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2005 Groundwater Performance Monitoring Report

Corrective Action Management Unit

Wabash Aluminum Alloys, L.L.C.
East Syracuse, New York

C&S COMPANIES ENGINEERS

August 2006

2005 Groundwater Performance Monitoring Report

Corrective Action Management Unit

Wabash Aluminum Alloys, L.L.C.
East Syracuse, New York

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DESIGN BUILD
TECHNICAL RESOURCES
OPERATIONS

August 2005

C&S COMPANIES
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OPERATIONS

C&S Engineers, Inc.
499 Col. Eileen Collins Boulevard
Syracuse, NY 13212
phone 315-455-2000
fax 315-455-9667
www.cscos.com

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NYSDEC
AUG 15 2006
Bureau of Hazardous Waste &
Radiation Management
Division of Solid & Hazardous Materials

TRANSMITTAL

To: New York State Department of Environmental Conservation
Bureau of Solid and Hazardous Materials
625 Broadway, 8th Floor
Albany, New York 12233-7252

Re: Wabash Aluminum Alloys, LLC
Former East Syracuse Facility
Corrective Action Management Unit

File: 868.010.001

Attn: Mr. Stephen Condon

Date: August 11, 2006

We are sending you herewith: The 2005 Groundwater Performance Monitoring Report for the Corrective Action Management Unit at above-referenced site.

If enclosed are not as noted, please notify us at once.

C&S ENGINEERS, INC.

Thomas A. Barba
Manager, Remediation and Compliance

Cc: Michael E. Kellogg, Connell Limited Partnership

2005
Annual Report
Groundwater Performance Monitoring

Corrective Action Management Unit

Wabash Aluminum Alloys, L.L.C.
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August 2006

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WABASH ALUMINUM ALLOYS, LLC – SYRACUSE FACILITY
CORRECTIVE ACTION MANAGEMENT UNIT
2005 GROUNDWATER PERFORMANCE MONITORING REPORT
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1.0 INTRODUCTION

1.1 General

This document provides the 2005 annual summary of groundwater conditions associated with the Corrective Action Management Unit (CAMU) at the former Wabash Aluminum Alloys, LLC facility at 6223 Thompson Road, East Syracuse, Onondaga County, New York. This report is submitted consistent with the Operations and Maintenance Plan for the CAMU, which was submitted by Roth Brothers Smelting, Inc. and approved by the New York State Department of Environmental Conservation (NYSDEC) in June 1997. Several revisions to the Sampling and Analysis Plan (SAP[Appendix D to the Operations and Maintenance Plan]) were incorporated in 2002, at the request of NYSDEC. The CAMU groundwater performance monitoring consists of activities designed to:

- Determine the presence and extent of chemical constituents associated with the CAMU within the overburden groundwater in the CAMU area;
- Characterize shallow groundwater flow direction and gradients within the CAMU area; and
- Continue the comprehensive approach to assessing and mitigating water quality impacts at the facility.

1.2 Previous Site Groundwater Investigations

The CAMU Groundwater Performance Monitoring Program was initiated in June 1998. In addition to this program, a year-long comprehensive site groundwater investigation culminated in the issuance of an August 2001 Groundwater Investigation Report for the site. The Groundwater Investigation included the following components:

- Inspection and rehabilitation, if required, of existing monitoring wells;
- Monitoring well installations and development;
- Hydraulic conductivity testing;
- Monthly and quarterly groundwater monitoring and sampling;
- Report preparation and submittal.

At the request of the NYSDEC, one of the monitoring wells installed during the Groundwater Investigation (MW-8R) has been maintained and included in the quarterly CAMU monitoring program.

1.3 Facility Description and Background

The Wabash Aluminum Alloys Syracuse, New York facility ceased business operations in June 2002. Before ceasing operations, Wabash produced specification aluminum ingot from various types of aluminum scrap by melting, refining, and casting processes. The facility's environs have been, and continue to be, primarily industrial. Figure 1 shows the property lines of the facility, the locations of the two principal facility buildings (Plant No. 1 and Plant No. 2). The asphalt-paved CAMU area is located north of Plant No. 2. The locations of all site monitoring wells, including the wells associated with CAMU groundwater performance monitoring, are included on Figure 1.

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2.0 CAMU GROUNDWATER PERFORMANCE MONITORING

Analytical data generated from the CAMU groundwater sampling have been reported to NYSDEC as they have become available, along with any pertinent information regarding the presence or conditions of monitoring wells. Prior to June 2005, groundwater sampling was conducted on a quarterly basis; beginning in June 2005, groundwater sampling frequency has been reduced to semi-annual. This section, with associated tables and figures, provides a summary through the end of 2005 of the CAMU Groundwater Performance Monitoring.

2.1 Monitoring Well Inspection

At present, the following monitoring wells are sampled as part of the CAMU Groundwater Performance Monitoring Program:

B291	B281	B290	B107	B108
B401	B402R	B403	B404	MW-8R

Figure 1 presents the locations of monitoring wells utilized in the CAMU Groundwater Performance Monitoring Program. During each monitoring event, the initial activity is to conduct a field inspection of the existing wells. Over the course of time, several CAMU Groundwater Performance Monitoring Program monitoring wells have been inadvertently damaged or destroyed, including:

- Monitoring well B280, located north of the CAMU, was destroyed in September, 2000. Based on its adjacent location, monitoring well B291 replaced monitoring well B280;

- Between the June 2004 and September 2004 sampling events, monitoring well B402 was destroyed. Monitoring well B402R was installed in November 2005 and began to be sampled for the December 2005 sampling event; and

- Monitoring well MW-8, installed as part of the 2001 Groundwater Investigation, was destroyed during construction of subsequent scrapyard improvements. Subsequently, monitoring well MW-8R was installed adjacent to the MW-8 location for inclusion in the CAMU Groundwater Performance Monitoring Program.

2.2 Groundwater Gauging and Sampling

This section provides field and laboratory protocols followed during the groundwater sampling events conducted under the CAMU Groundwater Performance Monitoring

Program. Table 1 provides a summary of the sampling frequency and the analytical parameters for each monitoring well during the program.

Groundwater Gauging

Prior to groundwater sampling of the monitoring wells, the static water level of each monitoring well was gauged using an electronic water level sensor capable of measuring to an accuracy of ± 0.01 foot. The water level probe was decontaminated between wells by washing in an Alconox™/water solution and rinsing with distilled water.

Gauging these wells was conducted to facilitate preparation of groundwater contour maps for the facility, as well as to provide data associated with recharge at the individual well locations. Table 2 provides the static water level elevations for each monitoring well over the course of the 2005 sampling events, along with the surveyed reference elevation for each well. The location of each monitoring well is shown on Figure 1. The Field Sampling Logs for each of the sampling events are included in Appendix A.

Groundwater Contour Maps

Figures 2 and 3 depict the groundwater contours developed from the groundwater surface elevations measured during the June 2005 and December 2005 sampling events, respectively. The summary groundwater surface elevation data for 2005 (Table 2) indicate minimal seasonal variation in groundwater levels over the three 2005 sampling events. Based on review of groundwater surface elevation data from this investigation, as well as of historical data, these contours generally represent typical seasonal groundwater flow patterns for the Wabash facility. Figures 2 and 3 indicate that the general groundwater flow direction at the facility is to the northeast, toward the South Branch of Ley Creek.

Groundwater Sampling and Analysis

Each monitoring well was purged prior to sampling. Water surface elevations and indicator groundwater parameters of pH and specific conductance were measured prior to purging and following recharge. Consistent with the 2002 revisions to the SAP, purging of monitoring wells was conducted using a low-flow peristaltic pump with dedicated tubing at each location. Purging continued until a minimum of three well volumes were removed or until the well was bailed dry twice and each of the above-listed indicator groundwater parameters stabilized to within 10% of the previous measurement.

Groundwater samples were collected after purging and recharge. Groundwater samples were collected with a new disposable bailer. The samples were collected and placed into clean containers by field technicians working for Upstate Laboratories, Inc. (Upstate). Upstate, which is certified by the New York State Department of Health for the analyses required, also completed the laboratory analyses for this project.

All PCBs analyses were conducted utilizing USEPA Method 8082, with an MDL of less than 0.065 ug/l (ppb). Samples were packed on ice and kept at 4°C or less until delivered to the laboratory. A turnaround time of two weeks was utilized for laboratory reporting of analytical results.

Table 3 provides the summary analytical data for PCBs and total and dissolved lead for the monitoring wells included in this program. Table 3 also provides pH and specific conductivity data. Table 4 provides the data for total and dissolved Barium and Arsenic. Appendix B includes the laboratory data sheets for all laboratory analyses associated with this groundwater investigation.

2.3 Quarterly and Semi-Annual Reports

Data resulting from quarterly and semi-annual groundwater sampling were submitted to NYSDEC as those results became available. The submittals included a summary table presenting the analytical results generated. The dates of the 2005 sampling events were:

- March 4, 2005;
- June 17, 2005; and
- December 15, 2005

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3.0 RESULTS AND CONCLUSIONS

This section provides a summary of field data, and analytical results from the CAMU Groundwater Performance Monitoring Program, along with conclusions regarding groundwater quality.

3.1 Groundwater Quality

Data on Tables 3 and 4 are highlighted, as appropriate, to indicate detected concentrations that exceed the following NYSDEC Class GA Groundwater Standards:

Parameter	Units	Class GA Standard
pH	s.u.	NA
Lead	mg/l	0.025
Arsenic	mg/l	0.025
Barium	mg/l	1.00
Aroclor 1016	ug/l	0.09*
Aroclor 1221	ug/l	0.09*
Aroclor 1232	ug/l	0.09*
Aroclor 1242	ug/l	0.09*
Aroclor 1248	ug/l	0.09*
Aroclor 1254	ug/l	0.09*
Aroclor 1260	ug/l	0.09*

Note: NA = no Class GA Standard for this parameter
* = the PCB limit applies to the total for all aroclors.

For the parameter that does not have a listed Class GA Standard, the surface water discharge limit from the facility's SPDES permit (6.5-8.5 s.u. for pH) is utilized for purposes of discussion. The following sections summarize the analytical data collected during the 2005 CAMU Groundwater Performance Monitoring.

pH

None of the CAMU Groundwater Performance Monitoring wells exhibited pH measurements outside the range utilized for comparison (6.5 – 8.5 standard units) during 2005.

PCBs

Monitoring well MW-8R, exhibited levels of PCB aroclor 1254 that exceeded the Class GA Groundwater Standard (0.09 ug/l) in all three of the 2005 samples collected. The PCB concentrations ranged from 3.3 ug/l (June 2005 sampling) to 0.63 ug/l (December 2005). Monitoring well B402R, installed in November 2005 as a replacement well for monitoring well B402 (destroyed during 2004) exhibited a concentration of 1.2 ug/l for

PCB aroclor 1254 during the December 2005 sampling event. None of the other CAMU Groundwater Performance Monitoring wells exhibited detectable concentrations of any PCB aroclor during the 2005 sampling period.

Total and Dissolved Lead

Monitoring well B402R exhibited a total lead concentration of 0.26 mg/l in the December 2005 sample. None of the other CAMU Groundwater Performance Monitoring wells exhibited total lead concentrations exceeding the 0.025 mg/l Class GA Groundwater Standard during the 2005 sampling. None of the CAMU Groundwater Performance Monitoring wells exhibited dissolved lead concentrations exceeding the Class GA Groundwater Standard during the June 2005 sampling event.

Total and Dissolved Barium

The data on Table 4 indicate that none of the CAMU Groundwater Performance Monitoring wells exhibited total or dissolved Barium concentrations exceeding the Class GA Groundwater Standard during the 2005 annual sampling event.

Total and Dissolved Arsenic

The data on Table 4 indicate that neither of the two CAMU Groundwater Performance Monitoring wells (B281 and B291) for which Arsenic sampling is required exhibited total or dissolved Arsenic concentrations exceeding the Class GA Groundwater Standard during the June 2005 sampling event.

3.2 Conclusions and Future Sampling

The field measurements and laboratory analytical data generated during the 2005 CAMU Groundwater Performance Monitoring Program indicate concentrations of the target parameters generally consistent with those exhibited in preceding years. The only data representing a deviation from historical data were the PCB aroclor 1254 and total Lead results for monitoring well B402R. Those data indicate concentrations greater than Class GA Standards for those two parameters. As this was the initial monitoring event for this well, those data may represent the presence of fines within the well, remaining from the well installation. The dissolved lead result for B402R (0.001 ug/l) supports that premise. Data from all other wells indicate that the chemical constituents associated with the CAMU have not impacted groundwater in the area and that groundwater from upgradient is not adversely impacting groundwater near the CAMU.

Wabash will continue to conduct semi-annual monitoring of the designated monitoring wells pending NYSDEC Division of Hazardous Materials conclusions regarding the need for continuation of this program. The June 2006 sampling has been conducted and the

results will be transmitted to NYSDEC when they become available. The next semi-annual sampling effort is scheduled for December 2006.

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Table(s)

TABLES

TABLE 1
WABASH ALUMINUM ALLOYS, LLC – SYRACUSE FACILITY
CAMU GROUNDWATER PERFORMANCE MONITORING
2005 SAMPLING SCHEDULE

Sampling Frequency	Analyte	Analytical Method	Quantitation Limit (ug/l)	Sampling Locations (1)	No. of Samples	No. and type of QA/QC Samples(2)
Annually	As (total and soluble)	6010	4	B281, B291	2	1MS 1FB 1D 1EB
	Ba (total and soluble)	6010	300	B107, B108, B281	3	
Semi-annually	Pb (total and soluble)	6010	2	B281,B290, B291, B401, B403, B404, MW-8R	7	
	PCBs	8082	0.05	B281,B290, B291, B401, B403, B404, MW-8R	7	1MS, 1MSD, 1D

Notes: (1) Locations of Monitoring Wells Are Provided on Figure 1
(2) QA/QC Sample Designations (collected when Category B deliverables are required):
D = Duplicate
MS = Matrix Spike
MSD = Matrix Spike Duplicate
EB = Equipment Blank
FB = Filter Blank

Table 2
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
2005 Groundwater Surface Elevations

Monitoring Well	Reference Elevation	2005 Groundwater Surface Elevations		
		4-Mar	17-Jun	15-Dec
B107	410.61	NS	409.29	NS
B108	411.8	NS	409.5	NS
B291	408.11	404.43	404.2	404.56
B281	423.39	418.95	419.12	419.1
B290	414.61	409.39	409.29	409.66
B401	413.54	407.63	406.54	407.66
B402R	409.44	NA	NA	406.82
B403	411.05	408.25	407.99	408.36
B404	410.77	406.79	407.43	406.73
MW-8R	415.3	412.06	412.49	412.12

NS = Not Sampled

Table 3
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
Lead, pH, Conducivity, and PCBs Data for All Sampling Events Through June 2006

Parameters ->		Lead (total)	Lead (soluble)	pH	Specific Conduct.	Aroclors 1016	1221	1232	1242	1248	1254	1260
Units ->		mg/l	mg/l	Std. Units	us/cm	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Class GA Standards ->		0.025	0.025	6.5-8.5	na	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*
B107	Jun-00			7.46	1,046	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.10
	Jul-00			7.57	916	<0.05	<0.05	<0.05	<0.05	<0.05	0.086	<0.05
	Aug-00			7.81	920	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-00			7.34	980	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Oct-00			7.68	834	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Nov-00			7.87	640	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Feb-01			7.71	608	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Apr-01			7.82	960	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	May-01			7.63	1,107	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-02			7.44	947							
	Dec-03			8.82	644							
	Mar-04			7.81	543							
	Jun-05			7.65	623							
B108	Jul-00			7.21	2,620	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Aug-00			7.33	2,750	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-00	0.002	0.001	7.27	2,510	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Oct-00			7.26	2,520	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Nov-00			7.00	2,210	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-00	0.004	<0.001	7.22	2,180	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Jan-01			7.19	2,176	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Feb-01			7.74	2,110	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Mar-01	<0.001	<0.001	7.01	2,100	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Apr-01			6.98	2,350	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	May-01			7.01	1,680	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-02			7.08	254							
	Dec-03			8.52	1,663							
	Mar-04			7.55	1,546							
	Jun-05			7.44	1,919							
B280**	Jun-98	0.0036	<0.002	7.06	801	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	1999	0.089	<0.01	6.24	893	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
x	Jun-00	0.002	0.002	6.86	1,056	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
B291**	Sep-00	0.007	0.001	7.31	877	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-00	0.001	0.001	7.24	848	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Mar-01	0.003	<0.001	7.01	752	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Jun-02	<0.001	<0.001			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-02	0.002	<0.001	7.4	1,134	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Mar-03	0.002	<0.001	7.37	800	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Jun-03	0.003	0.001	7.38	1,213	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-03	<0.001	<0.001	7.21	898	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-03	0.008	0.002	8.61	804	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 3
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
Lead, pH, Conducivity, and PCBs Data for All Sampling Events Through June 2006

	Parameters ->		Lead (total)	Lead (soluble)	pH	Specific Conduct.	Aroclors						
							1016	1221	1232	1242	1248	1254	1260
	Units ->		mg/l	mg/l	Std. Units	us/cm	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Class GA Standards ->		0.025	0.025	6.5-8.5	na	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*
		Mar-04	0.002	<0.001	7.31	860	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-04	0.001	<0.001	7.53	1,167	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-04	0.003	<0.001	7.21	746	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-04	0.001	<0.001	7.10	958	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Mar-05	<0.001	<0.001	7.18	996	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-05	0.002	0.001	7.36	813	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-05	0.002	<0.001	7.23	971	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-06	<0.003	<0.003	7.09	656	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
x	B281	Jun-98	<0.002	<0.002	6.53	2,690							
		1999	<0.01	<0.01	7.47	3,120	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		Jun-00	<0.001	<0.001	6.72	2,630	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-00	<0.001	<0.001	7.02	2,560	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-00	<0.001	<0.001	7.28	1,956	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-01	<0.001	<0.001	7.24	2,020	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-02	<0.001	<0.001									
		Sep-02	<0.001	<0.001	6.86	3,000							
		Dec-02	<0.001		7.03	2,060	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-03	<0.001	<0.001	7.27	1,063	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-03	0.001	<0.001	7.32	3,010	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-03	<0.01	<0.001	7.29	3,170	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-03	0.002	0.001	7.27	2,170	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-04	<0.001	<0.001	7.18	2,230	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-04	<0.001	0.001	7.47	2,940	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-04	<0.001	<0.001	7.03	2,990	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-04	0.004	<0.001	7.39	1,969	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Mar-05	<0.001	<0.001	7.48	3,000	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-05	<0.001	<0.001	7.33	2,170	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-05	0.001	<0.001	7.19	2,430	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-06	0.009	<0.003	7.46	2,760	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
x	B290	Jun-98	**41.9**	<0.02	6.94	2,180							
		1999	<0.01	**0.72**	7.24	2,370							
		Jun-00	**0.045**	<0.001	6.87	2,410	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-00	**0.060**	<0.001	7.42	2,120	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-00	**0.092**	<0.001	7.01	1,784	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-01	0.007	<0.001	7.01	1,693	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-02	**0.048**	<0.001									
		Sep-02	0.008	<0.001	6.93	2,130							
		Dec-02	**0.042**		7.13	1,707	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-03	0.002	<0.001	7.38	1,451	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-03	**0.059**	<0.001	7.37	2,420	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 3
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
Lead, pH, Conducivity, and PCBs Data for All Sampling Events Through June 2006

	Parameters ->		Lead (total)	Lead (soluble)	pH	Specific Conduct.	Aroclors						
							1016	1221	1232	1242	1248	1254	1260
	Units ->		mg/l	mg/l	Std. Units	us/cm	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Class GA Standards ->		0.025	0.025	6.5-8.5	na	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*
		Sep-03	0.021	<0.001	7.17	2,240	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-03	0.008	0.002	8.08	1,322	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-04	<0.001	<0.001	7.49	1,590	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-04	0.001	<0.001	7.45	1,711	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-04	0.008	<0.001	7.24	2,410	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-04	<0.001	0.003	7.41	1,822	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Mar-05	0.013	<0.001	7.52	2,450	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-05	0.012	<0.001	7.68	1663	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-05	0.002	<0.001	7.17	2600	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-06	0.023	<.0.003	7.87	1676	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
x	B401	Jun-98	0.0124	<0.002									
		1999	**0.061**	<0.01	6.69	1,510							
		Jun-00	**0.044**	0.003	6.78	1,275	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-00	**0.35**	0.002	7.29	1,159	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-00	**0.059**	0.007	7.44	1,180	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-01	**0.033**	<0.001	7.26	810	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-02	**0.21**	<0.001									
		Sep-02	**0.06**	0.002	7.48	644							
		Dec-02	0.013		7.27	925	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-03	0.024	<0.001	7.32	781	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-03	0.01	0.003	7.68	1,109	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-03	0.01	0.001	7.15	1,126	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-03	0.021	0.002	8.37	791	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-04	0.004	<0.001	7.48	765	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-04	**0.031**	<0.001	7.49	1,053	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-04	0.005	<0.001	7.11	1,030	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-04	0.002	<0.001	7.21	937	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Mar-05	0.003	<0.001	7.36	1,038	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-05	0.003	0.001	7.83	814	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-05	0.007	<0.001	7.18	1,066	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-06	**0.042**	<0.003	7.46	986	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
x	B402***	Jun-98	0.0064	0.0041			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		1999	**0.29**	<0.01	8.12	3,350	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
		Jun-00	0.007	0.003	8.45	2,820	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-00	0.007	0.002	8.13	1,374	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-00	0.004	0.002	**8.75**	1,785	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-01	0.003	0.004	7.95	1,480	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-02	<0.001	<0.001			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-02	0.004	<0.001	8.44	2,260	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-02	<0.001		**8.98**	2,080	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 3
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
Lead, pH, Conducivity, and PCBs Data for All Sampling Events Through June 2006

	Parameters ->		Lead (total)	Lead (soluble)	pH	Specific Conduct.	Aroclors 1016	1221	1232	1242	1248	1254	1260
	Units ->		mg/l	mg/l	Std. Units	us/cm	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
	Class GA Standards ->		0.025	0.025	6.5-8.5	na	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*
		Mar-03	<0.001	<0.001	8.72	1,628	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-03	0.002	<0.001	9.07	2,450	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-03	0.001	<0.001	7.49	1,671	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-03	0.003	0.002	10.69	2,050	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-04	<0.001	<0.001	8.98	1,892	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-04	0.002	<0.001	7.71	2,820	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-04	No Sample - Well Destroyed										
	B402R***	Dec-05	0.26	0.001	7.73	3,060	<0.05	<0.05	<0.05	<0.05	<0.05	1.2	<0.05
		Jun-06	0.003	<0.003	8.37	2960	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
x	B403	Jun-98	28.4	<0.002	7.21	1,280	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		1999	0.24	0.01	7.36	710	<0.01	<0.01	<0.01	<0.01	<0.01	0.17	<0.01
		Jun-00	0.010	0.004	7.35	402	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-00	0.007	0.003	8.41	520	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-00	0.002	0.002	8.12	970	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-01	0.004	0.003	7.54	415	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-02	<0.001	<0.001			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-02	0.005	<0.001	7.11	456	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-02	0.003		7.52	201	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-03	0.002	<0.001	7.97	200	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-03	0.002	<0.001	8.03	536	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-03	0.002	<0.001	7.61	351	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-03	0.004	0.001	8.41	235	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-04	0.003	0.002	7.44	296	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-04	0.001	0.002	7.65	681	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-04	0.001	<0.001	7.23	662	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-04	<0.001	<0.001	7.52	613	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Mar-05	<0.001	<0.001	7.82	1,156	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-05	0.003	0.002	7.64	1,135	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Dec-05	0.002	0.001	7.18	1,372	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
		Jun-06	<0.003	<0.003	7.36	1479	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
x	B404	Jun-98	0.0071	0.0027	10.55	2,380	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		1999	<0.01	<0.01	6.72	1,740	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
		Jun-00	0.004	0.002	6.97	1,573	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-00	0.002	0.002	7.32	1,114	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-00	0.003	<0.001	7.47	589	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-01	0.003	0.003	7.54	610	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Jun-02	<0.001	<0.001			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Sep-02	0.003	<0.001	7.08	731	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Dec-02	0.003		7.33	374	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
		Mar-03	<0.001	<0.001	7.61	272	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Table 3
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
Lead, pH, Conducivity, and PCBs Data for All Sampling Events Through June 2006

Parameters ->		Lead (total)	Lead (soluble)	pH	Specific Conduct.	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units ->		mg/l	mg/l	Std. Units	us/cm	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Class GA Standards ->		0.025	0.025	6.5-8.5	na	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*	0.09*
	Jun-03	0.002	<0.001	7.63	544	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-03	0.001	<0.001	7.26	528	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-03	0.004	0.002	**9.83**	297	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Mar-04	0.001	0.002	8.14	286	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Jun-04	0.001	<0.001	**8.55**	516	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Sep-04	0.002	0.001	7.43	559	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Dec-04	<0.001	<0.001	7.66	348	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Mar-05	<0.001	<0.001	7.28	512	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Jun-05	0.003	<0.001	7.56	367	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Dec-05	<0.001	<0.001	7.14	512	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
	Jun-06	<0.003	<0.003	7.46	523	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
MW-8R ◆	Sep-02	0.004	0.001	**9.21**	933	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	Dec-02	0.002		**9.62**	567	<0.05	<0.05	<0.05	<0.05	<0.05	**2.6**	<0.05
	Mar-03	0.001	0.002	**8.82**	551	<0.05	<0.05	<0.05	<0.05	<0.05	**0.3**	<0.05
	Jun-03	0.002	0.002	**8.59**	726	<0.05	<0.05	<0.05	<0.05	<0.05	**0.25**	<0.05
	Sep-03	0.002	<0.001	8.05	441	<0.05	<0.05	<0.05	<0.05	<0.05	**5.9**	<0.05
	Dec-03	0.004	0.002	8.37	576	<0.05	<0.05	<0.05	<0.05	<0.05	**3.6**	<0.05
	Mar-04	0.002	<0.001	7.91	531	<0.05	<0.05	<0.05	<0.05	<0.05	**2.6**	<0.05
	Jun-04	0.002	<0.001	8.06	332	<0.05	<0.05	<0.05	<0.05	<0.05	**0.32**	<0.05
	Sep-04	<0.001	0.002	7.14	611	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	Dec-04	0.009	<0.001	7.36	996	<0.05	<0.05	<0.05	<0.05	<0.05	**0.98**	<0.05
	Mar-05	<0.001	<0.001	7.76	1,158	<0.050	<0.050	<0.050	<0.050	<0.050	**1.2**	<0.050
	Jun-05	0.002	0.001	8	402	<0.050	<0.050	<0.050	<0.050	<0.050	**3.3**	<0.050
	Dec-05	0.001	0.001	7.67	893	<0.050	<0.050	<0.050	<0.050	<0.050	**0.63**	<0.050
	Jun-06	0.004	<0.003	8.39	239	<0.050	<0.050	<0.050	<0.050	<0.050	**0.92**	<0.050

* Applies to the sum of these substances

** Monitoring well B291 replaced monitoring well B280 in this program in September 2000.

*** Monitoring well B402R was installed in November 2005 as a repalcement well for monitoring well B402

◆ MW-8R was installed in September 2002 and added to the CAMU monitoring at that time

Bold denotes concentrations above Class GA Groundwater Quality Standards.

Table 4
Wabash Aluminum Alloys, LLC - Syracuse Facility
CAMU Groundwater Performance Monitoring
2005 and Historic Oil & Grease, Arsenic, and Barium Data

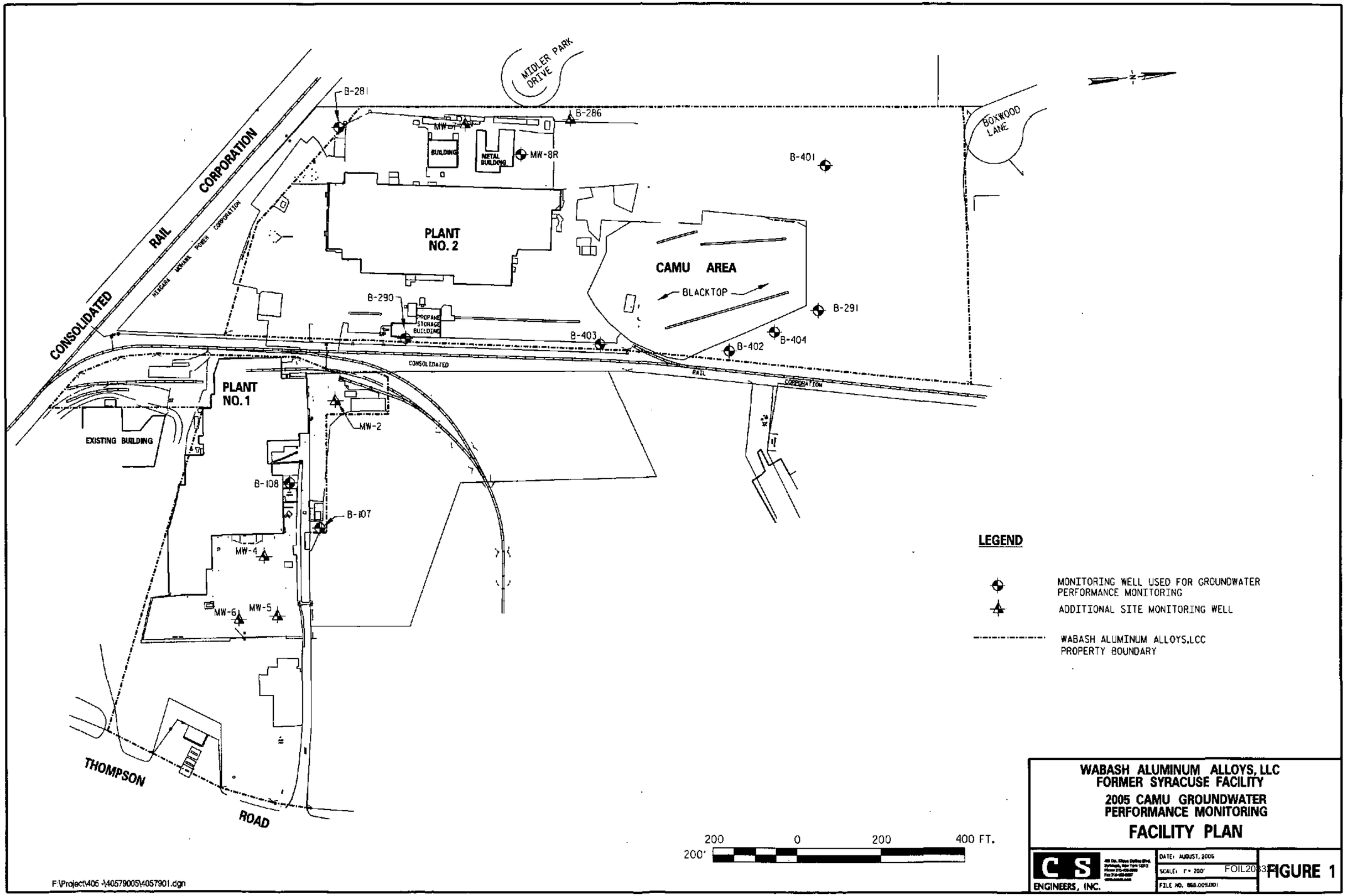
	Parameters ->		O&G	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)
	Units ->		mg/l	mg/l	mg/l	mg/l	mg/l
	Class GA Standards ->		na	0.025	0.025	1.000	1.000
	B107	Jun-00				<0.3	<0.3
		Sep-02				0.31	0.34
		Dec-03				0.4	0.4
		Mar-04				0.5	0.3
		Jun-05				0.34	0.34
	B108	Sep-02				0.73	0.78
		Dec-03				0.4	1
		Mar-04				0.5	0.4
		Jun-05				0.73	0.7
	B280**	Jun-98		<0.003	0.0036		
		1999		<0.01	<0.01		
x		Jun-00		0.004	0.004		
	B291**	Jun-02		0.012	<0.010		
		Sep-02		<0.010	<0.010		
		Dec-03		0.012	<0.010		
		Mar-04		0.020	0.016		
		Jun-05		<0.01	<0.01		
x	B281	Jun-98		0.0059	<0.003		
		1999		<0.01	<0.01		
		Jun-00		0.060	0.001	<0.3	<0.3
		Jun-02		**0.037**	0.017		
		Sep-02		0.023	<0.010	<0.03	<0.03
		Dec-03		0.017	<0.001	<0.3	<0.3
		Mar-04		**0.031**	0.017	<0.3	<0.3
		Jun-05		0.016	0.011	<0.3	<0.3
	MW-8R	Sep-02	<5				

** Monitoring well B291 replaced monitoring well B280 in this program in September 2000.

Bold denotes concentrations above Class GA Groundwater Quality Standards.

Figure(s)

FIGURES



WABASH ALUMINUM ALLOYS, LLC
FORMER SYRACUSE FACILITY

2005 CAMU GROUNDWATER PERFORMANCE MONITORING

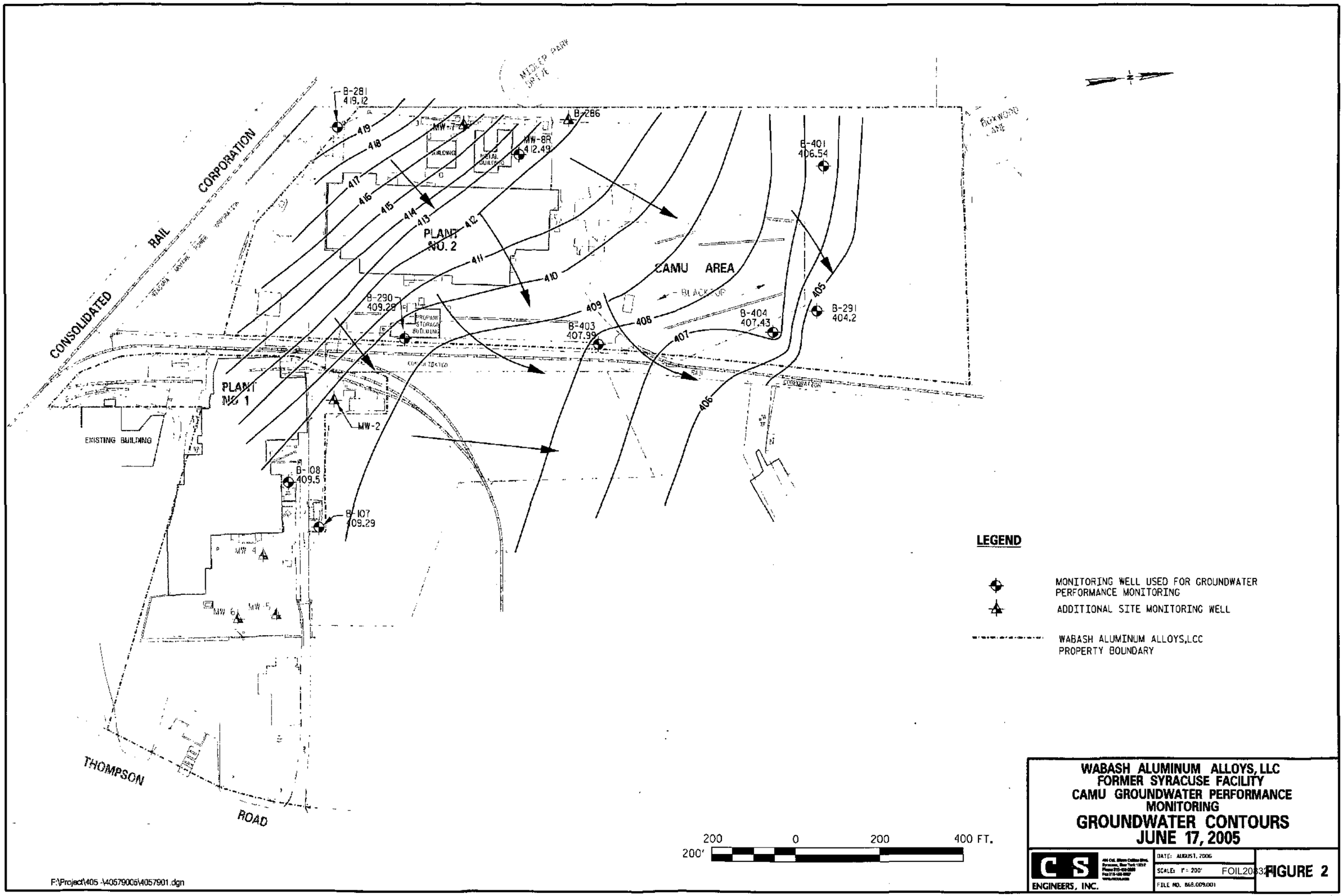
FACILITY PLAN

C S ENGINEERS, INC.

DATE: AUGUST, 2005
SCALE: 1" = 200'
FILE NO. 868.005.001

FOIL2033

FIGURE 1



WABASH ALUMINUM ALLOYS, LLC
FORMER SYRACUSE FACILITY
CAMU GROUNDWATER PERFORMANCE MONITORING

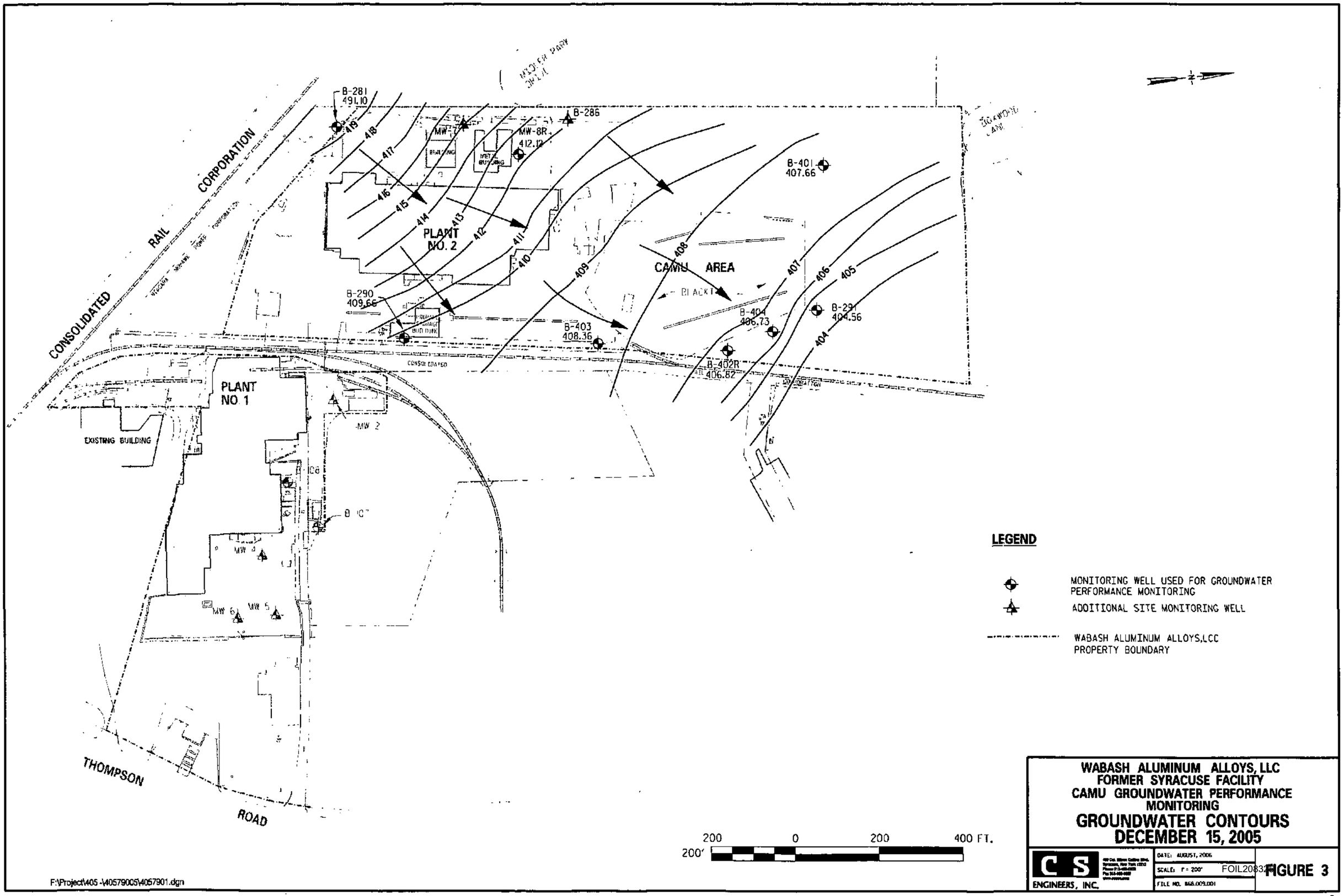
GROUNDWATER CONTOURS JUNE 17, 2005

C S ENGINEERS, INC.

DATE: AUGUST, 2006
SCALE: 1" = 200'
FILE NO. 868.009.001

FIGURE 2

FOIL20832



WABASH ALUMINUM ALLOYS, LLC
FORMER SYRACUSE FACILITY
CAMU GROUNDWATER PERFORMANCE MONITORING

GROUNDWATER CONTOURS
DECEMBER 15, 2005

C S ENGINEERS, INC.

DATE: AUGUST, 2006
SCALE: 1" = 200'
FILE NO. 868.009.001

FOIL20832

FIGURE 3

APPENDIX A

Field Sampling Logs

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

ULI ID No: (enter by lab)

Well ID.: MW-8R MS/MSD

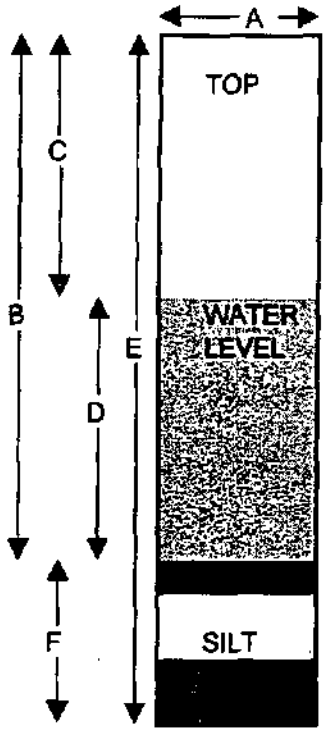
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 2537

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10	feet
C.	Depth to Water	3.24	feet
D.	Length of Water Column (calculated)	6.76	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.0816	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	3.2448	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	9:30 AM	10:00 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.92	7.76
Specific Cond.	1132	1158
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	3.24	feet
Recharge Depth to Water	4.61	feet
2nd water column height	79.7337	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

FOIL208327

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-281

ULI ID No.: (enter by lab)

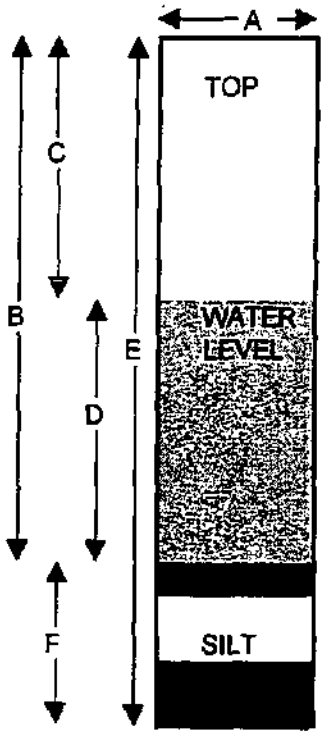
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 2537

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.03	feet
C.	Depth to Water	4.44	feet
D.	Length of Water Column (calculated)	8.59	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.3744	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	4.1232	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	12:55 PM	1:25 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.08	7.48
Specific Cond.	1281	3000
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	4.44	feet
Recharge Depth to Water	5.86	feet
2nd water column height	83.4692	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature:

FOIL208328

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells** ULI ID No. (enter by lab)

Well ID.: **B-290** **Dupe**

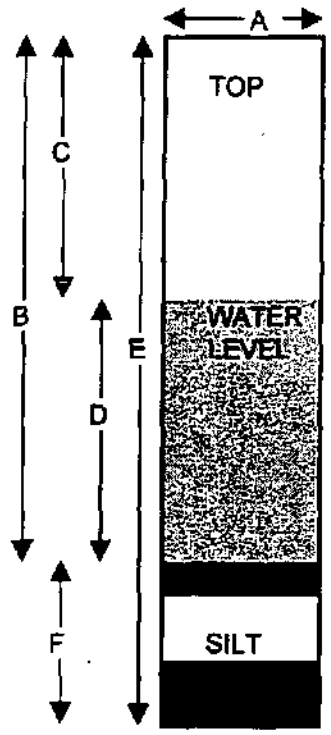
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10.26	feet
C.	Depth to Water	5.22	feet
D.	Length of Water Column (calculated)	5.04	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	0.8064	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	2.4192	gallons
	Actual Volume Evacuated	3	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	1:30 PM	2:00 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.44	7.52
Specific Cond.	2680	2450
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	thick orange	clear

% Recharge:

Initial Depth to Water	5.22	feet
Recharge Depth to Water	6.25	feet
2nd water column height	79.5635	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature:

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-291

ULI ID No. (enter by lab)

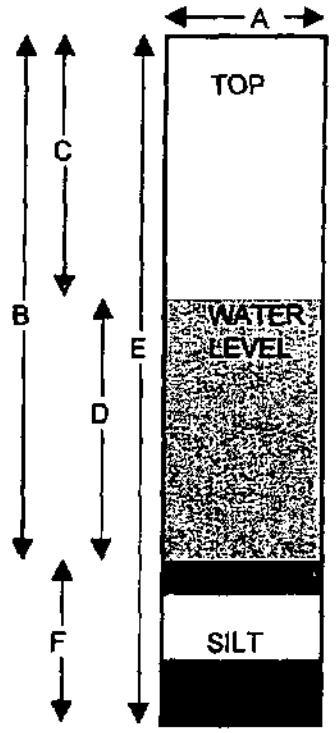
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.54	feet
C.	Depth to Water	3.68	feet
D.	Length of Water Column (calculated)	8.86	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.4176	gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated	4.2528	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	10:50 AM	11:30 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.39	7.18
Specific Cond.	973	996
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	3.68	feet
Recharge Depth to Water	5.71	feet
2nd water column height	77.088	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Bal

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FOIL208330

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-401

ULI ID No. (enter by lab)

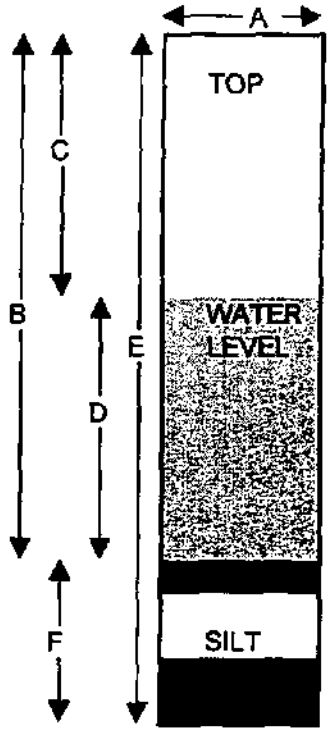
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.64	feet
C.	Depth to Water	5.91	feet
D.	Length of Water Column (calculated)	5.73	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	0.9168	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	2.7504	gallons
	Actual Volume Evacuated	3	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	10:15 AM	10:40 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.54	7.36
Specific Cond.	990	1038
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	5.91	feet
Recharge Depth to Water	6.99	feet
2nd water column height	81.1518	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltz

1

FOIL208331

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-403**

ULI ID No. (enter by lab)

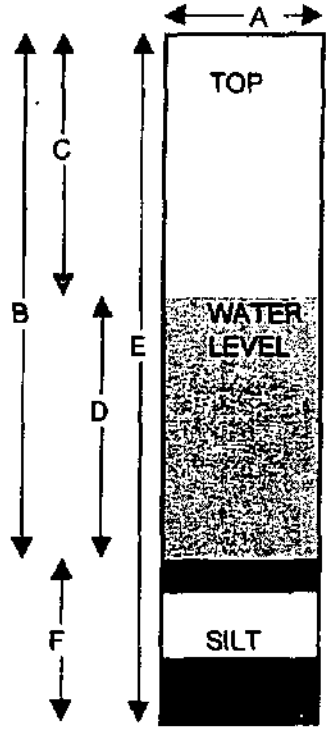
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.26	feet
C.	Depth to Water	2.80	feet
D.	Length of Water Column (calculated)	8.46	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.3536	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	4.0608	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	12:10 PM	12:35 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.01	7.82
Specific Cond.	1116	1156
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	2.80	feet
Recharge Depth to Water	4.79	feet
2nd water column height	76.4775	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

1

FOIL208332

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-404

ULI ID No. (enter by lab)

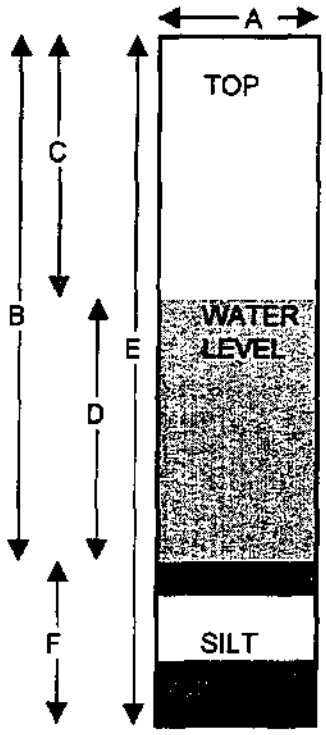
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3210

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	16.14	feet
C.	Depth to Water	3.98	feet
D.	Length of Water Column (calculated)	12.16	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.9456	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	5.8368	gallons
	Actual Volume Evacuated	6	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	11:35 AM	12:00 PM
pH	N/A	N/A
Temperature	N/A	N/A
pH	7.40	7.28
Specific Cond.	472	512
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	orange / cloudy	clear

% Recharge:

Initial Depth to Water	3.98	feet
Recharge Depth to Water	6.05	feet
2nd water column height	82.977	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

1

FOIL208333

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-402**

ULI ID No. (enter by lab)

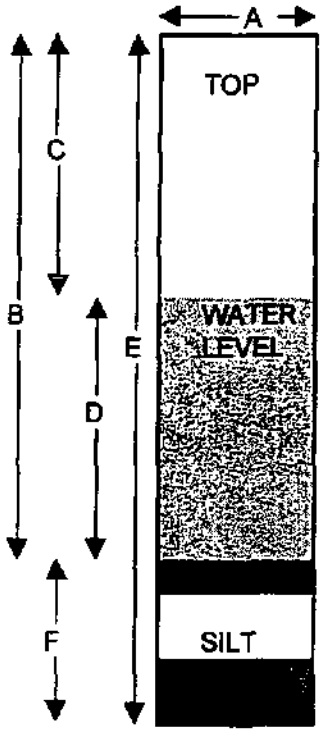
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3210

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.24	feet
C.	Depth to Water	well destroyed	feet
D.	Length of Water Column (calculated)	N/A	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	N/A	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	N/A	gallons
	Actual Volume Evacuated	N/A	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	3/4/2005	3/4/2005
Time	12:40 PM	N/A
EH	N/A	N/A
Temperature	N/A	N/A
pH	N/A	N/A
Specific Cond.	N/A	N/A
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	N/A	N/A

% Recharge:

Initial Depth to Water	N/A	feet
Recharge Depth to Water	N/A	feet
2nd water column height	N/A	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 28 f cloudy

Observations: no sample - well destroyed

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

FOIL208334

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

ULI ID No. (enter by lab)

Well ID.: **MW-8R** ***Dupe***

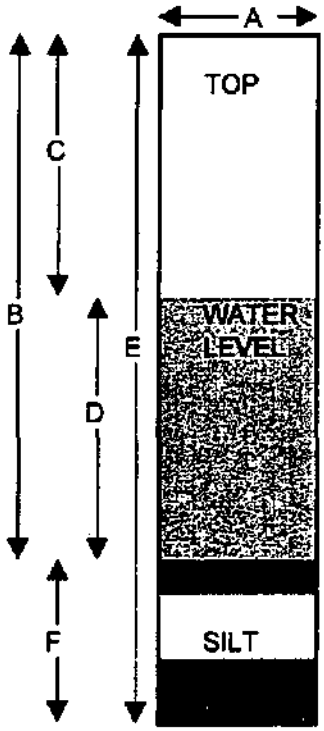
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 2537

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10	feet
C.	Depth to Water	2.81	feet
D.	Length of Water Column (calculated)	7.19	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	1.1504	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	3.4512	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	10:15 AM	~~N/A~~ 10:35 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.87	8.00
Specific Cond.	646	402
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water	2.81	feet
Recharge Depth to Water	4.25	feet
2nd water column height	79.9722	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-281** ***MS/MSD***

ULI ID No. (enter by lab)

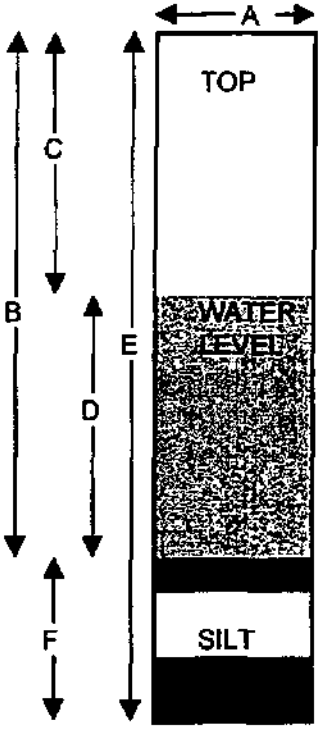
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 2537

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.03	feet
C.	Depth to Water	4.27	feet
D.	*Length of Water Column (calculated)*	8.76	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.4016	gallons
	No. of Volumes to be Evacuated	x3	------
	Total Volume to be Evacuated	4.2048	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	9:30 AM	10:10 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.55	7.33
Specific Cond.	2510	2170
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water	4.27	feet
Recharge Depth to Water	6.15	feet
2nd water column height	78.5388	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltz

FOIL208336

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-290

ULI ID No. (enter by lab)

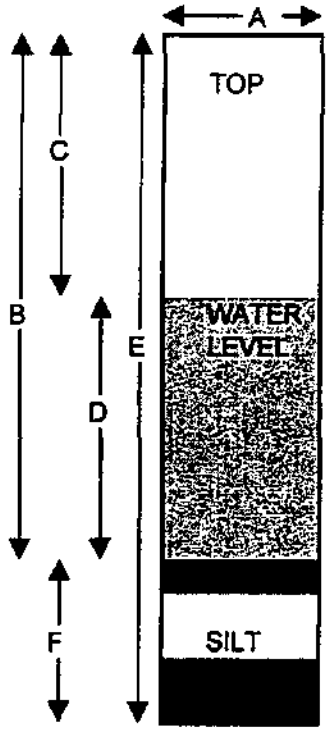
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10.26	feet
C.	Depth to Water	5.32	feet
D.	Length of Water Column (calculated)	4.94	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	0.7904	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	2.3712	gallons
	Actual Volume Evacuated	2.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	1:00 PM	1:15 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.39	7.68
Specific Cond.	1992	1663
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	cloudy / orange	clear

% Recharge:

Initial Depth to Water	5.32	feet
Recharge Depth to Water	6.06	feet
2nd water column height	85.0202	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltz

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-291**

ULI ID No. (enter by lab)

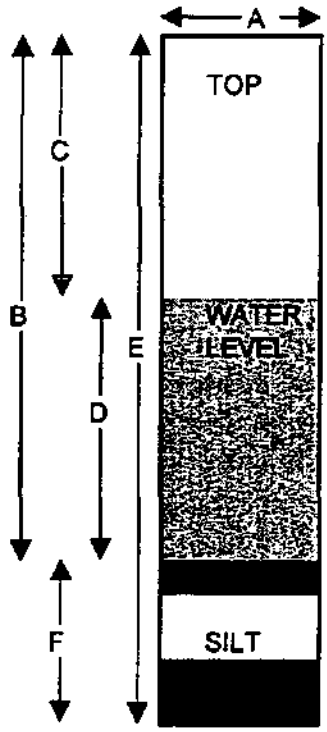
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.54	feet
C.	Depth to Water	3.91	feet
D.	Length of Water Column (calculated)	8.63	feet
	Conversion Factor	X.16	——
	Well Volume (calculated)	1.3808	gallons
	No. of Volumes to be Evacuated	x3	——
	Total Volume to be Evacuated	4.1424	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	11:10 AM	11:45 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.23	7.36
Specific Cond.	788	813
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water	3.91	feet
Recharge Depth to Water	5.56	feet
2nd water column height	80.8806	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

FOIL208338

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-401

ULI ID No. (enter by lab)

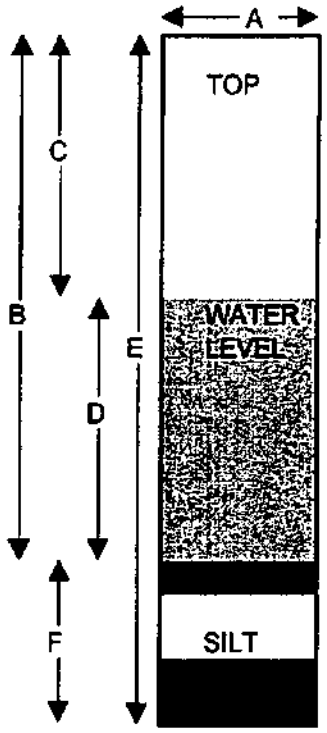
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.64	feet
C.	Depth to Water	7.00	feet
D.	Length of Water Column (calculated)	4.64	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	0.7424	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	2.2272	gallons
	Actual Volume Evacuated	2.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	10:40 AM	11:05 AM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.60	7.83
Specific Cond.	787	814
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	7.00	feet
Recharge Depth to Water	7.88	feet
2nd water column height	81.0345	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltz

FOIL208339

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-402**

ULID No. (enter by lab)

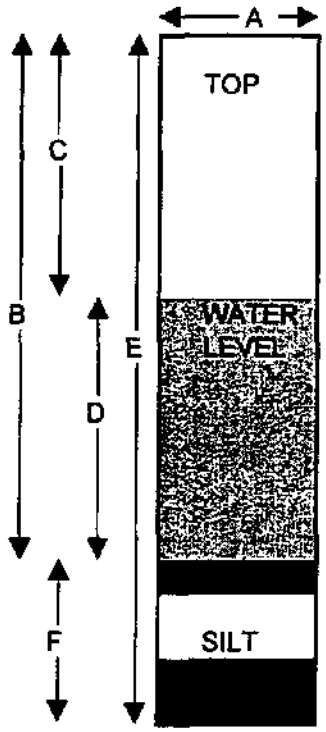
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3210

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.24	feet
C.	Depth to Water	N/A	feet
D.	Length of Water Column (calculated)	N/A	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	N/A	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	N/A	gallons
	Actual Volume Evacuated	N/A	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	12:33 PM	N/A
EH	N/A	N/A
Temperature	N/A	N/A
pH	N/A	N/A
Specific Cond.	N/A	N/A
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	N/A	N/A

% Recharge:

Initial Depth to Water	N/A	feet
Recharge Depth to Water	N/A	feet
2nd water column height	N/A	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

no sample - well destroyed

Sampler:
Paul Baltzersen / Nathan Talucci

Signature:

FOIL208340

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-403**

ULID No. (enter by lab)

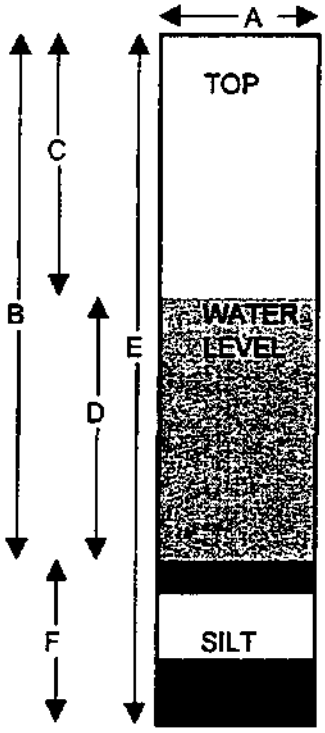
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.26	feet
C.	Depth to Water	3.06	feet
D.	Length of Water Column (calculated)	8.2	feet
	Conversion Factor	X.16	——
	Well Volume (calculated)	1.312	gallons
	No. of Volumes to be Evacuated	x3	——
	Total Volume to be Evacuated	3.936	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	12:35 PM	12:55 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.14	7.64
Specific Cond.	1064	1135
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	3.06	feet
Recharge Depth to Water	5.59	feet
2nd water column height	69.1463	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature:

FOIL208341

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-404**

ULI ID No. (enter by lab)

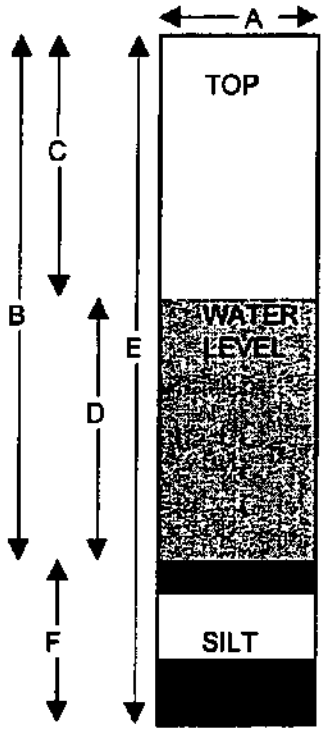
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3210

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	16.14	feet
C.	Depth to Water	3.34	feet
D.	Length of Water Column (calculated)	12.8	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	2.048	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	6.144	gallons
	Actual Volume Evacuated	6.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	11:50 AM	12:30 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.36	7.56
Specific Cond.	417	367
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	orange / chunky	clear

% Recharge:

Initial Depth to Water	3.34	feet
Recharge Depth to Water	6.05	feet
2nd water column height	78.8281	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

FOIL208342

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-107**

ULI ID No. (enter by lab)

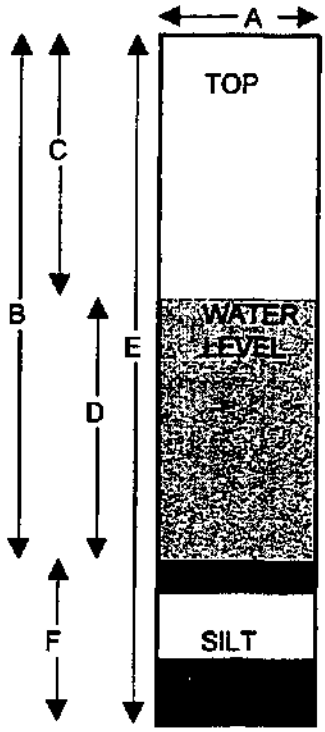
Condition of Well: Good

Locked: NO

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID:

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	8.78	feet
C.	Depth to Water	1.32	feet
D.	Length of Water Column (calculated)	7.46	feet
	Conversion Factor	X.16	——
	Well Volume (calculated)	1.1936	gallons
	No. of Volumes to be Evacuated	x3	------
	Total Volume to be Evacuated	3.5808	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	1:45 PM	2:05 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.73	7.65
Specific Cond.	668	623
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water	1.32	feet
Recharge Depth to Water	1.95	feet
2nd water column height / 1st water column height	91.555	%

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature:

FOIL208343

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

ULI ID No.: (enter by lab)

Well ID.: B-108

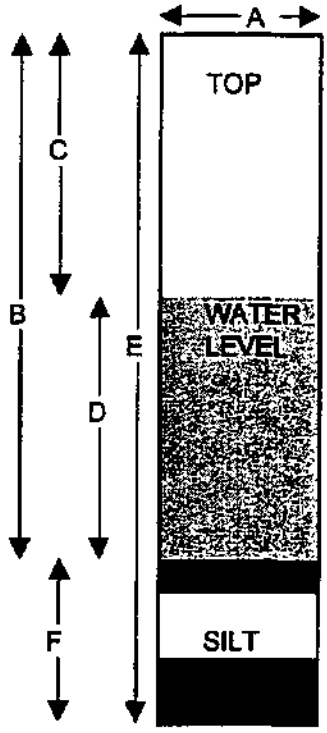
Condition of Well: Good

Locked: NO

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID:

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	9.24	feet
C.	Depth to Water	2.30	feet
D.	Length of Water Column (calculated)	6.94	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.1104	gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated	3.3312	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/17/2005	6/17/2005
Time	1:20 PM	1:40 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.26	7.44
Specific Cond.	1933	1919
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water	2.30	feet
Recharge Depth to Water	3.23	feet
2nd water column height	86.5994	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 65 f cloudy / rain showers

Observations:

Sampler: Paul Baltzersen / Nathan Talucci

Signature: Paul Baltzersen

FOIL208344

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells** ULI ID No.: (enter by lab)

Well ID.: **MW-8R** **MS/MSD**

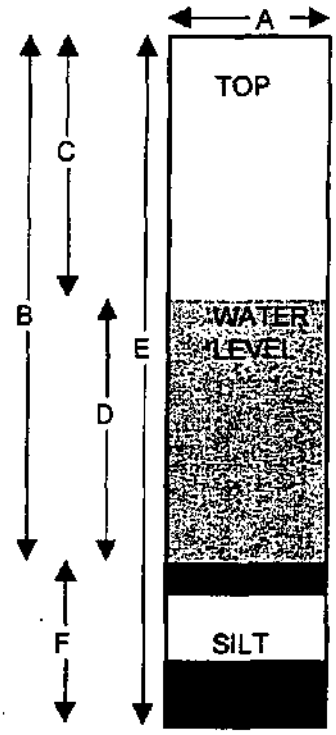
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 2537

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10	feet
C.	Depth to Water	3.18	feet
D.	Length of Water Column (calculated)	6.82	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.0912	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	3.2736	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	10:40 AM	11:15 AM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.52	7.67
Specific Cond.	896	893
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	slightly cloudy	clear

% Recharge:

Initial Depth to Water	3.18	feet
Recharge Depth to Water	4.69	feet
2nd water column height	77.8592	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltz

FOIL208345

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-281**

ULI ID No. (enter by lab)

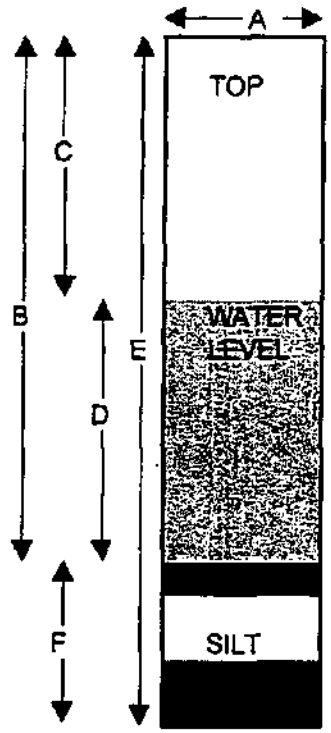
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 2537

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.03	feet
C.	Depth to Water	4.29	feet
D.	Length of Water Column (calculated)	8.74	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.3984	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	4.1952	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	1:30 PM	2:00 PM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.03	7.19
Specific Cond.	3000	2430
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	cloudy / orange	clear

% Recharge:

Initial Depth to Water	4.29	feet
Recharge Depth to Water	7.16	feet
2nd water column height	67.1625	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltz

FOIL208346

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-290** **Dupe**

ULI ID No: (enter by lab)

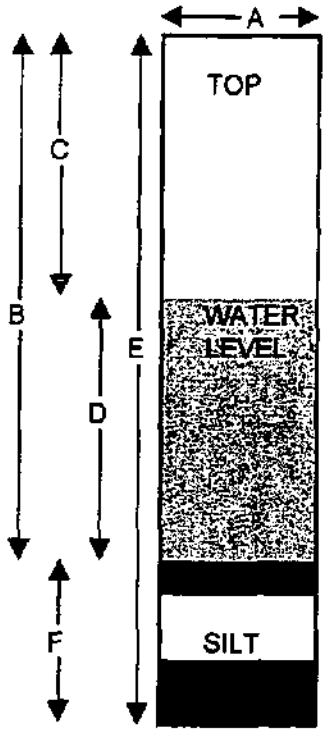
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10.26	feet
C.	Depth to Water	4.95	feet
D.	Length of Water Column (calculated)	5.31	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	0.8496	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	2.5488	gallons
	Actual Volume Evacuated	3	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	10:05 AM	10:30 AM
EH	n/a	n/a
Temperature	n/a	n/a
pH	6.56	7.17
Specific Cond.	2740	2600
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	cloudy / orange	clear

% Recharge:

Initial Depth to Water	4.95	feet
Recharge Depth to Water	5.94	feet
2nd water column height	81.3559	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltzersen

1

FOIL208347

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-291**

ULI ID No. (enter by lab)

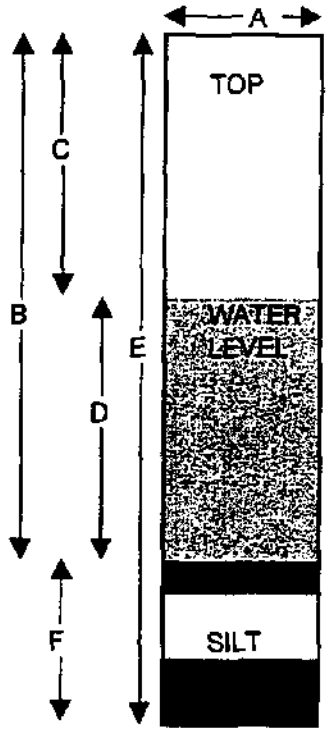
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.54	feet
C.	Depth to Water	3.55	feet
D.	Length of Water Column (calculated)	8.99	feet
	Conversion Factor	X 16	—
	Well Volume (calculated)	1.4384	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	4.3152	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	11:55 AM	12:30 PM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.01	7.23
Specific Cond.	1016	971
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	clear	clear

% Recharge:

Initial Depth to Water	3.55	feet
Recharge Depth to Water	5.35	feet
2nd water column height	79.9778	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltzersen

FOIL208348

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-401

ULI ID No. (enter by lab)

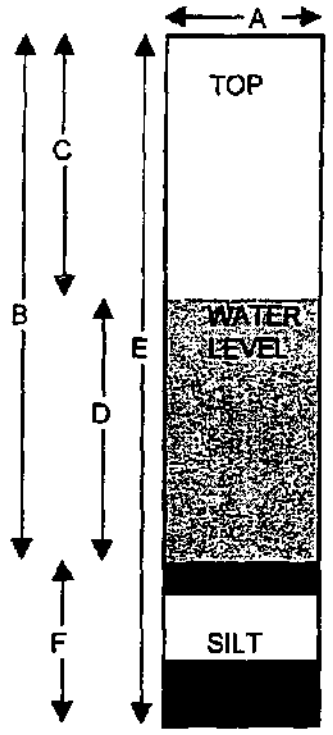
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.64	feet
C.	Depth to Water	5.88	feet
D.	Length of Water Column (calculated)	5.76	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	0.9216	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	2.7648	gallons
	Actual Volume Evacuated	3	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	11:20 AM	11:50 AM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.37	7.18
Specific Cond.	1036	1066
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	clear	clear

% Recharge:

Initial Depth to Water	5.88	feet
Recharge Depth to Water	6.39	feet
2nd water column height	91.1458	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltz

FOIL208349

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **C & S Engineers**

Project: **Wabash Quarterly Wells**

Well ID.: **B-402R**

ULI ID No. (enter by lab)

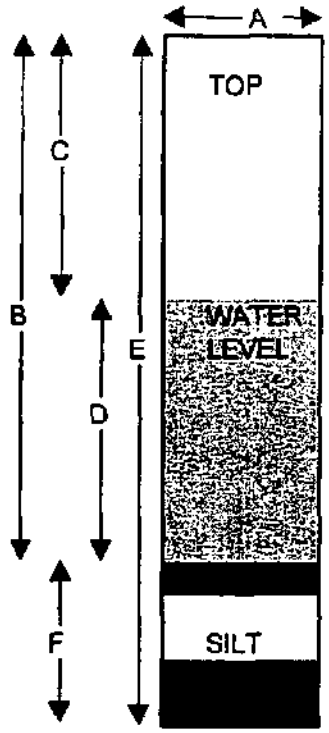
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3210

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.35	feet
C.	Depth to Water	2.62	feet
D.	Length of Water Column (calculated)	10.73	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	1.7168	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	5.1504	gallons
	Actual Volume Evacuated	12	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	12:50 PM	2:30 PM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.45	7.73
Specific Cond.	3230	3060
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	cloudy	cloudy

% Recharge:

Initial Depth to Water	2.62	feet
Recharge Depth to Water	2.85	feet
2nd water column height	97.8565	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations: evacuated well until dry three times
water still very turbid!

Sampler:
Paul Baltzersen / Nate Talucci

Signature: Paul Baltzersen

FOIL208350

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-403

ULI ID No. (enter by lab):

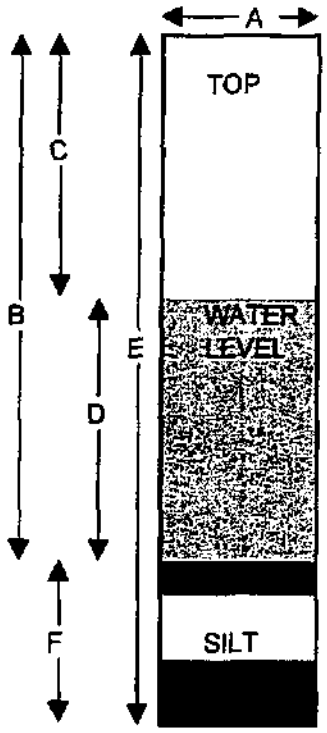
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3303

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.26	feet
C.	Depth to Water	2.69	feet
D.	Length of Water Column (calculated)	8.57	feet
	Conversion Factor	X.16	—
	Well Volume (calculated)	1.3712	gallons
	No. of Volumes to be Evacuated	x3	—
	Total Volume to be Evacuated	4.1136	gallons
	Actual Volume Evacuated	4.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	1:00 PM	1:20 PM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.13	7.18
Specific Cond.	1286	1372
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	clear	clear

% Recharge:

Initial Depth to Water	2.69	feet
Recharge Depth to Water	4.27	feet
2nd water column height	81.5636	%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltz

FOIL208351

Upstate Laboratories, Inc. Ground water Field Log File: TS-30-01 Revised: 2/97

Client: C & S Engineers

Project: Wabash Quarterly Wells

Well ID.: B-404

ULI ID No. (enter by lab)

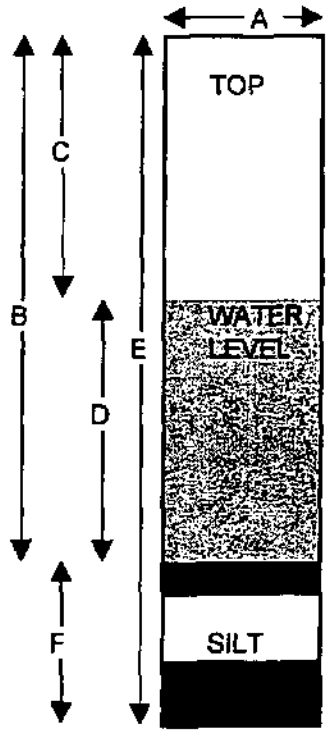
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristaltic Pump w/ decicated hose

Lock ID: 3210

Method of Sampling: Peristaltic Pump w/ decicated hose



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	16.14	feet
C.	Depth to Water	4.04	feet
D.	Length of Water Column (calculated)	12.1	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	1.936	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	5.808	gallons
	Actual Volume Evacuated	6	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	12/15/2005	12/15/2005
Time	12:35 PM	12:45 PM
EH	n/a	n/a
Temperature	n/a	n/a
pH	7.19	7.14
Specific Cond.	502	512
Turbidity	n/a	n/a
Dissolved Oxygen	n/a	n/a
Appearance	slightly cloudy / orange	clear

% Recharge:

Initial Depth to Water	4.04	feet
Recharge Depth to Water	6.27	feet
2nd water column height	81.5702	%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 20 f cloudy

Observations:

Sampler: Paul Baltzersen / Nate Talucci

Signature: Paul Baltzersen

FOIL208352

APPENDIX B

Analytical Laboratory Data Sheets

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 289 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533
Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

Mr. Thomas Barba, Snr Proj Scientist
C & S Engineers, P.C.
1099 Airport Blvd.
N. Syracuse, NY 13212

Monday, April 04, 2005

RE: Quarterly Wabash Wells

Order No.: U0503122

Dear Mr. Thomas Barba, Snr Proj Scientist:

Upstate Laboratories, Inc. received 10 sample(s) on 3/4/2005 for the analyses presented in the following report.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Anthony J. Scala
President/CEO

Upstate Laboratories, Inc.

Date: *04-Apr-05*

CLIENT: C & S Engineers, P.C.
Project: Quarterly Wabash Wells
Lab Order: U0503122

Lab ID: U0503122-001 **Collection Date:** 3/4/05 10:00:00 AM
Client Sample ID: MW-8R **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	1158	1.0		umhos/cm		3/4/05 10:00:00 AM
pH	7.76	6.5-8.5		SU		3/4/05 10:00:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	1.2	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **LJ**
Lead*	ND	0.001		mg/L	1	3/11/05 2:26:40 PM

Lab ID: U0503122-002 **Collection Date:** 3/4/05 1:25:00 PM
Client Sample ID: B281 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	3000	1.0		umhos/cm		3/4/05 1:25:00 PM
pH	7.48	6.5-8.5		SU		3/4/05 1:25:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **LJ**
Lead*	ND	0.001		mg/L	1	3/11/05 2:37:07 PM

Approved By: PFF **Date:** 4-4-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *04-Apr-05*

CLIENT: C & S Engineers, P.C.
Project: Quarterly Wabash Wells
Lab Order: U0503122

Lab ID: U0503122-003 **Collection Date:** 3/4/05 2:00:00 PM
Client Sample ID: B290 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	2450	1.0		umhos/cm		3/4/05 2:00:00 PM
pH	7.52	6.5-8.5		SU		3/4/05 2:00:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		SW8082		(SW3510B)		Analyst: BW
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: LJ
Lead*	0.013	0.001		mg/L	1	3/11/05 2:40:36 PM

Lab ID: U0503122-004 **Collection Date:** 3/4/05 11:30:00 AM
Client Sample ID: B291 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	996	1.0		umhos/cm		3/4/05 11:30:00 AM
pH	7.18	6.5-8.5		SU		3/4/05 11:30:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		SW8082		(SW3510B)		Analyst: BW
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: LJ
Lead*	ND	0.001		mg/L	1	3/11/05 2:51:30 PM

Approved By: PFF **Date:** 4-4-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *04-Apr-05*

CLIENT: C & S Engineers, P.C. **Lab Order:** U0503122
Project: Quarterly Wabash Wells

Lab ID: U0503122-005 **Collection Date:** 3/4/05 10:40:00 AM
Client Sample ID: B401 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1038	1.0		umhos/cm		3/4/05 10:40:00 AM
pH	7.36	6.5-8.5		SU		3/4/05 10:40:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		SW8082		(SW3510B)		Analyst: BW
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: LJ
Lead*	0.003	0.001		mg/L	1	3/11/05 2:55:02 PM

Lab ID: U0503122-006 **Collection Date:** 3/4/05 12:35:00 PM
Client Sample ID: B403 **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1156	1.0		umhos/cm		3/4/05 12:35:00 PM
pH	7.82	6.5-8.5		SU		3/4/05 12:35:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		SW8082		(SW3510B)		Analyst: BW
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		E239.2		(SW3020A)		Analyst: AB
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		E239.2		(SW3020A)		Analyst: LJ
Lead*	ND	0.001		mg/L	1	3/11/05 2:58:32 PM

Approved By: PFF **Date:** 4-4-05

Qualifiers:

- * Low Level
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- ** Value exceeds Maximum Contaminant Value
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *04-Apr-05*

CLIENT: C & S Engineers, P.C.
Project: Quarterly Wabash Wells
Lab Order: U0503122

Lab ID: U0503122-007
Collection Date: 3/4/05 12:00:00 PM
Client Sample ID: B404
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	512	1.0		umhos/cm		3/4/05 12:00:00 PM
pH	7.28	6.5-8.5		SU		3/4/05 12:00:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **LJ**
Lead*	ND	0.001		mg/L	1	3/11/05 3:02:02 PM

Lab ID: U0503122-008
Collection Date: 3/4/05 2:00:00 PM
Client Sample ID: B290 DUPE
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	3/21/05
Aroclor 1221	ND	0.050		µg/L	1	3/21/05
Aroclor 1232	ND	0.050		µg/L	1	3/21/05
Aroclor 1242	ND	0.050		µg/L	1	3/21/05
Aroclor 1248	ND	0.050		µg/L	1	3/21/05
Aroclor 1254	ND	0.050		µg/L	1	3/21/05
Aroclor 1260	ND	0.050		µg/L	1	3/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	3/17/05 2:00:00 PM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **LJ**
Lead*	0.006	0.001		mg/L	1	3/11/05 3:05:34 PM

Approved By: PFF
Date: 4-4-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *04-Apr-05*

CLIENT: C & S Engineers, P.C.
Project: Quarterly Wabash Wells
Lab Order: U0503122

Lab ID: U0503122-009 **Collection Date:** 3/4/2005 2:05:00 PM
Client Sample ID: Equipment Blank **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	3/21/2005
Aroclor 1221	ND	0.050		µg/L	1	3/21/2005
Aroclor 1232	ND	0.050		µg/L	1	3/21/2005
Aroclor 1242	ND	0.050		µg/L	1	3/21/2005
Aroclor 1248	ND	0.050		µg/L	1	3/21/2005
Aroclor 1254	ND	0.050		µg/L	1	3/21/2005
Aroclor 1260	ND	0.050		µg/L	1	3/21/2005
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	3/17/2005 2:00:00 PM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **LJ**
Lead*	ND	0.001		mg/L	1	3/11/2005 3:09:10 PM

Lab ID: U0503122-010 **Collection Date:** 3/4/2005 2:01:00 PM
Client Sample ID: Filter Blank **Matrix:** WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	3/17/2005 2:00:00 PM

Approved By: PFF **Date:** 4-4-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: C&S ENGINEERS
Project #/ Project Name: QUARTERLY WABASH WELLS
Client Contact: RORY WOODMANSEE
Phone #:
Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	(UL) Internal Use Only U05C03122	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-8R	3-4-05	10:00A	H2O	GRAB	001	5	X	X	X	X							MS/MSD
B281		1:25P	H2O	GRAB	002	3	X	X	X	X							
B290		2:00P	H2O	GRAB	003	3	X	X	X	X							
B291		11:30A	H2O	GRAB	004	3	X	X	X	X							
B401		10:40A	H2O	GRAB	005	3	X	X	X	X							
B402		12:40P	H2O	GRAB			X	X	X	X							
B403		12:35P	H2O	GRAB	006	3	X	X	X	X							
B404		12:00P	H2O	GRAB	007	3	X	X	X	X							
B-290 DUPE		2:00P	H2O	GRAB	008	3	X	X	X								
EQUIPMENT BLANK		2:05P	H2O		009	3	X	X	X								
FILTER BLANK		2:01P	H2O		010	1		X									

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	FIELD PH, COND	N/A	N/A	N/A
5				
6				
7				
8				
9				
10				

Sampled by (Print): Paul Baltzersen
Company: MI

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
Paul Baltzersen	3/4/05	2:15P	J. Blewe.

Name of Courier:

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208360

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 289 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533
Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

Thomas A. Barba, Sr Proj Scientist
C & S Engineers, P.C.
1099 Airport Blvd.
N. Syracuse, NY 13212

Wednesday, July 20, 2005

RE: Quarterly Wabash Wells

Order No.: U0506363

Dear Thomas A. Barba, Sr Proj Scientist:

Upstate Laboratories, Inc. received 12 sample(s) on 6/17/2005 for the analyses presented in the following report.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Anthony J. Scala
President/CEO

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-001

Client Sample ID: MW-8R
Collection Date: 6/17/05 10:35:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	402	1.0		umhos/cm		6/17/05 10:35:00 AM
pH	8.00	6.5-8.5		SU		6/17/05 10:35:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	3.3	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.002	0.001		mg/L	1	6/25/05 12:00:00 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.001	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-002

Client Sample ID: B281
Collection Date: 6/17/05 10:10:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	2170	1.0		umhos/cm		6/17/05 10:10:00 AM
pH	7.33	6.5-8.5		SU		6/17/05 10:10:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	0.016	0.010		mg/L	1	6/24/05 3:25:21 PM
Barium	ND	0.30		mg/L	1	6/22/05 9:45:49 AM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001	28	mg/L	1	6/25/05 12:00:00 PM
ICP METALS, DISSOLVED		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	0.011	0.010		mg/L	1	6/24/05 2:47:07 PM
Barium	ND	0.30		mg/L	1	6/23/05 2:29:21 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001	28	mg/L	1	6/25/05 12:00:00 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-003

Client Sample ID: B290
Collection Date: 6/17/05 1:15:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	1663	1.0		umhos/cm		6/17/05 1:15:00 PM
pH	7.68	6.5-8.5		SU		6/17/05 1:15:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.012	0.001		mg/L	1	6/25/05 12:00:00 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001	28	mg/L	1	6/25/05 12:00:00 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-004

Client Sample ID: B291
Collection Date: 6/17/05 11:45:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	813	1.0		umhos/cm		6/17/05 11:45:00 AM
pH	7.36	6.5-8.5		SU		6/17/05 11:45:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	ND	0.010		mg/L	1	6/24/05 3:35:35 PM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.002	0.001		mg/L	1	6/25/05 12:00:00 PM
ICP METALS, DISSOLVED		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	ND	0.010		mg/L	1	6/24/05 2:57:27 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PEF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-005

Client Sample ID: B401
Collection Date: 6/17/05 11:05:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	814	1.0		umhos/cm		6/17/05 11:05:00 AM
pH	7.83	6.5-8.5		SU		6/17/05 11:05:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.003	0.001		mg/L	1	6/25/05 12:00:00 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.001	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-006

Client Sample ID: B403
Collection Date: 6/17/05 12:55:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	1135	1.0		umhos/cm		6/17/05 12:55:00 PM
pH	7.64	6.5-8.5		SU		6/17/05 12:55:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.003	0.001		mg/L	1	6/25/05 12:00:00 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.002	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PEF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-007

Client Sample ID: B404
Collection Date: 6/17/05 12:30:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	367	1.0		umhos/cm		6/17/05 12:30:00 PM
pH	7.56	6.5-8.5		SU		6/17/05 12:30:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.003	0.001		mg/L	1	6/25/05 12:00:00 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-008

Client Sample ID: B107
Collection Date: 6/17/05 2:05:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	623	1.0		umhos/cm		6/17/05 2:05:00 PM
pH	7.65	6.5-8.5		SU		6/17/05 2:05:00 PM
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **AB**
Barium	0.34	0.30		mg/L	1	6/22/05 9:57:12 AM
ICP METALS, DISSOLVED		**E200.7**		**(E200.7)**		Analyst: **KP**
Barium	0.34	0.30		mg/L	1	6/23/05 2:40:07 PM

Approved By: PEF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT:	C & S Engineers, P.C.	**Client Sample ID:**	B108
Lab Order:	U0506363	**Collection Date:**	6/17/05 1:40:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0506363-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		FLD				Analyst:
Conductivity	1919	1.0		umhos/cm		6/17/05 1:40:00 PM
pH	7.44	6.5-8.5		SU		6/17/05 1:40:00 PM
ICP METALS, TOTALS		E200.7		(E200.7)		Analyst: **AB**
Barium	0.73	0.30		mg/L	1	6/22/05 9:59:24 AM
ICP METALS, DISSOLVED		E200.7		(E200.7)		Analyst: **KP**
Barium	0.70	0.30		mg/L	1	6/23/05 2:42:17 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-010

Client Sample ID: MW-8R Dupe
Collection Date: 6/17/05 10:35:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	1.1	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	0.002	0.001		mg/L	1	6/25/05 12:00:00 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PFE **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT: C & S Engineers, P.C.
Lab Order: U0506363
Project: Quarterly Wabash Wells
Lab ID: U0506363-011

Client Sample ID: Equipment Blank
Collection Date: 6/17/05 2:10:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **BW**
Aroclor 1016	ND	0.050		µg/L	1	6/24/05
Aroclor 1221	ND	0.050		µg/L	1	6/24/05
Aroclor 1232	ND	0.050		µg/L	1	6/24/05
Aroclor 1242	ND	0.050		µg/L	1	6/24/05
Aroclor 1248	ND	0.050		µg/L	1	6/24/05
Aroclor 1254	ND	0.050		µg/L	1	6/24/05
Aroclor 1260	ND	0.050		µg/L	1	6/24/05
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	ND	0.010		mg/L	1	6/24/05 3:38:59 PM
Barium	ND	0.30		mg/L	1	6/22/05 10:01:34 AM
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	6/25/05 12:00:00 PM
ICP METALS, DISSOLVED		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	ND	0.010		mg/L	1	6/24/05 3:00:54 PM
Barium	ND	0.30		mg/L	1	6/23/05 2:44:27 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PEF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *20-Jul-05*

CLIENT:	C & S Engineers, P.C.	**Client Sample ID:**	Filter Blank
Lab Order:	U0506363	**Collection Date:**	6/17/05 2:15:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0506363-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS, DISSOLVED		**E200.7**		**(E200.7)**		Analyst: **LJ**
Arsenic*	ND	0.010		mg/L	1	6/24/05 3:04:21 PM
Barium	ND	0.30		mg/L	1	6/23/05 2:52:37 PM
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **AB**
Lead*	ND	0.001		mg/L	1	6/25/05 12:00:00 PM

Approved By: PFF **Date:** 7-20-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: C&S ENGINEERS
Project # / Project Name: QUARTERLY WABASH WELLS
Client Contact: RORY WOODMANSEE
Phone #:
Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only 110506363	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-8R	6-17-05	10:35A	H2O	GRAB	001	3	X	X	X							X	
B281		10:10A	H2O	GRAB	002	5			X	X	X					X	MS/MSD
B290		1:15P	H2O	GRAB	003	3	X	X	X							X	
B291		11:45A	H2O	GRAB	004	3			X					X	X	X	
B401		11:05A	H2O	GRAB	005	3	X	X	X							X	
B402		12:33P	H2O	GRAB		3	X	X	X							X	well destroyed
B403		12:55P	H2O	GRAB	006	3	X	X	X							X	
B404		12:30P	H2O	GRAB	007	3	X	X	X							X	
B107		2:05P	H2O	GRAB	008	2						X	X			X	
B108		1:40P	H2O	GRAB	009	2						X	X			X	
MW-8R DUPE		10:35A	H2O	GRAB	010	3	X	X	X							X	
EQUIPMENT BLANK		2:10P	H2O		011	3			X	X	X						
FILTER BLANK		2:15P	H2O		012	1					X						

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	T-AS,BA,PB*	PLASTIC	500 ML	HNO3
5	D-AS,BA,PB*	PLASTIC	500 ML	HNO3
6	T-BA	PLASTIC	500 ML	HNO3
7	D-BA	PLASTIC	500 ML	HNO3
8	T-AS,PB*	PLASTIC	500 ML	HNO3
9	D-AS,PB*	PLASTIC	500 ML	HNO3
10	FIELD PH, COND	N/A	N/A	N/A

Sampled by (Print): Paul Baltzersen
Company: ULI
Name of Courier

Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Rec'd for Lab by:
Paul Baltz	6/17/05	2:30 P	[illegible]

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208374

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533
Rochester (585) 436-9070 * New Jersey (201) 343-5353 * South Carolina (864) 878-3280

Mark J. Sunderman, Project Manager
C & S Companies
499 Col. Eileen Collins Blvd.
N. Syracuse, NY 13212

Thursday, December 29, 2005

RE: Quarterly Wabash Wells

Order No.: U0512277

Dear Mark J. Sunderman, Project Manager:

Upstate Laboratories, Inc. received 11 sample(s) on 12/15/2005 for the analyses presented in the following report.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Anthony J. Scala
President/CEO

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	MW-8R
Lab Order:	U0512277	**Collection Date:**	12/15/05 11:15:00 AM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-001	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	893	1.0		umhos/cm		12/15/05 11:15:00 AM
pH	7.67	6.5-8.5		SU		12/15/05 11:15:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	0.63	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
NOTES:						
Target analyte is biodegraded and/or environmentally weathered.						
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	B281
Lab Order:	U0512277	**Collection Date:**	12/15/05 2:00:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	2430	1.0		umhos/cm		12/15/05 2:00:00 PM
pH	7.19	6.5-8.5		SU		12/15/05 2:00:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.001	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	B290
Lab Order:	U0512277	**Collection Date:**	12/15/05 10:30:00 AM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	2600	1.0		umhos/cm		12/15/05 10:30:00 AM
pH	7.17	6.5-8.5		SU		12/15/05 10:30:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.002	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001	28	mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	B291
Lab Order:	U0512277	**Collection Date:**	12/15/05 12:30:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	971	1.0		umhos/cm		12/15/05 12:30:00 PM
pH	7.23	6.5-8.5		SU		12/15/05 12:30:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.002	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	B401
Lab Order:	U0512277	**Collection Date:**	12/15/05 11:50:00 AM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	1066	1.0		umhos/cm		12/15/05 11:50:00 AM
pH	7.18	6.5-8.5		SU		12/15/05 11:50:00 AM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.007	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	B402R
Lab Order:	U0512277	**Collection Date:**	12/15/05 2:30:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-006	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	3060	1.0		umhos/cm		12/15/05 2:30:00 PM
pH	7.73	6.5-8.5		SU		12/15/05 2:30:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	1.2	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.26	0.025		mg/L	25	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.001	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT: C & S Companies
Lab Order: U0512277
Project: Quarterly Wabash Wells
Lab ID: U0512277-007

Client Sample ID: B403
Collection Date: 12/15/05 1:20:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	1372	1.0		umhos/cm		12/15/05 1:20:00 PM
pH	7.18	6.5-8.5		SU		12/15/05 1:20:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.002	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.001	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	B404
Lab Order:	U0512277	**Collection Date:**	12/15/05 12:45:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Conductivity	512	1.0		umhos/cm		12/15/05 12:45:00 PM
pH	7.14	6.5-8.5		SU		12/15/05 12:45:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT: C & S Companies
Lab Order: U0512277
Project: Quarterly Wabash Wells
Lab ID: U0512277-009

Client Sample ID: B290 Dupe
Collection Date: 12/15/05 10:30:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	0.002	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT: C & S Companies
Lab Order: U0512277
Project: Quarterly Wabash Wells
Lab ID: U0512277-010

Client Sample ID: Equipment Blank
Collection Date: 12/15/05 2:40:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **LD**
Aroclor 1016	ND	0.050		µg/L	1	12/27/05
Aroclor 1221	ND	0.050		µg/L	1	12/27/05
Aroclor 1232	ND	0.050		µg/L	1	12/27/05
Aroclor 1242	ND	0.050		µg/L	1	12/27/05
Aroclor 1248	ND	0.050		µg/L	1	12/27/05
Aroclor 1254	ND	0.050		µg/L	1	12/27/05
Aroclor 1260	ND	0.050		µg/L	1	12/27/05
TOTAL LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05
DISSOLVED LEAD BY GFAA		**E239.2**		**(SW3020A)**		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *29-Dec-05*

CLIENT:	C & S Companies	**Client Sample ID:**	Filter Blank
Lab Order:	U0512277	**Collection Date:**	12/15/05 2:40:00 PM
Project:	Quarterly Wabash Wells		
Lab ID:	U0512277-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
DISSOLVED LEAD BY GFAA		E239.2		(SW3020A)		Analyst: **CF**
Lead*	ND	0.001		mg/L	1	12/21/05

Approved By: PFF **Date:** 12-29-05

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

KEY PAGE

1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
2 REFERENCE SAMPLE/CCV RECOVERY WAS OUTSIDE OF CONTROL LIMITS
3 METHOD BLANK RESULT WAS ABOVE THE CONTROL LIMITS
4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
6 BLANK CORRECTED
7 HEAD SPACE PRESENT IN SAMPLE
8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
10 RESULTS ARE REPORTED ON AN AS REC.D BASIS
11 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY
12 SAMPLE ANALYZED OVER HOLDING TIME
13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM THE FILTERING PROCEDURE
14 SAMPLED BY ULI
15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE WITHIN EXPERIMENTAL ERROR
16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
18 THE SERIAL DILUTION OF THIS SAMPLE SUGGESTS A POSSIBLE PHYSICAL AND/OR CHEMICAL INTERFERENT IN THIS DETERMINATION. THE DATA MAY BE BIASED EITHER HIGH OR LOW.
19 CALCULATION BASED ON DRY WEIGHT
20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION LIMITS
21 UG/KG AS REC.D / UG/KG DRY WT
22 MG/KG AS REC.D / MG/KG DRY WT
23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
24 SAMPLE DILUTED/BLANK CORRECTED
25 ND(NON-DETECTED)
26 DUPLICATE SAMPLE OUTSIDE QC CRITERIA
27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF CONTROL LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
29 ANALYZED BY METHOD OF STANDARD ADDITIONS
30
31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
33 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SUFONATE (LAS) / POUNDS (LBS) PER DAY LAS
34 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20, CREATING A THEORETICAL TCLP VALUE
35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON PETROLEUM DISTILLATES
36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS) PER DAY OF CL2
39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
(B) DETECTED IN BLANK
(D) ALL COMPOUNDS IDENTIFIED IN AN ANALYSIS AT A SECONDARY DILUTION FACTOR
(E) COMPOUNDS WHOSE CONCENTRATIONS EXCEED THE CALIBRATION RANGE OF THE GC/MS INSTRUMENT FOR THAT SPECIFIC ANALYSIS
(J) DETECTED BELOW THE CRQL
(a) SAMPLE(S) RECEIVED AT THE IMPROPER TEMPERATURE
(b) HEADSPACE IN VOA VIAL(S)
(c) HEADSPACE IN ALKALINITY BOTTLE(S)
(d) SAMPLE CONTAINER(S) RECEIVED BROKEN

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: C&S ENGINEERS
Project #/ Project Name: QUARTERLY WABASH WELLS
Client Contact: RORY WOODMANSEE
Phone #:
Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only 1105/2277	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-8R	12-15-05	11:15	H2O	GRAB	001	3	X	X	X	X							MS/MSD
B281		2:00P	H2O	GRAB	002	3	X	X	X	X							
B290		10:30A	H2O	GRAB	003	3	X	X	X	X							
B291		12:30P	H2O	GRAB	004	3	X	X	X	X							
B401		11:50A	H2O	GRAB	005	3	X	X	X	X							
B402R		2:30P	H2O	GRAB	006	3	X	X	X	X							FILTER D-METALS AT LAB
B403		1:20P	H2O	GRAB	007	3	X	X	X	X							
B404		12:45P	H2O	GRAB	008	3	X	X	X	X							
B290 DUPE		10:30A	H2O	GRAB	009	3	X	X	X								
EQUIPMENT BLANK		2:40P	H2O		010	3	X	X	X								
FILTER BLANK		2:40P	H2O		011	1		X									

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	FIELD PH, COND	N/A	N/A	N/A
5				
6				
7				
8				
9				
10				

Sampled by (Print): PAUL BALTZERSEN
Company: UPSTATE LABORATORIES INC
Name of Courier:

Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Rec'd for Lab by:
Paul Baltzersen	12/15/05	3:00 p	J. Olene

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208388