzed for metals to reduce induced turbidity).

If metals are to be sampled, it is recommended that both total and dissolved metals should be analyzed. The dissolved metals are to be field filtered through a 0.45-micron filter and a slow purge sampling method is recommended.

If you have any questions, please contact me at (803) 898-4252.

Sincerely,

Chris Forrest

Chris Forrest, P.G., Hydrogeologist
Groundwater Quality Section
Water Monitoring, Assessment and Protection Division
forrescm@dhec.sc.gov

enc: Monitor Well Approval

cc: Region 4 Florence EQC District Office

SCDHEC/BoW/CMF/07/26/07

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

July 30, 2007

(BOW-GWMGMT-CAW)
Mr. Tony Mancini
ERM
498 Wando Park Blvd., Suite 100
Mt. Pleasant, SC 29464

Re: Underground Injection Control Permit #920
Wix Filtration Site
Dillon County

Dear Mr. Mancini:

Enclosed is a Permit to Operate one (1, MW-1) Class VA-I (Aquifer Remediation) injection wells at the Wix Filtration Site, Dillon County, SC.

Notice of Appeal Procedure

This decision of the S.C. Department of Health and Environmental Control (Department) becomes the final agency decision 15 days after notice of the decision has been mailed to the applicant or respondent, unless a written request for final review is filed with the Department by the applicant, permittee, licensee, or affected person.

An applicant, permittee, licensee, or affected person who wishes to appeal this decision must file a written request for final review with the Clerk of the Board at the following address or by facsimile at 803-898-3323.

Clerk of the Board
SC DHEC
2600 Bull Street
Columbia, SC 29201

The request for final review should include the following:

- the grounds on which the Department's decision is challenged and the specific changes sought in the decision
- a statement of any significant issues or factors the Board should consider in deciding how to handle the matter
- a copy of the Department's decision or action under review

In order to be timely, a request for final review must be received by the Clerk of the Board within 15 days after notice of the decision has been mailed to the applicant or respondent. If the 15th day occurs on a weekend or State holiday, the request is due to be received by the Clerk of the Board on the next working day. The request for final review must be received by the Clerk of the Board by 5:00 p.m. on the date it is due.

If a timely request for final review is filed with the Clerk of the Board, the Clerk will provide additional information regarding procedures.

The Board of Health and Environmental Control has 60 days from the date of receipt of a request for final review to conduct a final review conference. The conference may be conducted by the Board, its designee, or a committee of three members of the Board appointed by the chair.

If a final review conference is not conducted within 60 days, the Department decision becomes the final agency decision, and a party may request a contested case hearing before the Administrative Law Court within 30 days after the deadline for the final review conference.

The above information is provided as a courtesy; parties are responsible for complying with all applicable legal requirements.

If you have any questions, please call Christopher Wargo at (803) 898-3799.

Sincerely,

Christopher Wargo, Hydrogeologist
Groundwater Management Section
Bureau of Water

cc: Chris Forrest, BOW

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment

WATER MONITORING ASSESSMENT & PROTECTION DIVISION

Injection Well Operating Approval

for

Class II, III, and V.A. Injection Well(s)

Permit #920 Date of Issue: July 30, 2007

In accordance with the provisions of Title 48, Chapter 1, South Carolina Code of Laws, 1976, as amended, and pursuant to receiving a Permit to Operate one (1, MW-1) Class VA-I (Aquifer Remediation) injection wells, authorization is granted to ERM to operate one (1, MW-1) Class VA-I (Aquifer Remediation) injection wells located at the Wix Filtration Site, Dillon County, SC, and are subject to the attached provisos noted for the operator.

The Class VA-I injection wells are two (2) inches in diameter and approximately twenty (20) feet deep

Pursuant to Title 48, Chapter 1, South Carolina Code of Laws, 1976, as amended, this authorization may be rescinded if these injection wells should, at any time, contaminate, pollute, or otherwise adversely affect other water in the vicinity or for any other conditions contained in R61-87, Title 48, Chapter 1, South Carolina Code of Laws, 1976, as amended.

Expires: August 12, 2007

for Rob Devlin, Manager
Groundwater Management Section
Bureau of Water

Date July 30, 2007

Provisions to the Injection Well Operating Approval
for
Underground Injection Well Permit #920
Wix Filtration
Dillon County, S.C.
July 30, 2007

1) Construction of new or abandonment of existing wells must be reported to the Department within thirty (30) days of completion.

2) Only ambient air as described in the corrective action plan may be injected into the subsurface at the one (1, MW-1) Class VA-I (Aquifer Remediation) injection wells. Any changes in the system operation other than as presented in the UIC Permit Application must be reported to the Department prior to implementation.

Appendix B
ERM Ground Water Sampling
Logs and Field Sampling Reports

ERM LOW FLOW/PURGE GROUND WATER SAMPLING LOG

Project: WIX-41284 | Site: Dillon, SC | Well No.: MW-1 | Date: 8/8/07
Well Depth: 17 | Well Diameter: 2" | Sampling Device: Peristaltic | DTW: 7.12
Tubing Type: Poly | Measuring Point: TOC | Sampling Time: 1455 | Sampling Personnel: CRS/MSS
Description of Sample: clear | Volume of Water Purged: 2.0 Gal. | Rate of Pumping: 150 ml/min
100°+ outside

Range	0-55	0-9.9	0-19.99	0-14	± 1999	0-800		
TIME	Temp 3%	Cond. 3%	DO 10%	pH 0.1	ORP ±10	Turbidity 10%	Water Level	Water Clarity
1355	26.59	0.284	10.55	5.33	-94.1	0	7.12	Clear
1400	27.27	0.282	10.56	5.27	-88.3	0	7.28	clear
1405	27.40	0.282	3.36	5.23	-74.0	0	7.60	"
1410	27.80	0.283	3.11	5.21	-66	0	7.90	"
1415	27.97	0.283	2.89	5.20	-58	0	8.15	"
1420	28.11	0.283	2.56	5.18	-50.5	0	8.26	"
1425	28.31	0.282	2.24	5.15	-47.3	0	8.33	"
1430	28.29	0.281	2.70	5.12	-42.9	0	8.35	"
1435	28.46	0.281	2.86	5.11	-39.9	0	8.36	"
1440	28.65	0.281	2.99	5.10	-38.6	0	8.35	"
1445	28.63	0.281	2.98	5.09	-35.1	0	8.34	"
1450	28.64	0.281	2.79	5.08	-34.9	0	8.35	"
1455	SAMPLE TIME							

Type of sample collected: grab
Analysis sampled for: VOC's 8260B

Information: 2 in. = 617 ml/ft. 4 in. = 2470 ml/ft. $Vol_{sphere} = 4/3\pi r^3$ $Vol_{cyl.} = \pi r^2 h$

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): MW-1 DATE: 8/8/07 TIME: 1455

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: MW-1 HAZARDOUS?: X YES ____ NO ____ UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

SAMPLER TYPE & MATERIAL Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve) (circle)

SAMPLING DEPTH ____

SAMPLE DESCRIPTION ____

WELL SAMPLING DATA:

SAMPLING DATE: 8/8/07

TIME: 1455

PURGE METHOD & MATERIALS Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) 2.0 gal

PURGE DATE 8/8/07 START TIME 1355 END TIME 1450

SAMPLER TYPE & MATERIAL Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

SAMPLE DESCRIPTION Clear

TOTAL WELL DEPTH 17 ft. DEPTH TO GROUND WATER 7.12 ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	40 ml	HCL	3	--	8260B

FIELD MEASUREMENTS

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)	See Purge Log				
TEMP (C)					
SPEC. COND (um/sm)					
TIME					
DATE					

GENERAL INFORMATION

WEATHER Sunny, humid AIR TEMP. 100+

SAMPLES COLLECTED BY CRS, MSS

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE X COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) ____

N/A: Not Applicable

ERM LOW FLOW/PURGE GROUND WATER SAMPLING LOG

Project: WIX-41284 Site: Dillon, SC Well No.: MW- 2 Date: 8/8/07
Well Depth: 17.2 Well Diameter: 2" Sampling Device: Peristaltic DTW: 6.75
Tubing Type: Poly Measuring Point: TOC Sampling Time: 1220 Sampling Personnel: CRS/MSS
Description of Sample clear Volume of Water Purged: 4.5 Gal. Rate of Pumping: 100 ml/min

Range	0-55	0-9.9	0-19.99	0-14	± 1999	0-800		
TIME	Temp 3%	Cond. 3%	DO 10%	pH 0.1	ORP ±10	Turbidity 10%	Water Level	Water Clarity
1140	22.86	0.240	2.54	4.64	-67	0	7.25	clear
1145	22.40	0.239	1.99	4.64	-61	0	7.28	"
1150	22.44	0.240	2.15	4.60	-55.5	0	7.28	"
1155	22.51	0.241	2.60	4.51	-50.3	0	7.28	"
1200	23.12	0.240	2.25	4.53	-48	0	7.25	"
1205	23.14	0.239	2.14	4.56	-46	0	7.22	"
1210	23.17	0.244	2.17	4.58	-43	0	7.22	
1215	23.20	0.249	2.20	4.60	-41	0	7.23	

Type of sample collected: grab
Analysis sampled for: VOC's 8260B

Information: 2 in. = 617 ml/ft. 4 in. = 2470 ml/ft. $Vol_{sphere} = 4/3\pi r^3$ $Vol_{cyl.} = \pi r^2 h$

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): MW- 2 DATE: 8/8/07 TIME: 1220

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: MW- 2 HAZARDOUS?: X YES ____ NO ____ UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

SAMPLER TYPE & MATERIAL Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve) (circle)

SAMPLING DEPTH ____

SAMPLE DESCRIPTION ____

WELL SAMPLING DATA:

SAMPLING DATE: 8/8/07

TIME: 1220

PURGE METHOD & MATERIALS Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) 1.5 gal

PURGE DATE 8/8/07 START TIME 1140 END TIME 1215

SAMPLER TYPE & MATERIAL Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

SAMPLE DESCRIPTION Clear

TOTAL WELL DEPTH 17.2 ft. DEPTH TO GROUND WATER 6.75 ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	40 ml	HCL	3	--	8260B

FIELD MEASUREMENTS

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)	See Purge Log				
TEMP (C)					
SPEC. COND (um/sm)					
TIME					
DATE					

GENERAL INFORMATION

WEATHER Sunny, humid AIR TEMP. 100+

SAMPLES COLLECTED BY CRS, MSS

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE X COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) ____

N/A: Not Applicable

ERM LOW FLOW/PURGE GROUND WATER SAMPLING LOG

Project: WIX-41284 Site: Dillon, SC Well No.: MW-3 Date: 8/8/07
Well Depth: 16.4 Well Diameter: 2" Sampling Device: Peristaltic DTW: 5.51
Tubing Type: Poly Measuring Point: TOC Sampling Time: 1620 Sampling Personnel: CRS/MSS
Description of Sample: Clear Volume of Water Purged: 2.0 Gal. Rate of Pumping: ~~200~~ 150 ml/min

Range	0-55	0-9.9	0-19.99	0-14	± 1999	0-800		
TIME	Temp 3%	Cond. 3%	DO 10%	pH 0.1	ORP ±10	Turbidity 10%	Water Level	Water Clarity
1535	27.53	0.204	1.69	5.15	-54	60	6.03	cloudy.
1540	27.35	0.202	1.61	5.14	-61	49	6.10	
1545	27.24	0.201	1.49	5.13	-72	22	6.12	
1550	27.15	0.201	1.38	5.12	-81	10	6.13	
1555	27.01	0.201	1.32	5.11	-82	6.2	6.14	
1600	26.94	0.200	1.29	5.10	-83	3.5	6.14	clear
1605	26.89	0.201	1.00	5.11	-83	4.1	6.15	
1610	26.87	0.201	1.11	5.09	-86	3.2	6.16	
1615	26.86	0.201	1.07	5.10	-87	3.1	6.17	
1620	Sample Time							

Type of sample collected: grab
Analysis sampled for: VOC's 8260B

Information: 2 in. = 617 ml/ft. 4 in. = 2470 ml/ft. $Vol_{sphere} = 4/3\pi r^3$ $Vol_{cyl} = \pi r^2 h$

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): MW-3 DATE: 8/8/07 TIME: 1620

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: MW-3 HAZARDOUS?: X YES ____ NO ____ UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

SAMPLER TYPE & MATERIAL Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve) (circle)

SAMPLING DEPTH ____

SAMPLE DESCRIPTION ____

WELL SAMPLING DATA:

SAMPLING DATE: 8/8/07

TIME: 1620

PURGE METHOD & MATERIALS Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) 2 gal

PURGE DATE 8/8/07 START TIME 1535 END TIME 1615

SAMPLER TYPE & MATERIAL Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

SAMPLE DESCRIPTION clear

TOTAL WELL DEPTH 16.4 ft. DEPTH TO GROUND WATER 5.51 ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	40 ml	HCL	3	--	8260B

FIELD MEASUREMENTS

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)	See Purge Log				
TEMP (C)					
SPEC. COND (um/sm)					
TIME					
DATE					

GENERAL INFORMATION

WEATHER Sunny, humid AIR TEMP. 100+

SAMPLES COLLECTED BY CRS, MSS

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE X COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) ____

N/A: Not Applicable

ERM LOW FLOW/PURGE GROUND WATER SAMPLING LOG

Project: WIX-41284 Site: Dillon, SC Well No.: MW-4 Date: 8/8/07
Well Depth: 16.5 Well Diameter: 2" Sampling Device: Peristaltic DTW: 7.50
Tubing Type: Poly Measuring Point: TOC Sampling Time: 1125 Sampling Personnel: CRS/MSS
Description of Sample clear Volume of Water Purged: 1.5 Gal. Rate of Pumping: 100 ml/min
100 to

Range	0-55	0-9.9	0-19.99	0-14	± 1999	0-800		
TIME	Temp 3%	Cond. 3%	DO 10%	pH 0.1	ORP ±10	Turbidity 10%	Water Level	Water Clarity
1045	24.52	.188	~~2.37~~ 1.09	4.86	-14.4	0	5.25	Clear
1050	24.66	0.182	1.64	4.79	-41.8	0	8.18	"
1055	24.87	0.181	0.90	4.78	-55.7	0	8.38	"
1100	24.80	0.180	1.86	4.77	-63.4	0	8.43	"
1105	24.76	0.180	1.64	4.76	-68.2	0	8.50	"
1110	25.00	0.179	0.71	4.74	-72.6	0	8.60	"
1115	25.33	0.180	0.87	4.74	-74.3	0	8.61	"
1120	25.14	0.180	0.79	4.73	-73.5	0	8.62	"
1125	SAMPLE TIME							

Type of sample collected: grab
Analysis sampled for: VOC's 8260B

Information: 2 in. = 617 ml/ft. 4 in. = 2470 ml/ft. $Vol_{sphere} = 4/3\pi r^3$ $Vol_{cyl.} = \pi r^2 h$

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): MW-4 DATE: 8/8/07 TIME: 1125

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: MW-4 HAZARDOUS?: X YES ____ NO ____ UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

SAMPLER TYPE & MATERIAL Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve) (circle)

SAMPLING DEPTH ____

SAMPLE DESCRIPTION ____

WELL SAMPLING DATA:

SAMPLING DATE: 8/8/07

TIME: 1125

PURGE METHOD & MATERIALS (Peristaltic pump) : hand bailer / polyethylene (teflon) / (tubing) : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) 1.5 gal

PURGE DATE 8/8/07 START TIME 1045 END TIME 1120

SAMPLER TYPE & MATERIAL (Peristaltic pump) : hand bailer / polyethylene (teflon) / (tubing) : bailer (circle)

SAMPLE DESCRIPTION Clear.

TOTAL WELL DEPTH 16.5 ft. DEPTH TO GROUND WATER 7.60 ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	40 ml	HCL	3	--	8260B

FIELD MEASUREMENTS

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)					
TEMP (C)	See Purge Log				
SPEC. COND (um/sm)					
TIME					
DATE					

GENERAL INFORMATION

WEATHER Sunny, humid AIR TEMP. 100+

SAMPLES COLLECTED BY CRS, MSS

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE X COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) ____

N/A: Not Applicable

ERM LOW FLOW/PURGE GROUND WATER SAMPLING LOG

Project: WIX-41284 Site: Dillon, SC Well No.: MW-7 Date: 8/8/07
Well Depth: 18.1 Well Diameter: 2" Sampling Device: Peristaltic DTW: 6.69
Tubing Type: Poly Measuring Point: TOC Sampling Time: 1725 Sampling Personnel: CRS/MSS
Description of Sample Clear Volume of Water Purged: 6.5 Gal. Rate of Pumping: 100 ml/min

Range	0-55	0-9.9	0-19.99	0-14	± 1999	0-800		
TIME	Temp 3%	Cond. 3%	DO 10%	pH 0.1	ORP ±10	Turbidity 10%	Water Level	Water Clarity
1650	26.94	0.044	0.50	4.64	208.8	31	6.99	Clear
1655	25.58	0.044	0.41	4.55	231	75	7.00	"
1700	25.54	0.044	0.38	4.53	244	110	7.01	"
1705	25.61	0.044	0.37	4.51	246	96	7.01	"
1710	25.63	0.044	0.38	4.48	257	30	7.02	"
1715	25.67	0.044	0.39	4.46	253	31	7.03	"
1720	25.69	0.043	0.40	4.47	265	30	7.03	"
1725	SAMPLE	TIME						

Type of sample collected: grab
Analysis sampled for: VOC's 8260B

Information: 2 in. = 617 ml/ft. 4 in. = 2470 ml/ft. $Vol_{sphere} = 4/3\pi r^3$ $Vol_{cyl.} = \pi r^2 h$

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): MW- 7 DATE: 8/8/07 TIME: 1725

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: MW- 7 HAZARDOUS?: ____ YES ____ NO X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

SAMPLER TYPE & MATERIAL Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve) (circle)

SAMPLING DEPTH ____

SAMPLE DESCRIPTION ____

WELL SAMPLING DATA:

SAMPLING DATE: 8/8/07

TIME: 1725

PURGE METHOD & MATERIALS Peristaltic pump : hand bailer / polyethylene / teflon / tubing : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) 1.5 gal

PURGE DATE 8/8/07 START TIME 1650 END TIME 1720

SAMPLER TYPE & MATERIAL Peristaltic pump : hand bailer / polyethylene / teflon / tubing : bailer (circle)

SAMPLE DESCRIPTION Clear

TOTAL WELL DEPTH 18.1 ft. DEPTH TO GROUND WATER 6.69 ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	40 ml	HCL	3	--	8260B

FIELD MEASUREMENTS

See Purge Log

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)					
TEMP (C)					
SPEC. COND (um/sm)					
TIME					
DATE					

GENERAL INFORMATION

WEATHER Sunny, humid AIR TEMP. 100+

SAMPLES COLLECTED BY CRS, MSS

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE X COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) ____

N/A: Not Applicable

ERM LOW FLOW/PURGE GROUND WATER SAMPLING LOG

Project: 41284 | Site: Wix – Dillon, SC | Well No.: MW-7 | Date: 8/23/07
Well Depth: 18.08' | Well Diameter: 2-inch | Sampling Device: Peristaltic | DTW: 6.67
Tubing Type: Teflon-lined poly | Measuring Point: TOC | Sampling Time: 1655 | Sampling Personnel: MCE
Description of Sample: clear | Volume of Water Purged: 4800 ml | Rate of Pumping: 120 ml/min

Range	0-55	0-9.9 mS/cm	0-19.99 mg/L	0-14	± 1999	0-800 NTU		
TIME	Temp 3%	Cond. 3%	DO 10%	pH 0.1	ORP ±10	Turbidity 10%	Water Level	Water Clarity
1603	22.16	0.063	1.53	5.38	107.2	7.0	7.55	clear
1608	22.08	0.063	1.20	5.32	112.4	7.1	7.52	"
1613	22.14	0.063	1.13	5.31	137.4	4.9	7.52	"
1618	22.31	0.065	1.01	5.35	112.1	5.5	7.52	"
1623	22.38	0.065	0.91	5.36	137.6	6.4	7.53	"
1628	22.34	0.066	0.65	5.33	151.3	5.4	7.53	"
1633	22.33	0.066	0.55	5.34	149.2	6.1	7.51	"
1638	22.34	0.066	0.50	5.35	150.8	7.2	7.50	"
1643	22.20	0.064	0.46	5.33	147.5	4.9	7.52	"
1655	sample	time						
1650	FB-2							

Type of sample collected: ground water by YSI 6920
Analysis sampled for: 8260B

Information: 2 in. = 617 ml/ft. 4 in. = 2470 ml/ft. $Vol_{sphere} = 4/3\pi r^3$ $Vol_{cyl.} = \pi r^2 h$

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): MW-7 DATE: 8/23/07 TIME: 1655

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: MW-7 HAZARDOUS?: ____ YES ____ NO ____X UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

SAMPLER TYPE & MATERIAL Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve) (circle)

SAMPLING DEPTH ____

SAMPLE DESCRIPTION ____

WELL SAMPLING DATA:

SAMPLING DATE: 8/23/07

TIME: 1655

FB-2: 1650

PURGE METHOD & MATERIALS (Peristaltic pump) : hand bailer / polyethylene : (teflon) / (tubing) : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) 4,800 ml

PURGE DATE 8/23/07 START TIME 1603 END TIME 1643

SAMPLER TYPE & MATERIAL (Peristaltic pump) : hand bailer / polyethylene : (teflon) / (tubing) : bailer (circle)

SAMPLE DESCRIPTION clear

TOTAL WELL DEPTH 18.08 ft. DEPTH TO GROUND WATER 6.67 ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	40 ml	HCL	3	--	8260B

FIELD MEASUREMENTS

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)					
TEMP (C)					
SPEC. COND (um/sm)	See Purge Log				
TIME					
DATE					

GENERAL INFORMATION

WEATHER cloudy, windy AIR TEMP. 90°

SAMPLES COLLECTED BY MCF

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE ___X___ COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) none

N/A: Not Applicable

FIELD SAMPLING REPORT	ERM	498 Wando Park Blvd Suite 100 Mt. Pleasant, SC 29464 (843) 856-4270	JOB NUMBER: 41284 JOB NAME: Affinia-Wix SAMPLING POINT (LOCATION): TW-1 DATE: 8/8/07 TIME: 1500

SAMPLING INFORMATION

SAMPLE I.D. NUMBER: TW-1 HAZARDOUS?: X YES ____ NO ____ UNKNOWN

SOIL SAMPLING DATA:

SAMPLING DATE: 8/8/07

TIME: 1500

SAMPLER TYPE & MATERIAL ~~Stainless Steel Hand Auger : Geoprobe (polyethylene sleeve)~~ encore sampler (circle)

SAMPLING DEPTH 3-4 ft

SAMPLE DESCRIPTION medium stiff, brown gray, silty CLAY

WELL SAMPLING DATA:

SAMPLING DATE: ____

TIME: ____

PURGE METHOD & MATERIALS Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

VOLUME OF WATER IN WELL & SAND PACK (gallons) ____

VOLUME OF WATER PURGED (gallons) ____

PURGE DATE 8/8/07 START TIME ____ END TIME ____

SAMPLER TYPE & MATERIAL Peristaltic pump : hand bailer / polyethylene : teflon / tubing : bailer (circle)

SAMPLE DESCRIPTION ____

TOTAL WELL DEPTH ____ ft. DEPTH TO GROUND WATER ____ ft.

CONTAINER TYPE	CONTAINER VOLUME	PRESERVATIVE/PREPARATION	NUMBER	FILTERING	ANALYSIS
clear glass	5 mg	bisulfate solution	2	--	8260B
clear glass	5 mg	clear	1		8260B
amber glass	5 mg	methanol	1		8260B

FIELD MEASUREMENTS

PARAMETER	EQUIPMENT ID	1st READING	2nd READING	3rd READING	4th READING
pH (STO UNITS)					
TEMP (C)					
SPEC. COND (um/sm)					
TIME					
DATE					

GENERAL INFORMATION

WEATHER Sunny, humid AIR TEMP. 100+

SAMPLES COLLECTED BY CRS, MSS

SPECIAL HANDLING SAMPLES PACKED IN COOLER ON ICE

MODE OF SHIPMENT ____ CAR/TRUCK ____ PLANE X COMMER VEH. ____ OTHER

COMMENTS (CALIBRATIONS, FIELD MODIFICATIONS, INSTRUMENT PROBLEMS) ____

N/A: Not Applicable

Appendix C
Pace Analytical Services, Inc.
Duplicate Results Explanation

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078

Phone: 704.875.9092
Fax: 704.875.9091

August 28, 2007

Mr. Mark Easterbrooke
ERM
498 Wando Park Blvd.
Suite 100
Mount Pleasant, SC 29464

RE: Client Project: WIX 41284
Pace Project : 921278

I am writing in regard to the results for Volatiles analysis by EPA Method 8260.

Sample 921278003, MW3 was run at a dilution based on historical data indicating high levels of toluene previously found in this well. Using historical data allows the laboratory to provide timely results and protect instrumentation from high levels of contamination. Sample 921278009, DUP1 was submitted as a blind duplicate to the laboratory. This duplicate of MW3 was not originally run at a dilution because there was no indication of the high levels of toluene present. The sample then had to be rerun at a dilution to report toluene within the linear range of the instrument. The laboratory reported the results of both analytical runs for sample 921278009.

If you have any further questions or need additional information, please contact Kevin Godwin or myself at 704-875-9092

Sincerely,

Cheryl Johnson

Cheryl Johnson
Quality Manager

Appendix D
Laboratory Analytical Reports and Chain of Custody Records

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 21, 2007

Mr. Mark Easterbrook
ERM
498 Wando Park Blvd
Suite 100
Mount Pleasant, SC 29464

RE: Project: WIX 41284
Pace Project No.: 921278

Dear Mr. Easterbrook:
Enclosed are the analytical results for sample(s) received by the laboratory on August 10, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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Asheville, NC 28804
(828)254-7176

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9800 Kincey Ave. Suite 100
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(704)875-9092

CERTIFICATIONS

Project: WIX 41284
Pace Project No.: 921278

Charlotte Certification IDs
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706
North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213

Asheville Certification IDs
Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 990300001
South Carolina Bioassay Certification Number: 990300002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs
North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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(704)875-9092

SAMPLE SUMMARY

Project: WIX 41284
Pace Project No.: 921278

Lab ID	Sample ID	Matrix	Date Collected	Date Received
921278001	MW1	Water	08/08/07 14:55	08/10/07 09:30
921278002	MW2	Water	08/08/07 12:20	08/10/07 09:30
921278003	MW3	Water	08/08/07 16:20	08/10/07 09:30
921278004	MW4	Water	08/08/07 11:25	08/10/07 09:30
921278005	MW7	Water	08/08/07 17:25	08/10/07 09:30
921278007	FB1	Water	08/08/07 16:30	08/10/07 09:30
921278008	EB1	Water	08/08/07 16:35	08/10/07 09:30
921278009	DUP1	Water	08/08/07 00:00	08/10/07 09:30
921278010	TW1	Solid	08/08/07 15:00	08/10/07 09:30

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: WIX 41284
Pace Project No.: 921278

Lab ID	Sample ID	Method	Analytes Reported
921278001	MW1	EPA 8260	66
921278002	MW2	EPA 8260	66
921278003	MW3	EPA 8260	66
921278004	MW4	EPA 8260	66
921278005	MW7	EPA 8260	66
921278007	FB1	EPA 8260	66
921278008	EB1	EPA 8260	66
921278009	DUP1	EPA 8260	66
921278010	TW1	ASTM D2974-87	1
		EPA 8260	71

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(704)875-9092

ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW1 **Lab ID: 921278001** Collected: 08/08/07 14:55 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	2000	2000		08/18/07 06:16	71-43-2	
Bromobenzene	ND	ug/L	2000	2000		08/18/07 06:16	108-86-1	
Bromochloromethane	ND	ug/L	2000	2000		08/18/07 06:16	74-97-5	
Bromodichloromethane	ND	ug/L	2000	2000		08/18/07 06:16	75-27-4	
Bromoform	ND	ug/L	2000	2000		08/18/07 06:16	75-25-2	
Bromomethane	ND	ug/L	10000	2000		08/18/07 06:16	74-83-9	
n-Butylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	104-51-8	
sec-Butylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	135-98-8	
tert-Butylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	98-06-6	
Carbon tetrachloride	ND	ug/L	2000	2000		08/18/07 06:16	56-23-5	
Chlorobenzene	ND	ug/L	2000	2000		08/18/07 06:16	108-90-7	
Chloroethane	ND	ug/L	2000	2000		08/18/07 06:16	75-00-3	
Chloroform	ND	ug/L	2000	2000		08/18/07 06:16	67-66-3	
Chloromethane	ND	ug/L	2000	2000		08/18/07 06:16	74-87-3	
2-Chlorotoluene	ND	ug/L	2000	2000		08/18/07 06:16	95-49-8	
4-Chlorotoluene	ND	ug/L	2000	2000		08/18/07 06:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2000	2000		08/18/07 06:16	96-12-8	
Dibromochloromethane	ND	ug/L	2000	2000		08/18/07 06:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2000	2000		08/18/07 06:16	106-93-4	
Dibromomethane	ND	ug/L	2000	2000		08/18/07 06:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2000	2000		08/18/07 06:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2000	2000		08/18/07 06:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2000	2000		08/18/07 06:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2000	2000		08/18/07 06:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	2000	2000		08/18/07 06:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	2000	2000		08/18/07 06:16	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2000	2000		08/18/07 06:16	540-59-0	
1,1-Dichloroethene	ND	ug/L	2000	2000		08/18/07 06:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2000	2000		08/18/07 06:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2000	2000		08/18/07 06:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	2000	2000		08/18/07 06:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	2000	2000		08/18/07 06:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	2000	2000		08/18/07 06:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	2000	2000		08/18/07 06:16	563-58-6	
Diisopropyl ether	ND	ug/L	2000	2000		08/18/07 06:16	108-20-3	
Ethylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2000	2000		08/18/07 06:16	87-68-3	
2-Hexanone	ND	ug/L	10000	2000		08/18/07 06:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2000	2000		08/18/07 06:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	2000	2000		08/18/07 06:16	99-87-6	
Methylene Chloride	ND	ug/L	4000	2000		08/18/07 06:16	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	2000	2000		08/18/07 06:16	1634-04-4	
Naphthalene	ND	ug/L	2000	2000		08/18/07 06:16	91-20-3	
n-Propylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	103-65-1	
Styrene	ND	ug/L	2000	2000		08/18/07 06:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	2000		08/18/07 06:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	2000		08/18/07 06:16	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW1 **Lab ID: 921278001** Collected: 08/08/07 14:55 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2000	2000		08/18/07 06:16	127-18-4	
Toluene	**260000**	ug/L	2000	2000		08/18/07 06:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2000	2000		08/18/07 06:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2000	2000		08/18/07 06:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2000	2000		08/18/07 06:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2000	2000		08/18/07 06:16	79-00-5	
Trichloroethene	ND	ug/L	2000	2000		08/18/07 06:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	2000	2000		08/18/07 06:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2000	2000		08/18/07 06:16	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2000	2000		08/18/07 06:16	108-67-8	
Vinyl chloride	ND	ug/L	2000	2000		08/18/07 06:16	75-01-4	
Xylene (Total)	ND	ug/L	4000	2000		08/18/07 06:16	1330-20-7	
m&p-Xylene	ND	ug/L	4000	2000		08/18/07 06:16	1330-20-7	
o-Xylene	ND	ug/L	2000	2000		08/18/07 06:16	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	2000		08/18/07 06:16	460-00-4	
Dibromofluoromethane (S)	102	%	85-115	2000		08/18/07 06:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120	2000		08/18/07 06:16	17060-07-0	
Toluene-d8 (S)	100	%	91-105	2000		08/18/07 06:16	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW2 **Lab ID: 921278002** Collected: 08/08/07 12:20 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	100	100		08/18/07 06:40	71-43-2	
Bromobenzene	ND	ug/L	100	100		08/18/07 06:40	108-86-1	
Bromochloromethane	ND	ug/L	100	100		08/18/07 06:40	74-97-5	
Bromodichloromethane	ND	ug/L	100	100		08/18/07 06:40	75-27-4	
Bromoform	ND	ug/L	100	100		08/18/07 06:40	75-25-2	
Bromomethane	ND	ug/L	500	100		08/18/07 06:40	74-83-9	
n-Butylbenzene	ND	ug/L	100	100		08/18/07 06:40	104-51-8	
sec-Butylbenzene	ND	ug/L	100	100		08/18/07 06:40	135-98-8	
tert-Butylbenzene	ND	ug/L	100	100		08/18/07 06:40	98-06-6	
Carbon tetrachloride	ND	ug/L	100	100		08/18/07 06:40	56-23-5	
Chlorobenzene	ND	ug/L	100	100		08/18/07 06:40	108-90-7	
Chloroethane	ND	ug/L	100	100		08/18/07 06:40	75-00-3	
Chloroform	ND	ug/L	100	100		08/18/07 06:40	67-66-3	
Chloromethane	ND	ug/L	100	100		08/18/07 06:40	74-87-3	
2-Chlorotoluene	ND	ug/L	100	100		08/18/07 06:40	95-49-8	
4-Chlorotoluene	ND	ug/L	100	100		08/18/07 06:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	100		08/18/07 06:40	96-12-8	
Dibromochloromethane	ND	ug/L	100	100		08/18/07 06:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	100	100		08/18/07 06:40	106-93-4	
Dibromomethane	ND	ug/L	100	100		08/18/07 06:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	100	100		08/18/07 06:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	100	100		08/18/07 06:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	100	100		08/18/07 06:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	100	100		08/18/07 06:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	100	100		08/18/07 06:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	100	100		08/18/07 06:40	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	100	100		08/18/07 06:40	540-59-0	
1,1-Dichloroethene	ND	ug/L	100	100		08/18/07 06:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	100	100		08/18/07 06:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	100		08/18/07 06:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	100	100		08/18/07 06:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	100	100		08/18/07 06:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	100		08/18/07 06:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	100	100		08/18/07 06:40	563-58-6	
Diisopropyl ether	ND	ug/L	100	100		08/18/07 06:40	108-20-3	
Ethylbenzene	ND	ug/L	100	100		08/18/07 06:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	100		08/18/07 06:40	87-68-3	
2-Hexanone	ND	ug/L	500	100		08/18/07 06:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	100	100		08/18/07 06:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	100	100		08/18/07 06:40	99-87-6	
Methylene Chloride	ND	ug/L	200	100		08/18/07 06:40	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	100	100		08/18/07 06:40	1634-04-4	
Naphthalene	ND	ug/L	100	100		08/18/07 06:40	91-20-3	
n-Propylbenzene	ND	ug/L	100	100		08/18/07 06:40	103-65-1	
Styrene	ND	ug/L	100	100		08/18/07 06:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	100	100		08/18/07 06:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	100	100		08/18/07 06:40	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW2 **Lab ID: 921278002** Collected: 08/08/07 12:20 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	100	100		08/18/07 06:40	127-18-4	
Toluene	**31100**	ug/L	2000	2000		08/19/07 20:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	100		08/18/07 06:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	100	100		08/18/07 06:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	100	100		08/18/07 06:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	100	100		08/18/07 06:40	79-00-5	
Trichloroethene	ND	ug/L	100	100		08/18/07 06:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	100	100		08/18/07 06:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	100		08/18/07 06:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	100	100		08/18/07 06:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	100	100		08/18/07 06:40	108-67-8	
Vinyl chloride	ND	ug/L	100	100		08/18/07 06:40	75-01-4	
Xylene (Total)	ND	ug/L	200	100		08/18/07 06:40	1330-20-7	
m&p-Xylene	ND	ug/L	200	100		08/18/07 06:40	1330-20-7	
o-Xylene	ND	ug/L	100	100		08/18/07 06:40	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	100		08/18/07 06:40	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	100		08/18/07 06:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	79-120	100		08/18/07 06:40	17060-07-0	
Toluene-d8 (S)	99	%	91-105	100		08/18/07 06:40	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW3 **Lab ID: 921278003** Collected: 08/08/07 16:20 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	2000	2000		08/18/07 07:04	71-43-2	
Bromobenzene	ND	ug/L	2000	2000		08/18/07 07:04	108-86-1	
Bromochloromethane	ND	ug/L	2000	2000		08/18/07 07:04	74-97-5	
Bromodichloromethane	ND	ug/L	2000	2000		08/18/07 07:04	75-27-4	
Bromoform	ND	ug/L	2000	2000		08/18/07 07:04	75-25-2	
Bromomethane	ND	ug/L	10000	2000		08/18/07 07:04	74-83-9	
n-Butylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	104-51-8	
sec-Butylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	135-98-8	
tert-Butylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	98-06-6	
Carbon tetrachloride	ND	ug/L	2000	2000		08/18/07 07:04	56-23-5	
Chlorobenzene	ND	ug/L	2000	2000		08/18/07 07:04	108-90-7	
Chloroethane	ND	ug/L	2000	2000		08/18/07 07:04	75-00-3	
Chloroform	ND	ug/L	2000	2000		08/18/07 07:04	67-66-3	
Chloromethane	ND	ug/L	2000	2000		08/18/07 07:04	74-87-3	
2-Chlorotoluene	ND	ug/L	2000	2000		08/18/07 07:04	95-49-8	
4-Chlorotoluene	ND	ug/L	2000	2000		08/18/07 07:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2000	2000		08/18/07 07:04	96-12-8	
Dibromochloromethane	ND	ug/L	2000	2000		08/18/07 07:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2000	2000		08/18/07 07:04	106-93-4	
Dibromomethane	ND	ug/L	2000	2000		08/18/07 07:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2000	2000		08/18/07 07:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2000	2000		08/18/07 07:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2000	2000		08/18/07 07:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2000	2000		08/18/07 07:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	2000	2000		08/18/07 07:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	2000	2000		08/18/07 07:04	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2000	2000		08/18/07 07:04	540-59-0	
1,1-Dichloroethene	ND	ug/L	2000	2000		08/18/07 07:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2000	2000		08/18/07 07:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2000	2000		08/18/07 07:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	2000	2000		08/18/07 07:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	2000	2000		08/18/07 07:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	2000	2000		08/18/07 07:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	2000	2000		08/18/07 07:04	563-58-6	
Diisopropyl ether	ND	ug/L	2000	2000		08/18/07 07:04	108-20-3	
Ethylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2000	2000		08/18/07 07:04	87-68-3	
2-Hexanone	ND	ug/L	10000	2000		08/18/07 07:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	2000	2000		08/18/07 07:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	2000	2000		08/18/07 07:04	99-87-6	
Methylene Chloride	ND	ug/L	4000	2000		08/18/07 07:04	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	2000	2000		08/18/07 07:04	1634-04-4	
Naphthalene	ND	ug/L	2000	2000		08/18/07 07:04	91-20-3	
n-Propylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	103-65-1	
Styrene	ND	ug/L	2000	2000		08/18/07 07:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2000	2000		08/18/07 07:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2000	2000		08/18/07 07:04	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW3 **Lab ID: 921278003** Collected: 08/08/07 16:20 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	2000	2000		08/18/07 07:04	127-18-4	
Toluene	**142000**	ug/L	2000	2000		08/18/07 07:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2000	2000		08/18/07 07:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2000	2000		08/18/07 07:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2000	2000		08/18/07 07:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2000	2000		08/18/07 07:04	79-00-5	
Trichloroethene	ND	ug/L	2000	2000		08/18/07 07:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	2000	2000		08/18/07 07:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2000	2000		08/18/07 07:04	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2000	2000		08/18/07 07:04	108-67-8	
Vinyl chloride	ND	ug/L	2000	2000		08/18/07 07:04	75-01-4	
Xylene (Total)	ND	ug/L	4000	2000		08/18/07 07:04	1330-20-7	
m&p-Xylene	ND	ug/L	4000	2000		08/18/07 07:04	1330-20-7	
o-Xylene	ND	ug/L	2000	2000		08/18/07 07:04	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	2000		08/18/07 07:04	460-00-4	
Dibromofluoromethane (S)	104	%	85-115	2000		08/18/07 07:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120	2000		08/18/07 07:04	17060-07-0	
Toluene-d8 (S)	99	%	91-105	2000		08/18/07 07:04	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW4 **Lab ID: 921278004** Collected: 08/08/07 11:25 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	250	250		08/18/07 07:27	71-43-2	
Bromobenzene	ND	ug/L	250	250		08/18/07 07:27	108-86-1	
Bromochloromethane	ND	ug/L	250	250		08/18/07 07:27	74-97-5	
Bromodichloromethane	ND	ug/L	250	250		08/18/07 07:27	75-27-4	
Bromoform	ND	ug/L	250	250		08/18/07 07:27	75-25-2	
Bromomethane	ND	ug/L	1250	250		08/18/07 07:27	74-83-9	
n-Butylbenzene	ND	ug/L	250	250		08/18/07 07:27	104-51-8	
sec-Butylbenzene	ND	ug/L	250	250		08/18/07 07:27	135-98-8	
tert-Butylbenzene	ND	ug/L	250	250		08/18/07 07:27	98-06-6	
Carbon tetrachloride	ND	ug/L	250	250		08/18/07 07:27	56-23-5	
Chlorobenzene	ND	ug/L	250	250		08/18/07 07:27	108-90-7	
Chloroethane	ND	ug/L	250	250		08/18/07 07:27	75-00-3	
Chloroform	ND	ug/L	250	250		08/18/07 07:27	67-66-3	
Chloromethane	ND	ug/L	250	250		08/18/07 07:27	74-87-3	
2-Chlorotoluene	ND	ug/L	250	250		08/18/07 07:27	95-49-8	
4-Chlorotoluene	ND	ug/L	250	250		08/18/07 07:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	250		08/18/07 07:27	96-12-8	
Dibromochloromethane	ND	ug/L	250	250		08/18/07 07:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	250		08/18/07 07:27	106-93-4	
Dibromomethane	ND	ug/L	250	250		08/18/07 07:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	250	250		08/18/07 07:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	250		08/18/07 07:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	250		08/18/07 07:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	250		08/18/07 07:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	250		08/18/07 07:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	250		08/18/07 07:27	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	250	250		08/18/07 07:27	540-59-0	
1,1-Dichloroethene	ND	ug/L	250	250		08/18/07 07:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	250	250		08/18/07 07:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	250		08/18/07 07:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	250		08/18/07 07:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	250	250		08/18/07 07:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	250	250		08/18/07 07:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	250	250		08/18/07 07:27	563-58-6	
Diisopropyl ether	ND	ug/L	250	250		08/18/07 07:27	108-20-3	
Ethylbenzene	ND	ug/L	250	250		08/18/07 07:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	250	250		08/18/07 07:27	87-68-3	
2-Hexanone	ND	ug/L	1250	250		08/18/07 07:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	250		08/18/07 07:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	250	250		08/18/07 07:27	99-87-6	
Methylene Chloride	ND	ug/L	500	250		08/18/07 07:27	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	250	250		08/18/07 07:27	1634-04-4	
Naphthalene	ND	ug/L	250	250		08/18/07 07:27	91-20-3	
n-Propylbenzene	ND	ug/L	250	250		08/18/07 07:27	103-65-1	
Styrene	ND	ug/L	250	250		08/18/07 07:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	250	250		08/18/07 07:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	250		08/18/07 07:27	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW4 **Lab ID: 921278004** Collected: 08/08/07 11:25 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	250	250		08/18/07 07:27	127-18-4	
Toluene	**169000**	ug/L	1000	1000		08/18/07 16:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	250	250		08/18/07 07:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	250	250		08/18/07 07:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	250		08/18/07 07:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	250		08/18/07 07:27	79-00-5	
Trichloroethene	ND	ug/L	250	250		08/18/07 07:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	250		08/18/07 07:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	250	250		08/18/07 07:27	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	250	250		08/18/07 07:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	250	250		08/18/07 07:27	108-67-8	
Vinyl chloride	ND	ug/L	250	250		08/18/07 07:27	75-01-4	
Xylene (Total)	ND	ug/L	500	250		08/18/07 07:27	1330-20-7	
m&p-Xylene	ND	ug/L	500	250		08/18/07 07:27	1330-20-7	
o-Xylene	ND	ug/L	250	250		08/18/07 07:27	95-47-6	
4-Bromofluorobenzene (S)	96	%	87-109	250		08/18/07 07:27	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	250		08/18/07 07:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120	250		08/18/07 07:27	17060-07-0	
Toluene-d8 (S)	98	%	91-105	250		08/18/07 07:27	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW7 **Lab ID: 921278005** Collected: 08/08/07 17:25 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/18/07 07:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/18/07 07:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/18/07 07:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/18/07 07:51	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/18/07 07:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/18/07 07:51	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/18/07 07:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/18/07 07:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/18/07 07:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/18/07 07:51	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/18/07 07:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 07:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 07:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/18/07 07:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/18/07 07:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/18/07 07:51	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/18/07 07:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 07:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 07:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 07:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/18/07 07:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/18/07 07:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/18/07 07:51	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/18/07 07:51	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/18/07 07:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 07:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 07:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 07:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/18/07 07:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 07:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/18/07 07:51	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/18/07 07:51	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/18/07 07:51	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		08/18/07 07:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/18/07 07:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/18/07 07:51	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/18/07 07:51	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/18/07 07:51	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/18/07 07:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	103-65-1	
Styrene	ND	ug/L	1.0	1		08/18/07 07:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 07:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 07:51	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: MW7 **Lab ID: 921278005** Collected: 08/08/07 17:25 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/18/07 07:51	127-18-4	
Toluene	**59.7**	ug/L	1.0	1		08/18/07 07:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 07:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 07:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/18/07 07:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/18/07 07:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/18/07 07:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/18/07 07:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/18/07 07:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 07:51	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/18/07 07:51	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/18/07 07:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/18/07 07:51	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/18/07 07:51	95-47-6	
4-Bromofluorobenzene (S)	97	%	87-109	1		08/18/07 07:51	460-00-4	
Dibromofluoromethane (S)	103	%	85-115	1		08/18/07 07:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	79-120	1		08/18/07 07:51	17060-07-0	
Toluene-d8 (S)	99	%	91-105	1		08/18/07 07:51	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: FB1 **Lab ID: 921278007** Collected: 08/08/07 16:30 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/18/07 10:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/18/07 10:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/18/07 10:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/18/07 10:14	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/18/07 10:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/18/07 10:14	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/18/07 10:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/18/07 10:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/18/07 10:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/18/07 10:14	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/18/07 10:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 10:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 10:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/18/07 10:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/18/07 10:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/18/07 10:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/18/07 10:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/18/07 10:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/18/07 10:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/18/07 10:14	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/18/07 10:14	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/18/07 10:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 10:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 10:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 10:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/18/07 10:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 10:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/18/07 10:14	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/18/07 10:14	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/18/07 10:14	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		08/18/07 10:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/18/07 10:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/18/07 10:14	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/18/07 10:14	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/18/07 10:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/18/07 10:14	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	103-65-1	
Styrene	ND	ug/L	1.0	1		08/18/07 10:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 10:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 10:14	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: FB1 **Lab ID: 921278007** Collected: 08/08/07 16:30 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/18/07 10:14	127-18-4	
Toluene	ND	ug/L	1.0	1		08/18/07 10:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/18/07 10:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/18/07 10:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/18/07 10:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/18/07 10:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/18/07 10:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 10:14	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/18/07 10:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/18/07 10:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/18/07 10:14	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/18/07 10:14	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109	1		08/18/07 10:14	460-00-4	
Dibromofluoromethane (S)	96	%	85-115	1		08/18/07 10:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	79-120	1		08/18/07 10:14	17060-07-0	
Toluene-d8 (S)	101	%	91-105	1		08/18/07 10:14	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: EB1 **Lab ID: 921278008** Collected: 08/08/07 16:35 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/18/07 10:37	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/18/07 10:37	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/18/07 10:37	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/18/07 10:37	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/18/07 10:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/18/07 10:37	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/18/07 10:37	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/18/07 10:37	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/18/07 10:37	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/18/07 10:37	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/18/07 10:37	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 10:37	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 10:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/18/07 10:37	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/18/07 10:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/18/07 10:37	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/18/07 10:37	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:37	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/18/07 10:37	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/18/07 10:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/18/07 10:37	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/18/07 10:37	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/18/07 10:37	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 10:37	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 10:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 10:37	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/18/07 10:37	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 10:37	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/18/07 10:37	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/18/07 10:37	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/18/07 10:37	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		08/18/07 10:37	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/18/07 10:37	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/18/07 10:37	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/18/07 10:37	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/18/07 10:37	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/18/07 10:37	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	103-65-1	
Styrene	ND	ug/L	1.0	1		08/18/07 10:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 10:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 10:37	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: EB1 **Lab ID: 921278008** Collected: 08/08/07 16:35 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/18/07 10:37	127-18-4	
Toluene	ND	ug/L	1.0	1		08/18/07 10:37	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:37	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 10:37	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/18/07 10:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/18/07 10:37	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/18/07 10:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/18/07 10:37	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/18/07 10:37	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 10:37	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/18/07 10:37	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/18/07 10:37	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/18/07 10:37	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/18/07 10:37	95-47-6	
4-Bromofluorobenzene (S)	102	%	87-109	1		08/18/07 10:37	460-00-4	
Dibromofluoromethane (S)	97	%	85-115	1		08/18/07 10:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	79-120	1		08/18/07 10:37	17060-07-0	
Toluene-d8 (S)	102	%	91-105	1		08/18/07 10:37	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: DUP1 **Lab ID: 921278009** Collected: 08/08/07 00:00 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	**25.3**	ug/L	1.0	1		08/18/07 12:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/18/07 12:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/18/07 12:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/18/07 12:59	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/18/07 12:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/18/07 12:59	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/18/07 12:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/18/07 12:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/18/07 12:59	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/18/07 12:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/18/07 12:59	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/18/07 12:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/18/07 12:59	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/18/07 12:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 12:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/18/07 12:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/18/07 12:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/18/07 12:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/18/07 12:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/18/07 12:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 12:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 12:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/18/07 12:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/18/07 12:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/18/07 12:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/18/07 12:59	107-06-2	
1,2-Dichloroethene (Total)	**2.3**	ug/L	1.0	1		08/18/07 12:59	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/18/07 12:59	75-35-4	
cis-1,2-Dichloroethene	**2.3**	ug/L	1.0	1		08/18/07 12:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/18/07 12:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 12:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/18/07 12:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/18/07 12:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/18/07 12:59	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/18/07 12:59	108-20-3	
Ethylbenzene	**28.5**	ug/L	1.0	1		08/18/07 12:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/18/07 12:59	87-68-3	
2-Hexanone	**5.7**	ug/L	5.0	1		08/18/07 12:59	591-78-6	
Isopropylbenzene (Cumene)	**16.3**	ug/L	1.0	1		08/18/07 12:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/18/07 12:59	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/18/07 12:59	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/18/07 12:59	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/18/07 12:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/18/07 12:59	103-65-1	
Styrene	ND	ug/L	1.0	1		08/18/07 12:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 12:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/18/07 12:59	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: DUP1 **Lab ID: 921278009** Collected: 08/08/07 00:00 Received: 08/10/07 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/18/07 12:59	127-18-4	
Toluene	**132000**	ug/L	2000	2000		08/21/07 13:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 12:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/18/07 12:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/18/07 12:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/18/07 12:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/18/07 12:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/18/07 12:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/18/07 12:59	96-18-4	
1,2,4-Trimethylbenzene	**134**	ug/L	1.0	1		08/18/07 12:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/18/07 12:59	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/18/07 12:59	75-01-4	
Xylene (Total)	**86.4**	ug/L	2.0	1		08/18/07 12:59	1330-20-7	
m&p-Xylene	**39.7**	ug/L	2.0	1		08/18/07 12:59	1330-20-7	
o-Xylene	**46.7**	ug/L	1.0	1		08/18/07 12:59	95-47-6	
4-Bromofluorobenzene (S)	103	%	87-109	1		08/18/07 12:59	460-00-4	
Dibromofluoromethane (S)	92	%	85-115	1		08/18/07 12:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	90	%	79-120	1		08/18/07 12:59	17060-07-0	
Toluene-d8 (S)	23	%	91-105	1		08/18/07 12:59	2037-26-5	S1

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: TW1 **Lab ID: 921278010** Collected: 08/08/07 15:00 Received: 08/10/07 09:30 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	113000	1250		08/15/07 22:53	67-64-1	
Benzene	ND	ug/kg	5670	1250		08/15/07 22:53	71-43-2	
Bromobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	108-86-1	
Bromochloromethane	ND	ug/kg	5670	1250		08/15/07 22:53	74-97-5	
Bromodichloromethane	ND	ug/kg	5670	1250		08/15/07 22:53	75-27-4	
Bromoform	ND	ug/kg	5670	1250		08/15/07 22:53	75-25-2	
Bromomethane	ND	ug/kg	11300	1250		08/15/07 22:53	74-83-9	
2-Butanone (MEK)	ND	ug/kg	113000	1250		08/15/07 22:53	78-93-3	
n-Butylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	104-51-8	
sec-Butylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	135-98-8	
tert-Butylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	98-06-6	
Carbon tetrachloride	ND	ug/kg	5670	1250		08/15/07 22:53	56-23-5	
Chlorobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	108-90-7	
Chloroethane	ND	ug/kg	11300	1250		08/15/07 22:53	75-00-3	
Chloroform	ND	ug/kg	5670	1250		08/15/07 22:53	67-66-3	
Chloromethane	ND	ug/kg	11300	1250		08/15/07 22:53	74-87-3	
2-Chlorotoluene	ND	ug/kg	5670	1250		08/15/07 22:53	95-49-8	
4-Chlorotoluene	ND	ug/kg	5670	1250		08/15/07 22:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5670	1250		08/15/07 22:53	96-12-8	
Dibromochloromethane	ND	ug/kg	5670	1250		08/15/07 22:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5670	1250		08/15/07 22:53	106-93-4	
Dibromomethane	ND	ug/kg	5670	1250		08/15/07 22:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	11300	1250		08/15/07 22:53	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5670	1250		08/15/07 22:53	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5670	1250		08/15/07 22:53	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5670	1250		08/15/07 22:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5670	1250		08/15/07 22:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5670	1250		08/15/07 22:53	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5670	1250		08/15/07 22:53	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5670	1250		08/15/07 22:53	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5670	1250		08/15/07 22:53	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5670	1250		08/15/07 22:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5670	1250		08/15/07 22:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5670	1250		08/15/07 22:53	10061-02-6	
Diisopropyl ether	ND	ug/kg	5670	1250		08/15/07 22:53	108-20-3	
Ethylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	5670	1250		08/15/07 22:53	87-68-3	
2-Hexanone	ND	ug/kg	56700	1250		08/15/07 22:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	5670	1250		08/15/07 22:53	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5670	1250		08/15/07 22:53	99-87-6	
Methylene Chloride	ND	ug/kg	5670	1250		08/15/07 22:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56700	1250		08/15/07 22:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5670	1250		08/15/07 22:53	1634-04-4	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 921278

Sample: TW1 **Lab ID: 921278010** Collected: 08/08/07 15:00 Received: 08/10/07 09:30 Matrix: Solid

Solid results reported on dry weight basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Naphthalene	ND	ug/kg	5670	1250		08/15/07 22:53	91-20-3	
n-Propylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	103-65-1	
Styrene	ND	ug/kg	5670	1250		08/15/07 22:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5670	1250		08/15/07 22:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5670	1250		08/15/07 22:53	79-34-5	
Tetrachloroethene	ND	ug/kg	5670	1250		08/15/07 22:53	127-18-4	
Toluene	**7970000**	ug/kg	22700	5000		08/16/07 16:24	108-88-3	E
1,2,3-Trichlorobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5670	1250		08/15/07 22:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5670	1250		08/15/07 22:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5670	1250		08/15/07 22:53	79-00-5	
Trichloroethene	ND	ug/kg	5670	1250		08/15/07 22:53	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5670	1250		08/15/07 22:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5670	1250		08/15/07 22:53	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5670	1250		08/15/07 22:53	108-67-8	
Vinyl acetate	ND	ug/kg	56700	1250		08/15/07 22:53	108-05-4	
Vinyl chloride	ND	ug/kg	11300	1250		08/15/07 22:53	75-01-4	
Xylene (Total)	ND	ug/kg	11300	1250		08/15/07 22:53	1330-20-7	
m&p-Xylene	ND	ug/kg	11300	1250		08/15/07 22:53	1330-20-7	
o-Xylene	ND	ug/kg	5670	1250		08/15/07 22:53	95-47-6	
Dibromofluoromethane (S)	99	%	79-116	1250		08/15/07 22:53	1868-53-7	
Toluene-d8 (S)	101	%	88-110	1250		08/15/07 22:53	2037-26-5	
4-Bromofluorobenzene (S)	85	%	74-115	1250		08/15/07 22:53	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	69-121	1250		08/15/07 22:53	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.4**	%	0.10	1		08/14/07 15:53		

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

QC Batch: PMST/1015
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 921278010

SAMPLE DUPLICATE: 2011

Parameter	Units	921351003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.6	14.1	50	25	R1

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

QC Batch: MSV/1029
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 921278010

METHOD BLANK: 2757
Associated Lab Samples: 921278010

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,1-Trichloroethane	ug/kg	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	
1,1,2-Trichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethane	ug/kg	ND	5.0	
1,1-Dichloroethene	ug/kg	ND	5.0	
1,1-Dichloropropene	ug/kg	ND	5.0	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	
1,2,3-Trichloropropane	ug/kg	ND	5.0	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	
1,2-Dichlorobenzene	ug/kg	ND	5.0	
1,2-Dichloroethane	ug/kg	ND	5.0	
1,2-Dichloropropane	ug/kg	ND	5.0	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	
1,3-Dichlorobenzene	ug/kg	ND	5.0	
1,3-Dichloropropane	ug/kg	ND	5.0	
1,4-Dichlorobenzene	ug/kg	ND	5.0	
2,2-Dichloropropane	ug/kg	ND	5.0	
2-Butanone (MEK)	ug/kg	ND	100	
2-Chlorotoluene	ug/kg	ND	5.0	
2-Hexanone	ug/kg	ND	50.0	
4-Chlorotoluene	ug/kg	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	
Acetone	ug/kg	ND	100	
Benzene	ug/kg	ND	5.0	
Bromobenzene	ug/kg	ND	5.0	
Bromochloromethane	ug/kg	ND	5.0	
Bromodichloromethane	ug/kg	ND	5.0	
Bromoform	ug/kg	ND	5.0	
Bromomethane	ug/kg	ND	10.0	
Carbon tetrachloride	ug/kg	ND	5.0	
Chlorobenzene	ug/kg	ND	5.0	
Chloroethane	ug/kg	ND	10.0	
Chloroform	ug/kg	ND	5.0	
Chloromethane	ug/kg	ND	10.0	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	
Dibromochloromethane	ug/kg	ND	5.0	
Dibromomethane	ug/kg	ND	5.0	
Dichlorodifluoromethane	ug/kg	ND	10.0	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

METHOD BLANK: 2757
Associated Lab Samples: 921278010

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Diisopropyl ether	ug/kg	ND	5.0	
Ethylbenzene	ug/kg	ND	5.0	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	
m&p-Xylene	ug/kg	ND	10.0	
Methyl-tert-butyl ether	ug/kg	ND	5.0	
Methylene Chloride	ug/kg	ND	5.0	
n-Butylbenzene	ug/kg	ND	5.0	
n-Propylbenzene	ug/kg	ND	5.0	
Naphthalene	ug/kg	ND	5.0	
o-Xylene	ug/kg	ND	5.0	
p-Isopropyltoluene	ug/kg	ND	5.0	
sec-Butylbenzene	ug/kg	ND	5.0	
Styrene	ug/kg	ND	5.0	
tert-Butylbenzene	ug/kg	ND	5.0	
Tetrachloroethene	ug/kg	ND	5.0	
Toluene	ug/kg	ND	5.0	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	
Trichloroethene	ug/kg	ND	5.0	
Trichlorofluoromethane	ug/kg	ND	5.0	
Vinyl acetate	ug/kg	ND	50.0	
Vinyl chloride	ug/kg	ND	10.0	
Xylene (Total)	ug/kg	ND	10.0	
1,2-Dichloroethane-d4 (S)	%	82	69-121	
4-Bromofluorobenzene (S)	%	85	74-115	
Dibromofluoromethane (S)	%	92	79-116	
Toluene-d8 (S)	%	98	88-110	

LABORATORY CONTROL SAMPLE: 2758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	51.4	103	75-137	
1,1,1-Trichloroethane	ug/kg	50	50.8	102	70-140	
1,1,2,2-Tetrachloroethane	ug/kg	50	40.2	80	74-133	
1,1,2-Trichloroethane	ug/kg	50	48.3	97	79-129	
1,1-Dichloroethane	ug/kg	50	53.0	106	72-139	
1,1-Dichloroethene	ug/kg	50	68.1	136	69-154	
1,1-Dichloropropene	ug/kg	50	53.5	107	74-138	
1,2,3-Trichlorobenzene	ug/kg	50	51.9	104	71-150	
1,2,3-Trichloropropane	ug/kg	50	46.8	94	74-135	
1,2,4-Trichlorobenzene	ug/kg	50	53.3	107	68-150	
1,2,4-Trimethylbenzene	ug/kg	50	57.2	114	70-130	
1,2-Dibromo-3-chloropropane	ug/kg	50	43.7	87	65-146	
1,2-Dibromoethane (EDB)	ug/kg	50	47.3	95	77-136	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

LABORATORY CONTROL SAMPLE: 2758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/kg	50	55.1	110	75-141	
1,2-Dichloroethane	ug/kg	50	48.5	97	74-134	
1,2-Dichloropropane	ug/kg	50	51.6	103	77-138	
1,3,5-Trimethylbenzene	ug/kg	50	58.4	117	65-128	
1,3-Dichlorobenzene	ug/kg	50	55.2	110	76-133	
1,3-Dichloropropane	ug/kg	50	48.3	97	79-132	
1,4-Dichlorobenzene	ug/kg	50	53.5	107	75-137	
2,2-Dichloropropane	ug/kg	50	47.3	95	73-137	
2-Butanone (MEK)	ug/kg	100	86.3J	86	61-138	
2-Chlorotoluene	ug/kg	50	60.2	120	73-138	
2-Hexanone	ug/kg	100	100	100	58-159	
4-Chlorotoluene	ug/kg	50	57.0	114	75-136	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	94.0	94	74-139	
Acetone	ug/kg	100	90.5J	90	58-150	
Benzene	ug/kg	50	51.0	102	71-140	
Bromobenzene	ug/kg	50	57.7	115	72-144	
Bromochloromethane	ug/kg	50	45.0	90	78-133	
Bromodichloromethane	ug/kg	50	51.5	103	78-133	
Bromoform	ug/kg	50	45.6	91	74-132	
Bromomethane	ug/kg	50	41.4	83	63-184	
Carbon tetrachloride	ug/kg	50	54.8	110	73-143	
Chlorobenzene	ug/kg	50	51.4	103	77-137	
Chloroethane	ug/kg	50	50.3	101	68-146	
Chloroform	ug/kg	50	53.1	106	75-137	
Chloromethane	ug/kg	50	50.9	102	54-143	
cis-1,2-Dichloroethene	ug/kg	50	55.2	110	71-143	
cis-1,3-Dichloropropene	ug/kg	50	53.0	106	76-133	
Dibromochloromethane	ug/kg	50	52.5	105	77-131	
Dibromomethane	ug/kg	50	51.4	103	63-184	
Dichlorodifluoromethane	ug/kg	50	46.5	93	36-173	
Diisopropyl ether	ug/kg	50	53.1	106	68-144	
Ethylbenzene	ug/kg	50	49.6	99	69-141	
Hexachloro-1,3-butadiene	ug/kg	50	58.5	117	70-152	
Isopropylbenzene (Cumene)	ug/kg	50	48.8	98	77-143	
m&p-Xylene	ug/kg	100	100	100	72-138	
Methyl-tert-butyl ether	ug/kg	50	49.9	100	2-138	
Methylene Chloride	ug/kg	50	59.0	118	69-136	
n-Butylbenzene	ug/kg	50	58.0	116	65-128	
n-Propylbenzene	ug/kg	50	57.4	115	72-139	
Naphthalene	ug/kg	50	52.5	105	61-138	
o-Xylene	ug/kg	50	47.8	96	74-137	
p-Isopropyltoluene	ug/kg	50	57.5	115	66-128	
sec-Butylbenzene	ug/kg	50	56.4	113	72-140	
Styrene	ug/kg	50	50.7	101	76-137	
tert-Butylbenzene	ug/kg	50	56.4	113	68-141	
Tetrachloroethene	ug/kg	50	50.2	100	72-136	
Toluene	ug/kg	50	50.3	101	69-139	
trans-1,2-Dichloroethene	ug/kg	50	59.8	120	72-144	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

LABORATORY CONTROL SAMPLE: 2758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/kg	50	52.4	105	73-135	
Trichloroethene	ug/kg	50	52.2	104	75-136	
Trichlorofluoromethane	ug/kg	50	58.0	116	69-144	
Vinyl acetate	ug/kg	100	103	103	50-150	
Vinyl chloride	ug/kg	50	54.4	109	61-145	
Xylene (Total)	ug/kg	150	148	99	73-138	
1,2-Dichloroethane-d4 (S)	%			91	69-121	
4-Bromofluorobenzene (S)	%			87	74-115	
Dibromofluoromethane (S)	%			105	79-116	
Toluene-d8 (S)	%			99	88-110	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

QC Batch: MSV/1050 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 921278001, 921278002, 921278003, 921278004, 921278005

METHOD BLANK: 4341
Associated Lab Samples: 921278001, 921278002, 921278003, 921278004, 921278005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	5.0	
4-Chlorotoluene	ug/L	ND	1.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

METHOD BLANK: 4341

Associated Lab Samples: 921278001, 921278002, 921278003, 921278004, 921278005

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene Chloride	ug/L	ND	2.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	1.0	
o-Xylene	ug/L	ND	1.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	103	79-120	
4-Bromofluorobenzene (S)	%	95	87-109	
Dibromofluoromethane (S)	%	102	85-115	
Toluene-d8 (S)	%	99	91-105	

LABORATORY CONTROL SAMPLE: 4342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	57.0	114	83-125	
1,1,1-Trichloroethane	ug/L	50	59.8	120	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.7	99	73-127	
1,1,2-Trichloroethane	ug/L	50	55.1	110	77-123	
1,1-Dichloroethane	ug/L	50	60.6	121	76-129	
1,1-Dichloroethene	ug/L	50	73.2	146	78-146	
1,1-Dichloropropene	ug/L	50	62.4	125	79-134	
1,2,3-Trichlorobenzene	ug/L	50	57.5	115	70-150	
1,2,3-Trichloropropane	ug/L	50	51.4	103	72-125	
1,2,4-Trichlorobenzene	ug/L	50	57.9	116	68-127	
1,2,4-Trimethylbenzene	ug/L	50	60.4	121	78-138	
1,2-Dibromo-3-chloropropane	ug/L	50	47.8	96	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	53.6	107	81-125	
1,2-Dichlorobenzene	ug/L	50	55.6	111	82-126	
1,2-Dichloroethane	ug/L	50	57.3	115	72-126	
1,2-Dichloroethene (Total)	ug/L	100	127	127	50-150	
1,2-Dichloropropane	ug/L	50	57.6	115	80-127	
1,3,5-Trimethylbenzene	ug/L	50	59.9	120	73-118	L3

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

LABORATORY CONTROL SAMPLE: 4342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	56.6	113	82-124	
1,3-Dichloropropane	ug/L	50	54.0	108	79-124	
1,4-Dichlorobenzene	ug/L	50	55.6	111	79-125	
2,2-Dichloropropane	ug/L	50	60.1	120	58-140	
2-Chlorotoluene	ug/L	50	58.7	117	81-126	
2-Hexanone	ug/L	100	99.6	100	58-138	
4-Chlorotoluene	ug/L	50	59.2	118	82-126	
Benzene	ug/L	50	57.7	115	78-128	
Bromobenzene	ug/L	50	59.0	118	81-127	
Bromochloromethane	ug/L	50	54.6	109	73-124	
Bromodichloromethane	ug/L	50	59.4	119	81-125	
Bromoform	ug/L	50	51.4	103	71-125	
Bromomethane	ug/L	50	58.8	118	50-150	
Carbon tetrachloride	ug/L	50	56.7	113	81-137	
Chlorobenzene	ug/L	50	57.6	115	82-126	
Chloroethane	ug/L	50	59.8	120	69-140	
Chloroform	ug/L	50	61.6	123	77-129	
Chloromethane	ug/L	50	55.9	112	54-139	
cis-1,2-Dichloroethene	ug/L	50	63.9	128	76-133	
Dibromochloromethane	ug/L	50	56.9	114	77-125	
Dibromomethane	ug/L	50	54.7	109	77-125	
Dichlorodifluoromethane	ug/L	50	56.5	113	50-150	
Diisopropyl ether	ug/L	50	59.8	120	74-131	
Ethylbenzene	ug/L	50	57.1	114	80-127	
Hexachloro-1,3-butadiene	ug/L	50	59.6	119	78-145	
Isopropylbenzene (Cumene)	ug/L	50	56.8	114	84-135	
m&p-Xylene	ug/L	100	114	114	82-127	
Methyl-tert-butyl ether	ug/L	50	56.3	113	71-130	
Methylene Chloride	ug/L	50	56.1	112	67-133	
n-Butylbenzene	ug/L	50	60.9	122	73-122	
n-Propylbenzene	ug/L	50	59.2	118	82-129	
Naphthalene	ug/L	50	61.0	122	52-136	
o-Xylene	ug/L	50	55.1	110	83-124	
p-Isopropyltoluene	ug/L	50	60.7	121	73-122	
sec-Butylbenzene	ug/L	50	59.0	118	82-131	
Styrene	ug/L	50	56.3	113	80-130	
tert-Butylbenzene	ug/L	50	58.8	118	80-130	
Tetrachloroethene	ug/L	50	58.2	116	78-128	
Toluene	ug/L	50	56.8	114	76-126	
trans-1,2-Dichloroethene	ug/L	50	62.6	125	78-134	
Trichloroethene	ug/L	50	56.4	113	79-127	
Trichlorofluoromethane	ug/L	50	59.6	119	76-148	
Vinyl chloride	ug/L	50	65.1	130	67-143	
Xylene (Total)	ug/L	150	169	113	83-125	
1,2-Dichloroethane-d4 (S)	%			108	79-120	
4-Bromofluorobenzene (S)	%			97	87-109	
Dibromofluoromethane (S)	%			105	85-115	
Toluene-d8 (S)	%			100	91-105	

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9800 Kincey Ave. Suite 100
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(704)875-9092

QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4343 4344

Parameter	Units	921256012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	62.8	55.4	126	111	60-150	12	30	
Benzene	ug/L	ND	50	50	56.2	50.7	112	101	74-136	10	30	
Chlorobenzene	ug/L	ND	50	50	55.4	50.8	111	102	79-135	9	30	
Toluene	ug/L	ND	50	50	53.9	48.7	108	97	73-131	10	30	
Trichloroethene	ug/L	ND	50	50	53.6	48.8	107	98	73-131	9	30	
1,2-Dichloroethane-d4 (S)	%						99	98	79-120			
4-Bromofluorobenzene (S)	%						97	98	87-109			
Dibromofluoromethane (S)	%						103	102	85-115			
Toluene-d8 (S)	%						99	99	91-105			

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

QC Batch: MSV/1051 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 921278007, 921278008, 921278009

METHOD BLANK: 4384
Associated Lab Samples: 921278007, 921278008, 921278009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	5.0	
4-Chlorotoluene	ug/L	ND	1.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

METHOD BLANK: 4384

Associated Lab Samples: 921278007, 921278008, 921278009

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene Chloride	ug/L	ND	2.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	1.0	
o-Xylene	ug/L	ND	1.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	96	79-120	
4-Bromofluorobenzene (S)	%	102	87-109	
Dibromofluoromethane (S)	%	96	85-115	
Toluene-d8 (S)	%	100	91-105	

LABORATORY CONTROL SAMPLE: 4385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.0	112	83-125	
1,1,1-Trichloroethane	ug/L	50	58.3	117	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	50.0	100	73-127	
1,1,2-Trichloroethane	ug/L	50	54.1	108	77-123	
1,1-Dichloroethane	ug/L	50	57.4	115	76-129	
1,1-Dichloroethene	ug/L	50	70.5	141	78-146	
1,1-Dichloropropene	ug/L	50	57.5	115	79-134	
1,2,3-Trichlorobenzene	ug/L	50	58.3	117	70-150	
1,2,3-Trichloropropane	ug/L	50	52.8	106	72-125	
1,2,4-Trichlorobenzene	ug/L	50	54.1	108	68-127	
1,2,4-Trimethylbenzene	ug/L	50	57.2	114	78-138	
1,2-Dibromo-3-chloropropane	ug/L	50	55.4	111	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	52.0	104	81-125	
1,2-Dichlorobenzene	ug/L	50	54.7	109	82-126	
1,2-Dichloroethane	ug/L	50	53.0	106	72-126	
1,2-Dichloroethene (Total)	ug/L	100	118	118	50-150	
1,2-Dichloropropane	ug/L	50	56.1	112	80-127	
1,3,5-Trimethylbenzene	ug/L	50	57.2	114	73-118	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

LABORATORY CONTROL SAMPLE: 4385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	52.1	104	82-124	
1,3-Dichloropropane	ug/L	50	53.6	107	79-124	
1,4-Dichlorobenzene	ug/L	50	52.2	104	79-125	
2,2-Dichloropropane	ug/L	50	44.5	89	58-140	
2-Chlorotoluene	ug/L	50	53.1	106	81-126	
2-Hexanone	ug/L	100	115	115	58-138	
4-Chlorotoluene	ug/L	50	53.9	108	82-126	
Benzene	ug/L	50	55.4	111	78-128	
Bromobenzene	ug/L	50	56.3	113	81-127	
Bromochloromethane	ug/L	50	55.9	112	73-124	
Bromodichloromethane	ug/L	50	56.9	114	81-125	
Bromoform	ug/L	50	50.8	102	71-125	
Bromomethane	ug/L	50	53.1	106	50-150	
Carbon tetrachloride	ug/L	50	64.7	129	81-137	
Chlorobenzene	ug/L	50	54.8	110	82-126	
Chloroethane	ug/L	50	50.4	101	69-140	
Chloroform	ug/L	50	59.3	119	77-129	
Chloromethane	ug/L	50	57.3	115	54-139	
cis-1,2-Dichloroethene	ug/L	50	58.7	117	76-133	
Dibromochloromethane	ug/L	50	60.1	120	77-125	
Dibromomethane	ug/L	50	54.6	109	77-125	
Dichlorodifluoromethane	ug/L	50	54.2	108	50-150	
Diisopropyl ether	ug/L	50	59.7	119	74-131	
Ethylbenzene	ug/L	50	54.1	108	80-127	
Hexachloro-1,3-butadiene	ug/L	50	60.9	122	78-145	
Isopropylbenzene (Cumene)	ug/L	50	55.6	111	84-135	
m&p-Xylene	ug/L	100	108	108	82-127	
Methyl-tert-butyl ether	ug/L	50	58.9	118	71-130	
Methylene Chloride	ug/L	50	56.8	114	67-133	
n-Butylbenzene	ug/L	50	55.8	112	73-122	
n-Propylbenzene	ug/L	50	54.4	109	82-129	
Naphthalene	ug/L	50	62.4	125	52-136	
o-Xylene	ug/L	50	54.5	109	83-124	
p-Isopropyltoluene	ug/L	50	57.0	114	73-122	
sec-Butylbenzene	ug/L	50	54.9	110	82-131	
Styrene	ug/L	50	55.5	111	80-130	
tert-Butylbenzene	ug/L	50	55.7	111	80-130	
Tetrachloroethene	ug/L	50	55.1	110	78-128	
Toluene	ug/L	50	52.8	106	76-126	
trans-1,2-Dichloroethene	ug/L	50	59.0	118	78-134	
Trichloroethene	ug/L	50	56.1	112	79-127	
Trichlorofluoromethane	ug/L	50	60.1	120	76-148	
Vinyl chloride	ug/L	50	56.7	113	67-143	
Xylene (Total)	ug/L	150	163	109	83-125	
1,2-Dichloroethane-d4 (S)	%			112	79-120	
4-Bromofluorobenzene (S)	%			99	87-109	
Dibromofluoromethane (S)	%			103	85-115	
Toluene-d8 (S)	%			99	91-105	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 921278

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4564 4565

Parameter	Units	921396001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	59.2	58.9	118	118	60-150	.6	30	
Benzene	ug/L	ND	50	50	53.1	52.5	106	105	74-136	1	30	
Chlorobenzene	ug/L	ND	50	50	51.3	51.1	103	102	79-135	.4	30	
Toluene	ug/L	1.3	50	50	53.4	52.5	104	103	73-131	2	30	
Trichloroethene	ug/L	ND	50	50	51.8	51.4	104	103	73-131	.8	30	
1,2-Dichloroethane-d4 (S)	%						95	97	79-120			
4-Bromofluorobenzene (S)	%						99	98	87-109			
Dibromofluoromethane (S)	%						96	97	85-115			
Toluene-d8 (S)	%						100	99	91-105			

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QUALIFIERS

Project: WIX 41284
Pace Project No.: 921278

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
R1	RPD value was outside control limits.
S1	Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WIX 41284
Pace Project No.: 921278

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
921278010	TW1	ASTM D2974-87	PMST/1015		
921278010	TW1	EPA 8260	MSV/1029		
921278001	MW1	EPA 8260	MSV/1050		
921278002	MW2	EPA 8260	MSV/1050		
921278003	MW3	EPA 8260	MSV/1050		
921278004	MW4	EPA 8260	MSV/1050		
921278005	MW7	EPA 8260	MSV/1050		
921278007	FB1	EPA 8260	MSV/1051		
921278008	EB1	EPA 8260	MSV/1051		
921278009	DUP1	EPA 8260	MSV/1051		

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of 1044213

Section A Required Client Information:

Company: ERM, SE
Address: 498 Wando Park Blvd
STE 100
Email To: mark.easterbrook@erm.com
Phone: 843-856-4270 Fax: 843-856-4283
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mark Easterbrook
Copy To:
Purchase Order No.:
Project Name: Wix
Project Number: 41284

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1369-2

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☒SC ☐WI ☐OTHER_____

Section D Required Client Information

Valid Matrix Codes: DRINKING WATER DW; WATER WT; WASTE WATER WW; PRODUCT P; SOIL/SOLID SL; OIL OL; WIPE WP; AIR AR; OTHER OT; TISSUE TS

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis: 5260b	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW1	WT	G	8/8	1455				3				X					X		001
2	MW2	WT			1220				3				X							002
3	MW3	WT			1620				3				X							003
4	MW4	WT			1125				3				X							004
5	MW7	WT			1725				3				X							005
6	TW1	SL			1500				4				X							006
7	FB1	WT			1630				3				X							007
8	EB1	WT			1635				3				X							008
9	DUP1	WT	G	8/8	—				3				X					V		009
10																				
11																				
12																				

Filtered (Y/N)

Pace Project Number: 92178

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION			
ERM	8/8/07	1700		8/10/07	9:30	5.4	Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Michael Stokes / Christopher Stang

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 08/08/07

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31Mar05

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August 28, 2007

Mr. Mark Easterbrook
ERM
498 Wando Park Blvd
Suite 100
Mount Pleasant, SC 29464

RE: Project: WIX 41284
Pace Project No.: 922364

Dear Mr. Easterbrook:
Enclosed are the analytical results for sample(s) received by the laboratory on August 25, 2007. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: WIX 41284
Pace Project No.: 922364

Charlotte Certification IDs

North Carolina Wastewater Certification Number: 12
North Carolina Field Services Certification Number: 5342
South Carolina Certification Number: 990060001
South Carolina Bioassay Certification Number: 990060003
Tennessee Certification Number: 04010
Virginia Certification Number: 00213
Florida/NELAP Certification Number: E87627
Kansas Certification Number: E-10364
Louisiana/LELAP Certification Number: 04034
North Carolina Drinking Water Certification Number: 37706

Asheville Certification IDs

Florida/NELAP Certification Number: E87648
Louisiana/LELAP Certification Number: 03095
New Jersey Certification Number: NC011
North Carolina Drinking Water Certification Number: 37712
North Carolina Wastewater Certification Number: 40
North Carolina Bioassay Certification Number: 9
Pennsylvania Certification Number: 68-03578
South Carolina Certification Number: 990300001
South Carolina Bioassay Certification Number: 990300002
Tennessee Certification Number: 2980
Virginia Certification Number: 00072

Eden Certification IDs

North Carolina Drinking Water Certification Number: 37738
Virginia Drinking Water Certification Number: 00424
North Carolina Wastewater Certification Number: 633

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SAMPLE SUMMARY

Project: WIX 41284
Pace Project No.: 922364

Lab ID	Sample ID	Matrix	Date Collected	Date Received
922364001	MW-7	Water	08/23/07 16:55	08/25/07 09:15
922364002	FB-2	Water	08/23/07 16:50	08/25/07 09:15
922364003	TB-2	Water	08/23/07 00:00	08/25/07 09:15

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SAMPLE ANALYTE COUNT

Project: WIX 41284
Pace Project No.: 922364

Lab ID	Sample ID	Method	Analytes Reported
922364001	MW-7	EPA 8260	66
922364002	FB-2	EPA 8260	66
922364003	TB-2	EPA 8260	66

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 922364

Sample: MW-7 **Lab ID: 922364001** Collected: 08/23/07 16:55 Received: 08/25/07 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/28/07 03:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/28/07 03:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/28/07 03:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/28/07 03:14	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/28/07 03:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/07 03:14	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/28/07 03:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/28/07 03:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/28/07 03:14	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/28/07 03:14	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/28/07 03:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/28/07 03:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/28/07 03:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/28/07 03:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/28/07 03:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/28/07 03:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/28/07 03:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 03:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 03:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 03:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/28/07 03:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/28/07 03:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/28/07 03:14	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/28/07 03:14	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/28/07 03:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/07 03:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/07 03:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/28/07 03:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/28/07 03:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/28/07 03:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/28/07 03:14	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/28/07 03:14	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/28/07 03:14	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		08/28/07 03:14	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/28/07 03:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/28/07 03:14	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/28/07 03:14	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/28/07 03:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/28/07 03:14	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	103-65-1	
Styrene	ND	ug/L	1.0	1		08/28/07 03:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/07 03:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/07 03:14	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 922364

Sample: MW-7 **Lab ID: 922364001** Collected: 08/23/07 16:55 Received: 08/25/07 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/28/07 03:14	127-18-4	
Toluene	ND	ug/L	1.0	1		08/28/07 03:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/28/07 03:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/28/07 03:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/28/07 03:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/28/07 03:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/28/07 03:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/28/07 03:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/28/07 03:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/28/07 03:14	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/28/07 03:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/28/07 03:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/28/07 03:14	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/28/07 03:14	95-47-6	
4-Bromofluorobenzene (S)	104	%	87-109	1		08/28/07 03:14	460-00-4	
Dibromofluoromethane (S)	94	%	85-115	1		08/28/07 03:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	79-120	1		08/28/07 03:14	17060-07-0	
Toluene-d8 (S)	100	%	91-105	1		08/28/07 03:14	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 922364

Sample: FB-2 **Lab ID: 922364002** Collected: 08/23/07 16:50 Received: 08/25/07 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/28/07 02:50	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/28/07 02:50	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/28/07 02:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/28/07 02:50	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/28/07 02:50	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/07 02:50	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/28/07 02:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/28/07 02:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/28/07 02:50	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/28/07 02:50	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/28/07 02:50	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/28/07 02:50	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/28/07 02:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/28/07 02:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/28/07 02:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/28/07 02:50	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/28/07 02:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/28/07 02:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/28/07 02:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/28/07 02:50	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/28/07 02:50	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/28/07 02:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/07 02:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/07 02:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/28/07 02:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/28/07 02:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/28/07 02:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/28/07 02:50	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/28/07 02:50	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/28/07 02:50	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		08/28/07 02:50	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/28/07 02:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/28/07 02:50	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/28/07 02:50	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/28/07 02:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/28/07 02:50	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	103-65-1	
Styrene	ND	ug/L	1.0	1		08/28/07 02:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/07 02:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/07 02:50	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 922364

Sample: FB-2 **Lab ID: 922364002** Collected: 08/23/07 16:50 Received: 08/25/07 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/28/07 02:50	127-18-4	
Toluene	ND	ug/L	1.0	1		08/28/07 02:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/28/07 02:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/28/07 02:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/28/07 02:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/28/07 02:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/28/07 02:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/28/07 02:50	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/28/07 02:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/28/07 02:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/28/07 02:50	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/28/07 02:50	95-47-6	
4-Bromofluorobenzene (S)	105	%	87-109	1		08/28/07 02:50	460-00-4	
Dibromofluoromethane (S)	100	%	85-115	1		08/28/07 02:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	92	%	79-120	1		08/28/07 02:50	17060-07-0	
Toluene-d8 (S)	101	%	91-105	1		08/28/07 02:50	2037-26-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 922364

Sample: TB-2 **Lab ID: 922364003** Collected: 08/23/07 00:00 Received: 08/25/07 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		08/28/07 02:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		08/28/07 02:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		08/28/07 02:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		08/28/07 02:26	75-27-4	
Bromoform	ND	ug/L	1.0	1		08/28/07 02:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		08/28/07 02:26	74-83-9	
n-Butylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		08/28/07 02:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		08/28/07 02:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		08/28/07 02:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		08/28/07 02:26	67-66-3	
Chloromethane	ND	ug/L	1.0	1		08/28/07 02:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		08/28/07 02:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		08/28/07 02:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	1		08/28/07 02:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		08/28/07 02:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		08/28/07 02:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		08/28/07 02:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		08/28/07 02:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		08/28/07 02:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		08/28/07 02:26	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	1.0	1		08/28/07 02:26	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		08/28/07 02:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/07 02:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		08/28/07 02:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		08/28/07 02:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		08/28/07 02:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		08/28/07 02:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		08/28/07 02:26	563-58-6	
Diisopropyl ether	ND	ug/L	1.0	1		08/28/07 02:26	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		08/28/07 02:26	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		08/28/07 02:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		08/28/07 02:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		08/28/07 02:26	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		08/28/07 02:26	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		08/28/07 02:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		08/28/07 02:26	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	103-65-1	
Styrene	ND	ug/L	1.0	1		08/28/07 02:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/07 02:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		08/28/07 02:26	79-34-5	

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ANALYTICAL RESULTS

Project: WIX 41284
Pace Project No.: 922364

Sample: TB-2 **Lab ID: 922364003** Collected: 08/23/07 00:00 Received: 08/25/07 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260							
Tetrachloroethene	ND	ug/L	1.0	1		08/28/07 02:26	127-18-4	
Toluene	ND	ug/L	1.0	1		08/28/07 02:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		08/28/07 02:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		08/28/07 02:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		08/28/07 02:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		08/28/07 02:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		08/28/07 02:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		08/28/07 02:26	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		08/28/07 02:26	108-67-8	
Vinyl chloride	ND	ug/L	1.0	1		08/28/07 02:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		08/28/07 02:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		08/28/07 02:26	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		08/28/07 02:26	95-47-6	
4-Bromofluorobenzene (S)	105	%	87-109	1		08/28/07 02:26	460-00-4	
Dibromofluoromethane (S)	95	%	85-115	1		08/28/07 02:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	79-120	1		08/28/07 02:26	17060-07-0	
Toluene-d8 (S)	100	%	91-105	1		08/28/07 02:26	2037-26-5	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 922364

QC Batch: MSV/1128 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 922364001, 922364002, 922364003

METHOD BLANK: 8425
Associated Lab Samples: 922364001, 922364002, 922364003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,1-Trichloroethane	ug/L	ND	1.0	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	
1,1,2-Trichloroethane	ug/L	ND	1.0	
1,1-Dichloroethane	ug/L	ND	1.0	
1,1-Dichloroethene	ug/L	ND	1.0	
1,1-Dichloropropene	ug/L	ND	1.0	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	
1,2,3-Trichloropropane	ug/L	ND	1.0	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	
1,2-Dibromo-3-chloropropane	ug/L	ND	1.0	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	
1,2-Dichlorobenzene	ug/L	ND	1.0	
1,2-Dichloroethane	ug/L	ND	1.0	
1,2-Dichloroethene (Total)	ug/L	ND	1.0	
1,2-Dichloropropane	ug/L	ND	1.0	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	
1,3-Dichlorobenzene	ug/L	ND	1.0	
1,3-Dichloropropane	ug/L	ND	1.0	
1,4-Dichlorobenzene	ug/L	ND	1.0	
2,2-Dichloropropane	ug/L	ND	1.0	
2-Chlorotoluene	ug/L	ND	1.0	
2-Hexanone	ug/L	ND	5.0	
4-Chlorotoluene	ug/L	ND	1.0	
Benzene	ug/L	ND	1.0	
Bromobenzene	ug/L	ND	1.0	
Bromochloromethane	ug/L	ND	1.0	
Bromodichloromethane	ug/L	ND	1.0	
Bromoform	ug/L	ND	1.0	
Bromomethane	ug/L	ND	5.0	
Carbon tetrachloride	ug/L	ND	1.0	
Chlorobenzene	ug/L	ND	1.0	
Chloroethane	ug/L	ND	1.0	
Chloroform	ug/L	ND	1.0	
Chloromethane	ug/L	ND	1.0	
cis-1,2-Dichloroethene	ug/L	ND	1.0	
Dibromochloromethane	ug/L	ND	1.0	
Dibromomethane	ug/L	ND	1.0	
Dichlorodifluoromethane	ug/L	ND	1.0	
Diisopropyl ether	ug/L	ND	1.0	
Ethylbenzene	ug/L	ND	1.0	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	

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(704)875-9092

QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 922364

METHOD BLANK: 8425

Associated Lab Samples: 922364001, 922364002, 922364003

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	1.0	
m&p-Xylene	ug/L	ND	2.0	
Methyl-tert-butyl ether	ug/L	ND	1.0	
Methylene Chloride	ug/L	ND	2.0	
n-Butylbenzene	ug/L	ND	1.0	
n-Propylbenzene	ug/L	ND	1.0	
Naphthalene	ug/L	ND	1.0	
o-Xylene	ug/L	ND	1.0	
p-Isopropyltoluene	ug/L	ND	1.0	
sec-Butylbenzene	ug/L	ND	1.0	
Styrene	ug/L	ND	1.0	
tert-Butylbenzene	ug/L	ND	1.0	
Tetrachloroethene	ug/L	ND	1.0	
Toluene	ug/L	ND	1.0	
trans-1,2-Dichloroethene	ug/L	ND	1.0	
Trichloroethene	ug/L	ND	1.0	
Trichlorofluoromethane	ug/L	ND	1.0	
Vinyl chloride	ug/L	ND	1.0	
Xylene (Total)	ug/L	ND	2.0	
1,2-Dichloroethane-d4 (S)	%	95	79-120	
4-Bromofluorobenzene (S)	%	106	87-109	
Dibromofluoromethane (S)	%	95	85-115	
Toluene-d8 (S)	%	101	91-105	

LABORATORY CONTROL SAMPLE: 8426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.7	101	83-125	
1,1,1-Trichloroethane	ug/L	50	54.6	109	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	100	73-127	
1,1,2-Trichloroethane	ug/L	50	54.4	109	77-123	
1,1-Dichloroethane	ug/L	50	60.2	120	76-129	
1,1-Dichloroethene	ug/L	50	68.2	136	78-146	
1,1-Dichloropropene	ug/L	50	59.2	118	79-134	
1,2,3-Trichlorobenzene	ug/L	50	57.4	115	70-150	
1,2,3-Trichloropropane	ug/L	50	49.2	98	72-125	
1,2,4-Trichlorobenzene	ug/L	50	57.4	115	68-127	
1,2,4-Trimethylbenzene	ug/L	50	58.1	116	78-138	
1,2-Dibromo-3-chloropropane	ug/L	50	47.0	94	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	54.5	109	81-125	
1,2-Dichlorobenzene	ug/L	50	56.0	112	82-126	
1,2-Dichloroethane	ug/L	50	57.8	116	72-126	
1,2-Dichloroethene (Total)	ug/L	100	119	119	50-150	
1,2-Dichloropropane	ug/L	50	57.5	115	80-127	
1,3,5-Trimethylbenzene	ug/L	50	53.2	106	73-118	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 922364

LABORATORY CONTROL SAMPLE: 8426

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	53.2	106	82-124	
1,3-Dichloropropane	ug/L	50	54.9	110	79-124	
1,4-Dichlorobenzene	ug/L	50	54.4	109	79-125	
2,2-Dichloropropane	ug/L	50	54.1	108	58-140	
2-Chlorotoluene	ug/L	50	54.1	108	81-126	
2-Hexanone	ug/L	100	121	121	58-138	
4-Chlorotoluene	ug/L	50	55.2	110	82-126	
Benzene	ug/L	50	57.8	116	78-128	
Bromobenzene	ug/L	50	57.2	114	81-127	
Bromochloromethane	ug/L	50	54.4	109	73-124	
Bromodichloromethane	ug/L	50	55.2	110	81-125	
Bromoform	ug/L	50	53.1	106	71-125	
Bromomethane	ug/L	50	70.7	141	50-150	
Carbon tetrachloride	ug/L	50	59.9	120	81-137	
Chlorobenzene	ug/L	50	53.8	108	82-126	
Chloroethane	ug/L	50	51.1	102	69-140	
Chloroform	ug/L	50	56.0	112	77-129	
Chloromethane	ug/L	50	50.0	100	54-139	
cis-1,2-Dichloroethene	ug/L	50	56.4	113	76-133	
Dibromochloromethane	ug/L	50	51.3	103	77-125	
Dibromomethane	ug/L	50	55.3	111	77-125	
Dichlorodifluoromethane	ug/L	50	42.3	85	50-150	
Diisopropyl ether	ug/L	50	60.7	121	74-131	
Ethylbenzene	ug/L	50	55.4	111	80-127	
Hexachloro-1,3-butadiene	ug/L	50	61.6	123	78-145	
Isopropylbenzene (Cumene)	ug/L	50	55.6	111	84-135	
m&p-Xylene	ug/L	100	109	109	82-127	
Methyl-tert-butyl ether	ug/L	50	58.4	117	71-130	
Methylene Chloride	ug/L	50	53.6	107	67-133	
n-Butylbenzene	ug/L	50	55.2	110	73-122	
n-Propylbenzene	ug/L	50	57.2	114	82-129	
Naphthalene	ug/L	50	61.0	122	52-136	
o-Xylene	ug/L	50	54.0	108	83-124	
p-Isopropyltoluene	ug/L	50	53.8	108	73-122	
sec-Butylbenzene	ug/L	50	57.7	115	82-131	
Styrene	ug/L	50	46.4	93	80-130	
tert-Butylbenzene	ug/L	50	56.1	112	80-130	
Tetrachloroethene	ug/L	50	54.6	109	78-128	
Toluene	ug/L	50	53.2	106	76-126	
trans-1,2-Dichloroethene	ug/L	50	63.1	126	78-134	
Trichloroethene	ug/L	50	57.4	115	79-127	
Trichlorofluoromethane	ug/L	50	50.8	102	76-148	
Vinyl chloride	ug/L	50	55.3	111	67-143	
Xylene (Total)	ug/L	150	163	108	83-125	
1,2-Dichloroethane-d4 (S)	%			105	79-120	
4-Bromofluorobenzene (S)	%			98	87-109	
Dibromofluoromethane (S)	%			97	85-115	
Toluene-d8 (S)	%			101	91-105	

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QUALITY CONTROL DATA

Project: WIX 41284
Pace Project No.: 922364

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 8435 8436

Parameter	Units	922271010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	62.2	57.7	124	115	60-150	8	30	
Benzene	ug/L	27.0	50	50	87.4	86.0	121	118	74-136	2	30	
Chlorobenzene	ug/L	ND	50	50	56.0	54.9	112	110	79-135	2	30	
Toluene	ug/L	ND	50	50	54.8	54.7	110	109	73-131	.1	30	
Trichloroethene	ug/L	ND	50	50	54.6	53.5	109	107	73-131	2	30	
1,2-Dichloroethane-d4 (S)	%						94	91	79-120			
4-Bromofluorobenzene (S)	%						100	100	87-109			
Dibromofluoromethane (S)	%						91	97	85-115			
Toluene-d8 (S)	%						100	101	91-105			

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QUALIFIERS

Project: WIX 41284
Pace Project No.: 922364

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: | of |

1127240

Section A Required Client Information:

Company: ERM
Address: 498 Wando Park Blvd Ste 100, Mt. Pleasant, SC
Email To: mark.easterbrook@erm.com
Phone: 843-856-4270 Fax: 843-856-4288
Requested Due Date/TAT: 24-Hour

Section B Required Project Information:

Report To: Mark Easterbrook
Copy To: –
Purchase Order No.: 41284PL005
Project Name: Wix
Project Number: 41284

Section C Invoice Information:

Attention: Mark Easterbrook
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager: KRG
Pace Profile #: 1369-2

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: 8260B

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	8260B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	FB-2	WT	G	8/23	1650				3				3					X		002
2	MW-7	WT	G	8/23	1655				3				3					X		001
3	TB-2	WT	G	8/23	–				2				2					X		003
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

922364

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
– RUSH –	Mark Easterbrook	8/23	1730							
24-Hour TAT	ERM		1730	B. Flemer	8/25/07	9:15	5.8	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE: Mark Easterbrook / [signature]
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days

Appendix E
Boring Log and Well Record for Temporary Well TW-1

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: WIX Filtration Corporation (last) (first)
Address: 1422 Wix Rd.
City: Dillon State: SC Zip: 29536-7939
Telephone: Work: (843) 841-6876 Home:

2. LOCATION OF WELL: TW-1 **COUNTY:**
Name: WIX Filtration Corporation
Street Address:
City: 1422 Wix Rd. Zip: 29536-7939
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: **PUBLIC SYSTEM NUMBER:** TW-1

4. ABANDONMENT: ☑ Yes ☐ No
Grouted Depth: from 0 ft. to 7 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
stiff reddish brown silty CLAY	0	1.5
med. stiff brown gray silty CLAY	1.5	7
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)	3	7

5. REMARKS:
Temporary piezometer for air sparge test

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: 3116

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 8/9/07
7 ft. Date Completed: 8/9/07

10. CASING: ☑ Threaded ☐ Welded
Diam.: 2"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
2 in. to 2 ft. depth
in. to ft. depth
Height: Above ☑ Below ☐
Surface ft.
Weight lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 2"
Slot/Gauge: 0.010" Length: 5'
Set Between: 2 ft. and 7 ft.
ft. and ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL 5.20 ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
NA ft. after hrs. Pumping G.P.M.
Pumping Test: ☐ Yes (please enclose) ☐ No
Yield:

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☑ No
Installed from 0.5 ft. to 7 ft.
Effective size #2 Uniformity Coefficient

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☑ Bentonite ☐ Bentonite/Cement ☐ Other
Depth: From 0 ft. to 0.5 ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: 10 ft. NE direction
Type Voc's
Well Disinfected ☐ Yes ☑ No Type: Amount:

18. PUMP: Date installed: NA Not installed ☑
Mfr. Name: Model No.:
H.P. Volts Length of drop pipe ft. Capacity gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: Ron Yarborough **CERT. NO.:** 1413
Address: (Print) Level: A B C D (circle one) ☐ ☑ ☐ ☐
498 Wando Park Blvd. Suite 100, Mt. Pleasant, SC 29464
Telephone No.: 843-856-4270 Fax No.: 843-856-4283

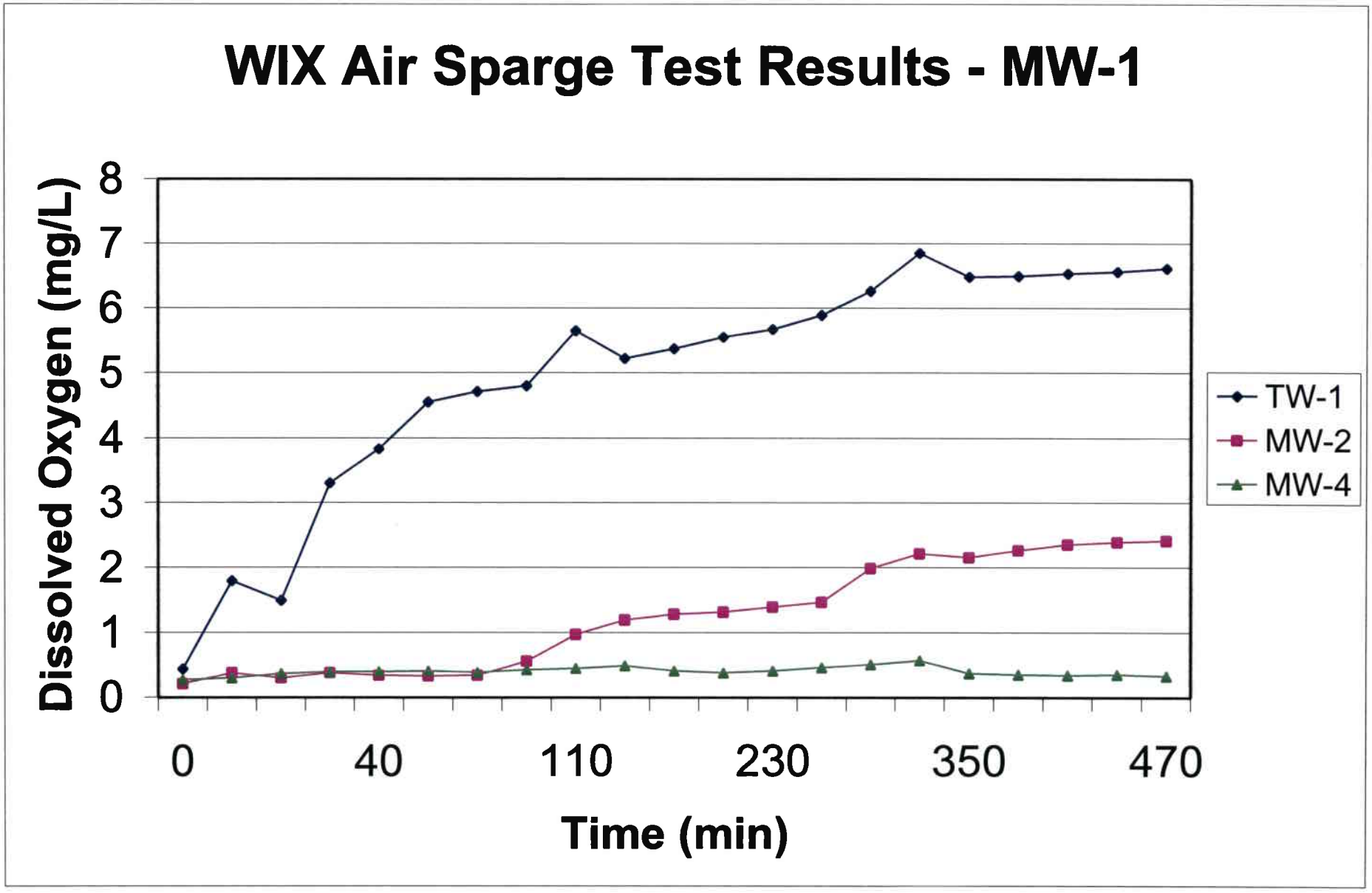
20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: Ron Yarborough Date: 8/17/07
Well Driller

If D Level Driller, provide supervising driller's name:

DHEC 1903 (07/2003) **COPY 1 MAIL TO: S.C. DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (ADDRESS ABOVE)**

Appendix F
Air-Sparge Injection Test Results


WIX Air Sparge Test Results - MW-1
Dissolved Oxygen (mg/L)
8
7
6
5
4
3
2
1
0
0
40
110
230
350
470
Time (min)
TW-1
MW-2
MW-4

ERM

DISSOLVED OXYGEN DAILY LOG

Project Number: 41284
Project Name: Affinia - Wix
Date: 8/9/07
Ambient Temperature: 85-105

Monitoring Well Location: TW-1
Page 1 of 1
Weather Conditions: clear 100's

Elapsed Time (minutes)	D.O. Reading mg/L	Observations
0	0.44	25.7°C / DTW - 5.1' BGS / TD = 6.85' BGS
10	1.79	Bubbles heavy in well.
20	1.49	"
30	~~[illegible]~~ 3.30	shaking sensor to remove bubbles.
40	3.83	
50	4.55	
60	4.71	
80	4.80	
110	5.65	
140	5.22	
170	5.37	
200	5.55	
230	5.67	
260	5.89	
290	6.26	
320	6.85	
350	6.48	
380	6.49	
410	6.53	
440	6.54	
470	6.61	

ERM

DISSOLVED OXYGEN DAILY LOG

Project Number: 41284
Project Name: Affinia - Wix
Date: 9/9/07
Ambient Temperature: 85-105

Monitoring Well Location: MW-2
Page 1 of 1
Weather Conditions: clear 100's

Elapsed Time (minutes)	D.O. Reading mg/L	Observations
0	0.21	21.4°C
10	0.38	Bubbles heard in well.
20	0.30	"
30	0.38	" slowly
40	0.34	"
50	0.33	
60	0.34	
80	0.56	
110	0.97	
140	1.19	Plug out
170	1.28	
200	1.31	.88
230	1.39	
260	1.46	
290	1.98	
320	2.21	
350	2.15	
380	2.26	
410	2.35	
440	2.39	
470	2.41	

ERM

DISSOLVED OXYGEN DAILY LOG

Project Number 41284
Project Name Affinia - Wix
Date 8/9/07
Ambient Temperature: 85-105

Monitoring Well Location MW-4
Page 1 of 1
Weather Conditions: Clear 100's

Elapsed Time (minutes)	D.O. Reading	Observations
0	0.27	26.6°C
10	0.30	No Bubbles observed.
20	0.37	"
30	0.40	
40	0.40	
50	0.41	
60	0.39	
80	0.43	
110	0.45	
140	0.49	
170	0.41	
200	0.38	
230	0.41	
260	0.46	
290	0.51	
320	0.57	
350	0.37	
380	0.35	
410	0.34	
440	0.35	
470	0.33	

Tables

Table 1: Summary of Detected Ground Water and Soil Sample Results Compared to Standards
Wix Filtration Corporation - Dillon, South Carolina
The Affinia Group, Inc.

Compounds and Constituents	Standards in µg/L		Ground Water Sample Results in µg/L					
	MCL	PRG	August 8, 2007					August 23, 2007
			MW-1	MW-2	MW-3	MW-4	MW-7	MW-7 Re-Sample
Benzene	5	0.35	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	61	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (Total)	170	181	ND	ND	ND	ND	ND	ND
Ethylbenzene	700	1,300	ND	ND	ND	ND	ND	ND
2-Hexanone	NE	NL	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NE	660	ND	ND	ND	ND	ND	ND
Toluene (water in µg/L)	1,000	720	**260,000**	**31,100**	**142,000**	**169,000**	59.7	ND
Toluene (soil in µg/kg)	--	520,000	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NE	12	ND	ND	ND	ND	ND	ND
Xylene (Total)	10,000	210	ND	ND	ND	ND	ND	ND
m&p-Xylene	NE	NL	ND	ND	ND	ND	ND	ND
o-Xylene	NE	NL	ND	ND	ND	ND	ND	ND
Total VOCs	--	--	260,000	31,100	142,000	169,000	59.7	0.0

Notes:

= Results above MCL comparative standard for ground water

= Results above PRG comparative standard for soil

µg/L = Micrograms per Liter

E = Analyte concentration from TW-1 exceeded the calibration range and the result is reported by the laboratory as an estimate.

PQL = Practical Quantitation Limit - SW 846 EPA Method 8260B generally 10 times the MDL

MCL = Maximum Contaminant Level is the highest level that is allowed in drinking water according to South Carolina Class GB Ground Water Standards

PRG = Residential Preliminary Remediation Goal - EPA Region IX from October 2004

NL = Not listed in EPA Region IX PRG table from October 2004

NE = Not established in South Carolina Class GB Ground Water Standards or EPA National Primary or Secondary Drinking Water Standards

ND = Not detected above reporting limit

DUP-1 = Duplicate sample for MW-3

EB-1 = Equipment Blank

FB-1, FB-2 = Field Blank

Laboratory Analysis by Pace Analytical Laboratories of Huntersville, NC for EPA Method 8260B

Table 1: Summary of Detected Ground Water and Soil Sample Results Compared to Standards
Wix Filtration Corporation - Dillon, South Carolina
The Affinia Group, Inc.

Compounds and Constituents	Standards in µg/L		Ground Water Sample Results in µg/L					Soil Sample Results in µg/kg
	MCL	PRG	August 8, 2007			August 23, 2007		August 8, 2007
			DUP-1	EB-1	FB-1	FB-2	TB-2	TW-1
Benzene	5	0.35	**25.3**	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	70	61	2.3	ND	ND	ND	ND	ND
1,2-Dichloroethene (Total)	170	181	2.3	ND	ND	ND	ND	ND
Ethylbenzene	700	1,300	28.5	ND	ND	ND	ND	ND
2-Hexanone	NE	NL	5.7	ND	ND	ND	ND	ND
Isopropylbenzene	NE	660	16.3	ND	ND	ND	ND	ND
Toluene (water in µg/L)	1,000	720	**132,000**	ND	ND	ND	ND	ND
Toluene (soil in µg/kg)	--	520,000	--	--	--	--	--	**7,970,000[E]**
1,2,4-Trimethylbenzene	NE	12	**134**	ND	ND	ND	ND	ND
Xylene (Total)	10,000	210	86.4	ND	ND	ND	ND	ND
m&p-Xylene	NE	NL	39.7	ND	ND	ND	ND	ND
o-Xylene	NE	NL	46.7	ND	ND	ND	ND	ND
Total VOCs	--		132,300.8	0	0	0	0	7,970,000

Notes:

= Results above MCL comparative standard for ground water
= Results above PRG comparative standard for soil

µg/L = Micrograms per Liter
E = Analyte concentration from TW-1 exceeded the calibration range and the result is reported by the laboratory as an estimate.
PQL = Practical Quantitation Limit - SW 846 EPA Method 8260B generally 10 times the MDL
MCL = Maximum Contaminant Level is the highest level that is allowed in drinking water according to
PRG = Residential Preliminary Remediation Goal - EPA Region IX from October 2004
NL = Not listed in EPA Region IX PRG table from October 2004
NE = Not established in South Carolina Class GB Ground Water Standards or EPA National Primary or Secondary Drinking Water Standards
ND = Not detected above reporting limit
DUP-1 = Duplicate sample for MW-3
EB-1 = Equipment Blank
FB-1, FB-2 = Field Blank

Laboratory Analysis by Pace Analytical Laboratories of Huntersville, NC for EPA Method 8260B

Table 2: ***Historical Summary of Ground Water Analytical Data***
Wix Filtration Corporation - Dillon, South Carolina
The Affinia Group, Inc.

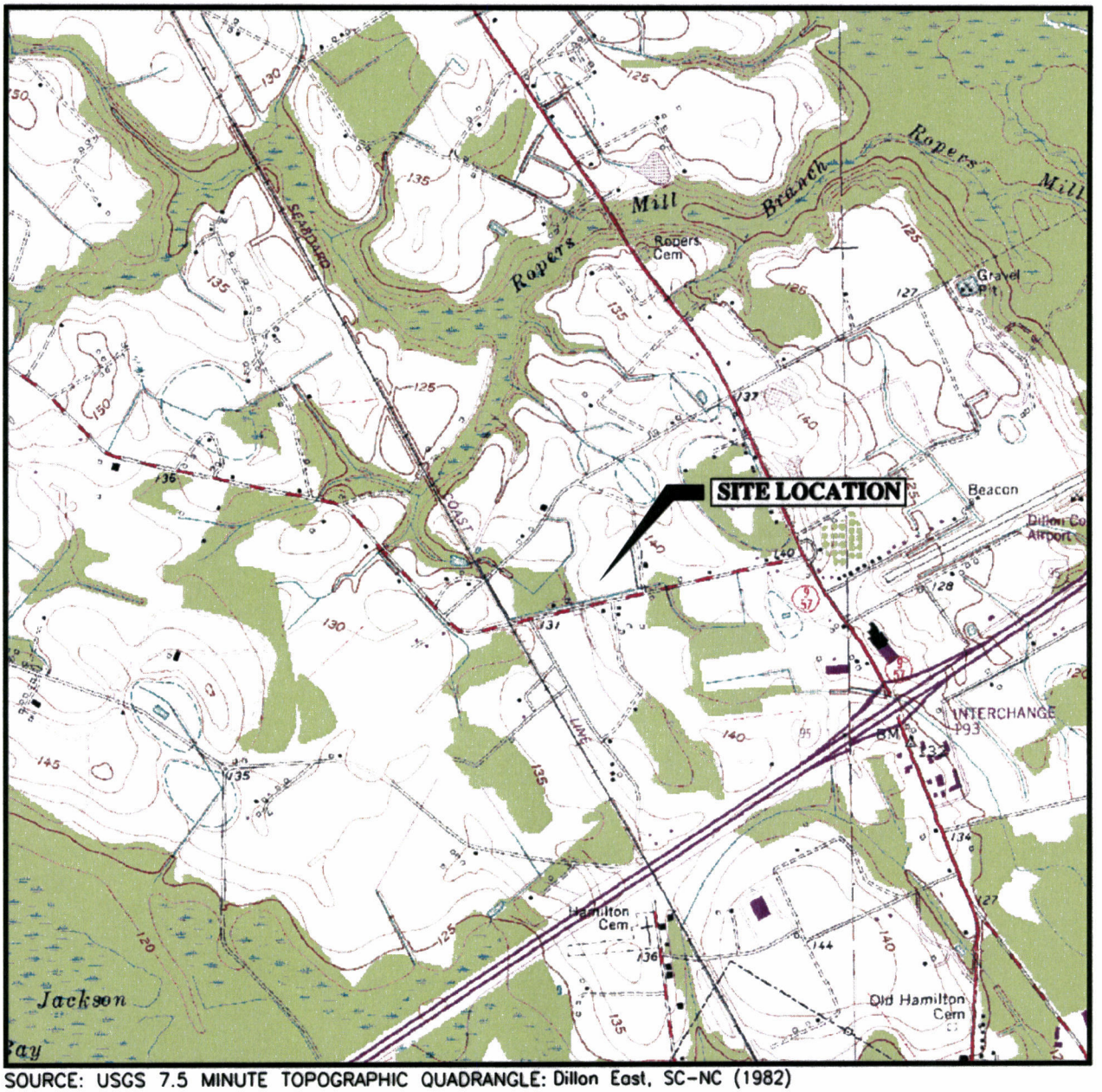
Sample Location	Sample Date	Volatile Organic Compounds - EPA Method 8260 (µg/L)																						
		Acetone	Benzene	2-Butanone	Chloroethane	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)	1,1-Dichloroethane	1,1-Dichloroethene	Ethylbenzene	2-Hexanone	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trichloroethene	Tetrachloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	m&p-Xylene	o-Xylene	Total VOCs
South Carolina Ground Water Standard (MCL)		**NA**	**5**	**NA**	**NA**	**70**	**170**	**NA**	**7**	**700**	**NA**	**NA**	**NA**	**NA**	**1,000**	**5**	**5**	**NA**	**NA**	**200**	**10,000**	**NA**	**NA**	
MW-1	05/25/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	340,000	ND	ND	ND	ND	ND	230	ND	ND	340,230
MW-1	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	260,000	ND	ND	ND	ND	ND	ND	ND	ND	260,000
MW-2	05/24/06	ND	21	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	11,000	ND	ND	ND	ND	ND	2.8	2.4	ND	11,029.2
MW-2	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31,100	ND	ND	ND	ND	ND	ND	ND	ND	31,100
MW-3	05/24/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210,000	ND	ND	2,100	ND	ND	ND	ND	ND	212,100
DUP-1 (MW-3)	05/24/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	220,000	ND	ND	2,100	ND	ND	ND	ND	ND	222,100
MW-3	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	142,000	ND	ND	ND	ND	ND	ND	ND	ND	142,000
DUP-1 (MW-3)	08/08/07	ND	25.3	ND	ND	2.3	2.3	ND	ND	28.5	5.7	16.3	ND	ND	132,000	ND	ND	134	ND	ND	86.4	39.7	46.7	132,387.2
MW-4	05/24/06	27	27	6.6	ND	4.8	5.1	ND	ND	3.4	ND	ND	ND	1.1	41,000	ND	ND	ND	1.6	ND	9.3	4.1	5.2	41,095.2
MW-4	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	169,000	ND	ND	ND	ND	ND	ND	ND	ND	169,000
MW-5	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-6	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-7	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
DUP-1 (MW-7)	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-7	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.7	ND	ND	ND	ND	ND	ND	ND	ND	59.7
MW-7	08/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-8	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
MW-9	01/04/07	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	4.70
TW-1	11/18/05	ND	54.1	ND	3.43	3.93	ND	13.9	8.02	39.3	ND	ND	1.88	2.58	140,000	ND	ND	ND	ND	7.52	30.1	ND	ND	140,164.76
TW-2	11/18/05	ND	23.7	ND	ND	2.68	ND	ND	ND	13.8	ND	2.8	3.75	6.49	7,610	ND	ND	28.4	6.64	ND	13	ND	ND	7,711.26
TW-3	11/18/05	ND	55	ND	ND	9.15	ND	1.39	1.51	21.9	ND	5.9	1.03	9.85	184,000	ND	1.26	61.1	12.7	ND	44.2	ND	ND	184,224.99
DUP-1 (TW-3)	11/18/05	51.6	57.8	ND	ND	13.3	ND	ND	ND	43.4	ND	12.8	2.48	24.1	184,000	ND	2.07	137	32.3	ND	88.7	ND	ND	184,465.55

Table 2: ***Historical Summary of Ground Water Analytical Data***
Wix Filtration Corporation - Dillon, South Carolina
The Affinia Group, Inc.

Sample Location	Sample Date	Volatile Organic Compounds - EPA Method 8260 (µg/L)																						
		Acetone	Benzene	2-Butanone	Chloroethane	cis-1,2-Dichloroethene	1,2-Dichloroethene (Total)	1,1-Dichloroethane	1,1-Dichloroethene	Ethylbenzene	2-Hexanone	Isopropylbenzene	p-Isopropyltoluene	n-Propylbenzene	Toluene	Trichloroethene	Tetrachloroethene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,1,1-Trichloroethane	Xylene (Total)	m&p-Xylene	o-Xylene	Total VOCs
South Carolina Ground Water Standard (MCL)		**NA**	**5**	**NA**	**NA**	**70**	**170**	**NA**	**7**	**700**	**NA**	**NA**	**NA**	**NA**	**1,000**	**5**	**5**	**NA**	**NA**	**200**	**10,000**	**NA**	**NA**	
EB-1	11/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.41	ND	ND	ND	ND	ND	ND	ND	ND	1.41
EB-1	05/25/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
EB-1	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
EB-1	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
FB-1	11/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
FB-1	05/25/06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
FB-1	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
FB-1	08/08/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
FB-2	08/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
TB-1	11/18/05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.73	ND	ND	ND	ND	ND	ND	ND	ND	2.73
TB-1	01/04/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0
TB-2	08/23/07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0

Notes:
ND = Not detected above analytical method quantitation limit
µg/L = Micrograms per Liter
DUP = Duplicate
MCL = Maximum Contaminant Level

Figures



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: Dillon East, SC-NC (1982)

SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

CONTOUR INTERVAL 5 FEET

NATIONAL GEODETIC VERTICAL DATUM OF 1929

SOUTH CAROLINA

QUADRANGLE LOCATION

N W E S

FIG1.DWG 02-17-06 1=1 DDP REV

Q:\2006 ACAD\WIX DILL-41284\FIG1.dwg, 02/28/2006 02:35:14 PM, 1:1

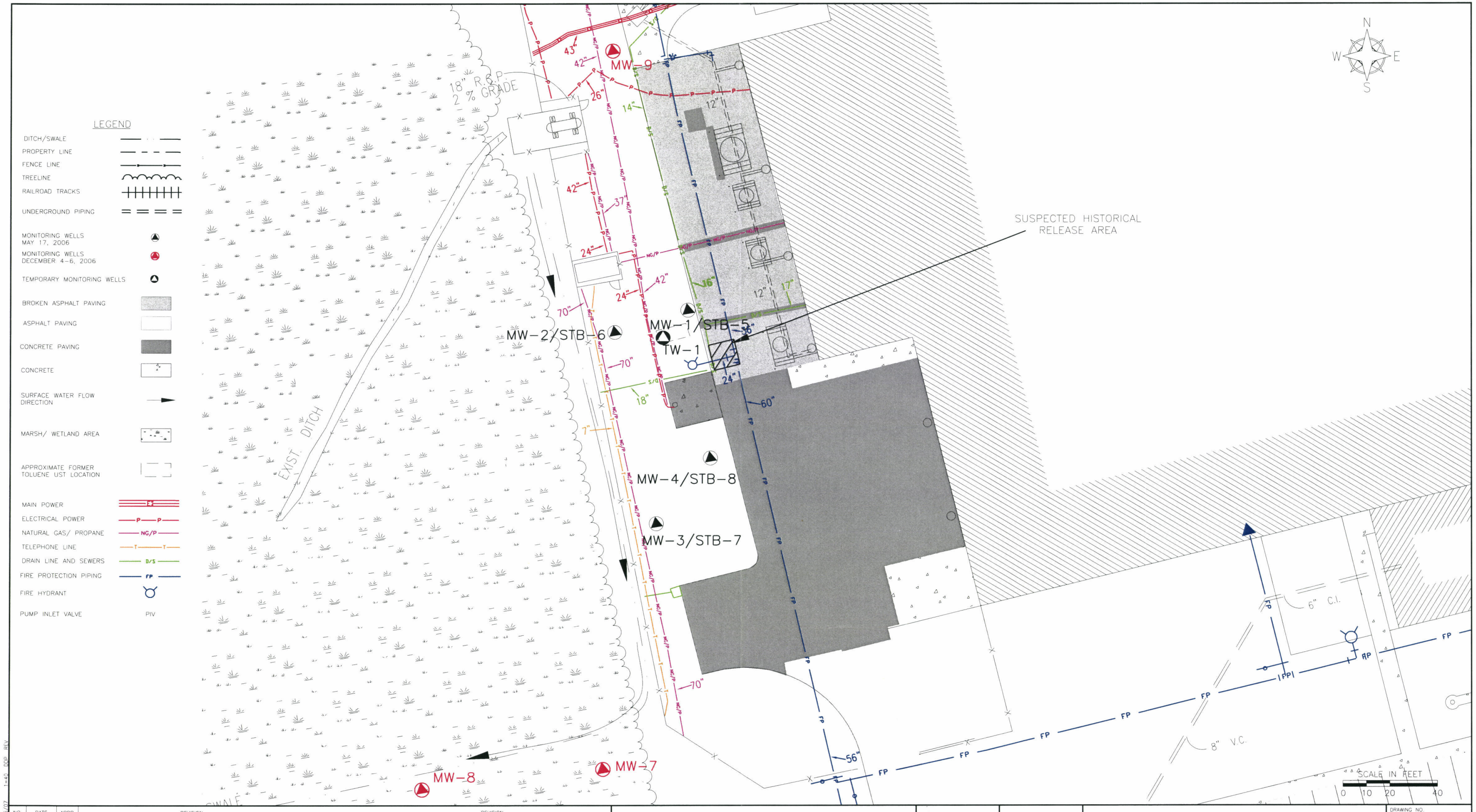
Environmental Resources Management

ERM

SITE LOCATION MAP
WIX FILTRATION CORPORATION
AFFINIA GROUP, INC.
DILLON, SOUTH CAROLINA

FIGURE

1



NO.	DATE	APPR.	REVISION	REVISION

WIX FILTRATION CORPORATION

AFFINIA GROUP INC. — DILLON, SOUTH CAROLINA

DRAWN BY: DDP	PROJECT ENGINEER: MCE
DESIGN ENGINEER: –	PROJECT MANAGER: MCE

ERM

NOT FOR CONST-RUCTION

BASEMAP SHOWING SURVEYED SUB-SURFACE UTILITIES WITH DEPTHS AND MONITORING WELLS

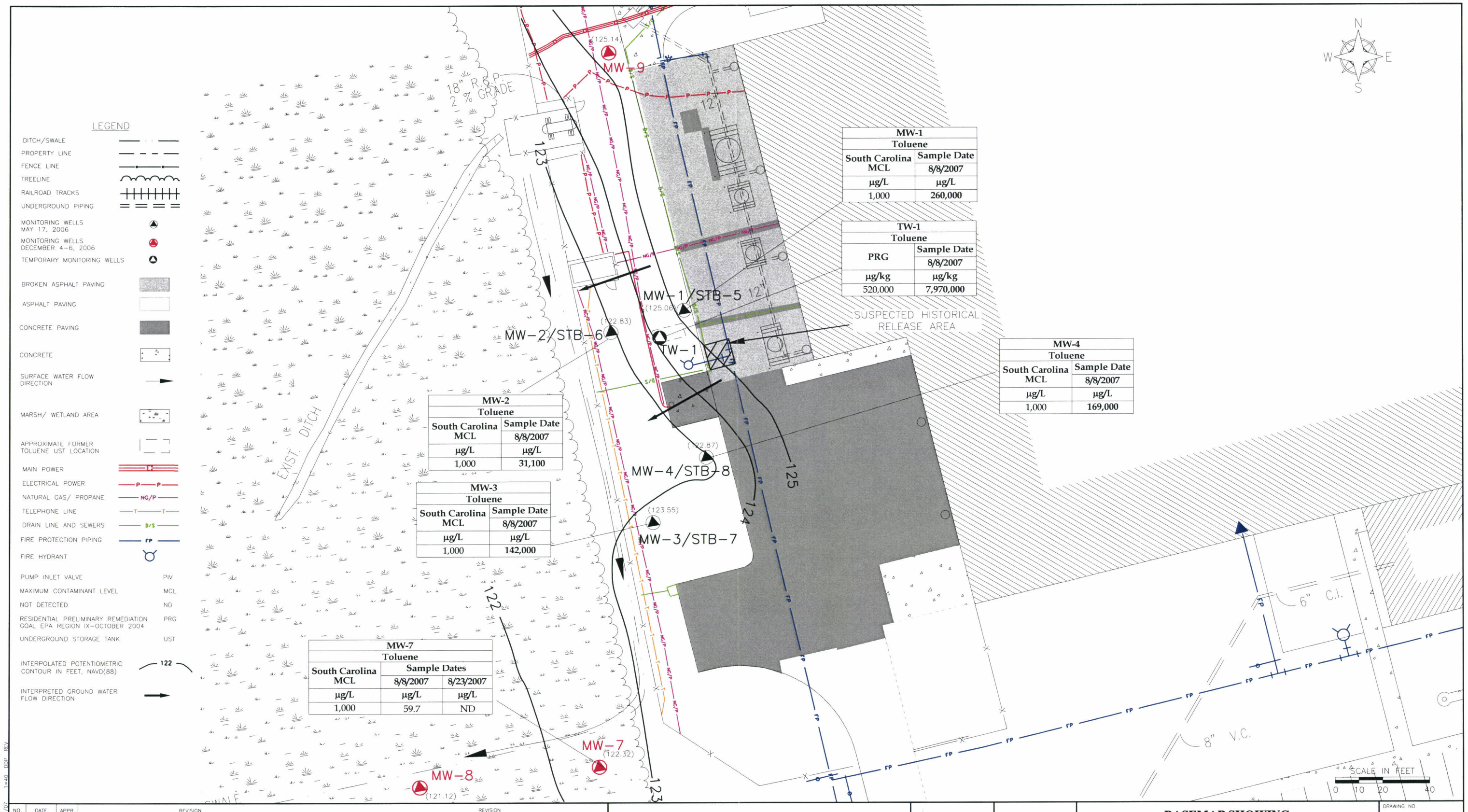
SCALE: 1"=40'	DATE: JUNE 2007
PROJECT NO.: 41284	AutoCAD 2007: 07-06-BASEMAP-01

DRAWING NO. 2

REV. NO.

SHEET 1 OF 1

07-06-BASEMAP-01.DWG 6/07 1=40 DDP REV.



MW-1	
Toluene	
South Carolina MCL	Sample Date
	8/8/2007
µg/L	µg/L
1,000	260,000

TW-1	
Toluene	
PRG	Sample Date
	8/8/2007
µg/kg	µg/kg
520,000	7,970,000

MW-4	
Toluene	
South Carolina MCL	Sample Date
	8/8/2007
µg/L	µg/L
1,000	169,000

MW-2	
Toluene	
South Carolina MCL	Sample Date
	8/8/2007
µg/L	µg/L
1,000	31,100

MW-3	
Toluene	
South Carolina MCL	Sample Date
	8/8/2007
µg/L	µg/L
1,000	142,000

MW-7		
Toluene		
South Carolina MCL	Sample Dates	
	8/8/2007	8/23/2007
µg/L	µg/L	µg/L
1,000	59.7	ND

NO.	DATE	APPR.	REVISION	REVISION

WIX FILTRATION CORPORATION

AFFINIA GROUP INC. — DILLON, SOUTH CAROLINA

DRAWN BY: DDP
DESIGN ENGINEER: –
PROJECT ENGINEER: MCE
PROJECT MANAGER: MCE

ERM

NOT FOR CONST-RUCTION

BASEMAP SHOWING TEMPORARY PIEZOMETER LOCATION AND AUGUST 2007 TOLUENE CONCENTRATIONS

SCALE: 1"=40'
DATE: 8/27/2007
PROJECT NO.: 41284
AutoCAD 2007: 07-08-TBL-01

DRAWING NO.: 3
REV. NO.:
SHEET 1 OF 1

07-08-PDT-01.DWG 8/29/07 1=40 DDP REV