

LABLITE-SQL – LABORATORY MANAGEMENT SOFTWARE

LABLITE SQL is enterprise LIMS software that manages complex workflow and specific data requirements of any kind of laboratory. After years of independent research and upon hearing only negative reviews of other LIMS products, LabLite LLC was formed in 1996. It included lab managers, professional programmers, and support staff with the goal of creating and bringing to market the best LIMS at an affordable price point.

Design Criteria required an intuitive user-friendly interface for the powerful feature sets being offered. The source code is written in MS Visual Basic and is open, annotated and modular. All versions are rigorously tested in-house and by Alpha and Beta working labs prior to release. The programs include thorough written and visual documentation.

LabLite LIMS products are used in many labs across the country. It is *the greatest value for the cost, more powerful and much easier to use* than comparable entries. Clearly, a new standard in laboratory management software for network or stand-alone systems has arrived.

LABLITE SQL

LABLITE SQL FEATURES:

At the "Front Desk"

- Create scheduled analyses
- Customize routine test groups
- Batch log-in of samples w/ label generation
- Instant recognition of repeat clients, sites, etc.
- Power typing fields
- Recalls previous and historic sample information for faster log-in
- Automated or editable date/time stamping
- Hard copy printouts of methods, price lists, clients, log-in sheets, etc.
- Built-in Security protection
- Invoicing and billing reports

In the Lab

- Personal configuration of screens
- Sort and filter samples to print worklists
- Generate priorities by due dates or other criteria
- Easy to use, intuitive Lab Notebook w/QC templates to insure data integrity
- Dilutions and complex calculations supported
- "Pop-up" SOP's and Message Center
- Strong Quality Control charting tool
- Vendor order and standards tracking
- List of safe samples to dispose

Management Functions

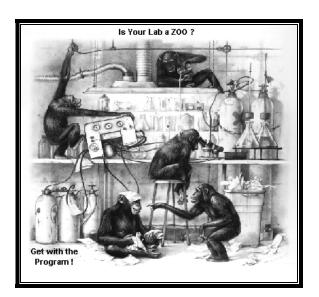
- Easy set-up of lab specific analyses & methods
- Set default method detection levels (MDL & POL)
- Set regulatory and/or client limits for flagging
- Detailed sample status reports and counts
- Print out scalable QC charts by method over date range or number of recent entries
- Track analyst productivity over selected dates
- Approve or reject reports on-line and add default or custom comments

Client Services

- Full, easily accessed client profile maintained
- Instantly access client history for trend analysis
- Flexible custom or pre-formatted reporting with export to Excel or databases (EDI)
- Set specific report styles and limits for each client
- Generate invoices with client specific prices and discounts
- E-Mail, HTML and Fax output of reports

LABLITE SQL BENEFITS:

- Easy to learn with on-line Help files and Manual
- Minimal up-front training needed
- Increases lab productivity
- Improves turn-around time
- No more embarrassing "lost" or "missing" samples
- Minimizes clerical hours and transcription errors
- Improves client services and lab image
- Eases pressures of day-to-day data management
- Increased efficiency leads to higher profit margins



Baseline Technical Specifications:

Intel Pentium-based PC with 64MB of RAM.
Windows 9x, ME, NT, 2000, XP Operating Systems.
Novell Netware, Microsoft Network, Client \ Server.
Access '97,2000, XP, SQL Server 7.0 and Higher
Approximately 1.0 GB of available server hard disk space.
LabLite Network server system requirements are based on site-specifics (number of users, etc.).

<u>Note:</u> To insure data integrity and easy access by technical support, all installations should include remote control software, a modem, and a tape backup system.

THE LABLITE PHILOSOPHY

LabLite is the end result of cooperation between experienced lab managers and professional software developers. We implement suggestions from our client base, and guidelines released by certifying authorities to enhance our program's capabilities. This flexible coding and upgrade process is the "LabLite Evolution" coding process. This guarantees that our offerings are designed by users for users.

Our mission is simple:

- Produce powerful yet easy to use LIMS adaptable to different lab disciplines.
- Use open annotated code written in Visual Basic for Windows compatibility.
- Create the fastest implementation and support system in the business.
- Make LabLite available at the lowest possible cost with no hidden fees.
- Give the ability for each user to customize and recall personal views and reports.
- Allow for instant navigation through modules without unnecessary keystrokes.
- Save money for our clients and make their work environments less stressful.

Recently, an independent team systematically reviewed the LIMS competition. We can report to you that there is no doubt as to which company has the best product at the lowest price ... LabLite! This is one reason we were named to the "Top 5 Software Products" by Scientific Computing & Instrumentation magazine. Let us make your lab more financially successful and a fun place to work. LabLite ... anytime you are ready.

What a difference LabLite has made for us! Data is easy to enter and access, and reports are available in days instead of weeks. Best of all is support, no matter how large or small your problem or if you just don't understand something, it is never too much for the LabLite support team.

Charmiane Albert AccuLab, Inc.



LabLite SQL - LIMS Done Right!

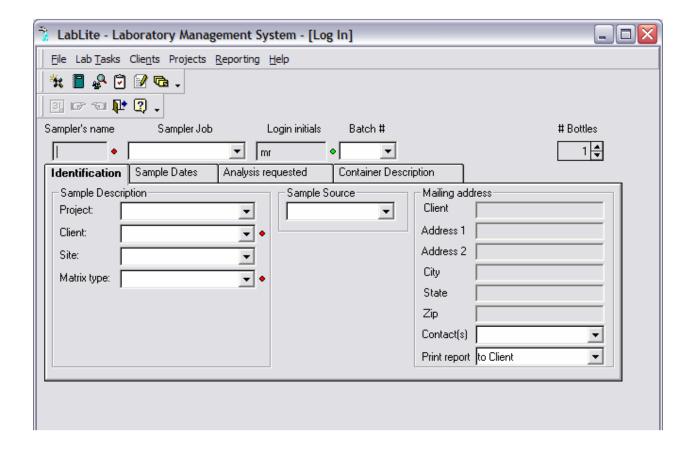
LabLite has been a great improvement for our lab. We find that the system is straightforward and easy to use. The Client Status and Lab Notebook screens have given us the ability to have a snapshot of the progress of any sample in the lab. The ability to move between the Log-in, Lab Notebook, and the Report preview screens all from Client Status is a life saver when we have an anxious client calling for results...

Beth Dunn Hydro Technologies, Inc.

See what our clients have to say about LabLite...

LABLITE MODULES

SAMPLE LOGIN



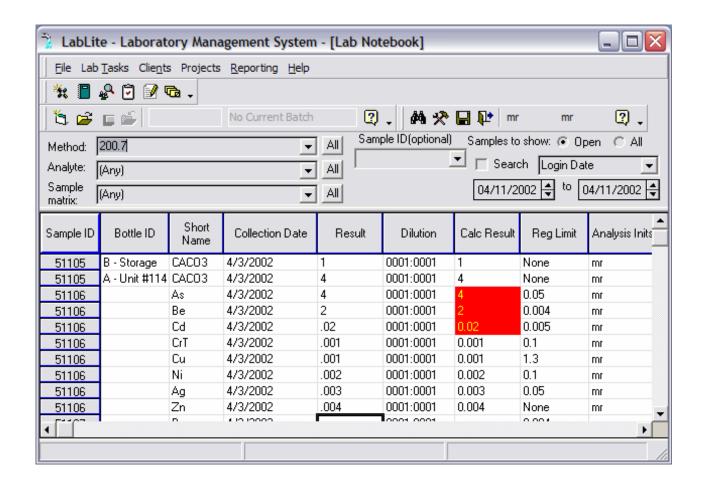
The Login screen is where you enter information on new lab samples. Repeat information about the sample, such as the customer's name, the sample site, and the Analysis Requested are entered using the dropdown feature. Special Instructions, client concerns, price quotes, etc. can be entered when the sample is logged in using the Message Center Navigation Button.

LOGIN FIELD NAMING IS USER CONFIGURED!

Select your own names for fields in the Login module. We have designed our fields to quickly match your operation. The closer the match to your existing system the faster your staff gets results from the LabLite interface.

LABLITE MODULES

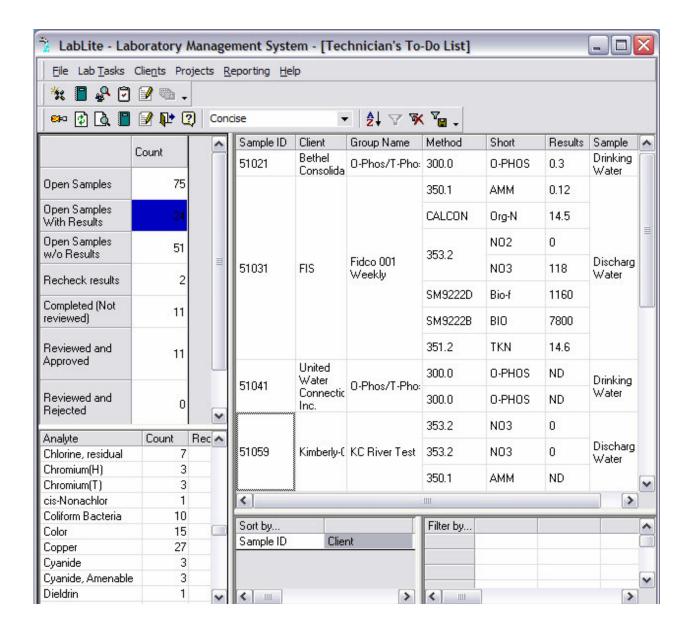
LAB NOTEBOOK



Laboratory test results are entered into LabLite SQL in the Lab Notebook. Test results can be entered either as a list of sample ID numbers for an individual analyte, or as a list of analytes for a given sample ID number. You can locate the sample(s) you want by indicating the sample ID number, searching for it by date range, or by indicating the method and/or analyte test you performed. Results that exceed a regulated or client specific limit can be "flagged" with red highlight. Calculate multiple selected results using saved formulas with a mouse click!

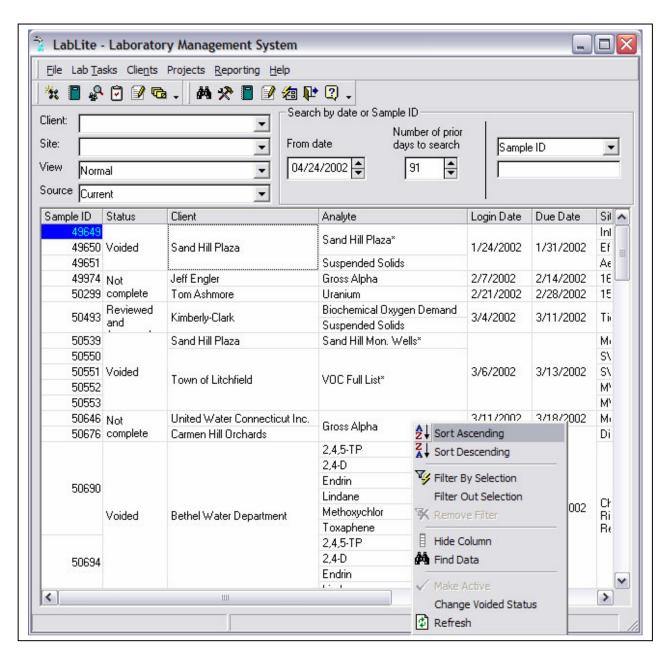
LabLite SQL - Get with the Program!

TO-DO LIST

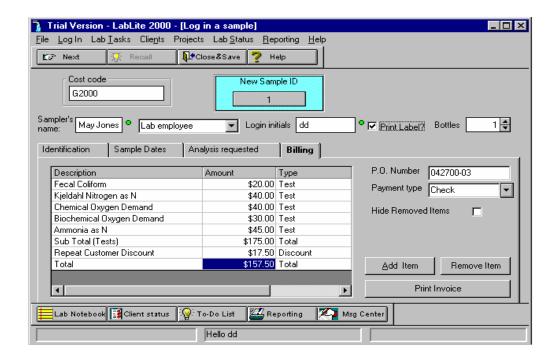


One of the most popular features of LabLite SQL is the To-Do List, where the status of samples can be viewed at a glance. In this module you can quickly review sample status categories on the upper left of the screen, an analyte count on the lower left, and summary information about your samples in the upper right. The summary list can be sorted and/or filtered to print work lists and generate reports. From this screen a single mouse click will take you to the Lab Notebook to enter results, to Client Status to track customer information, or to any of the other LabLite modules.

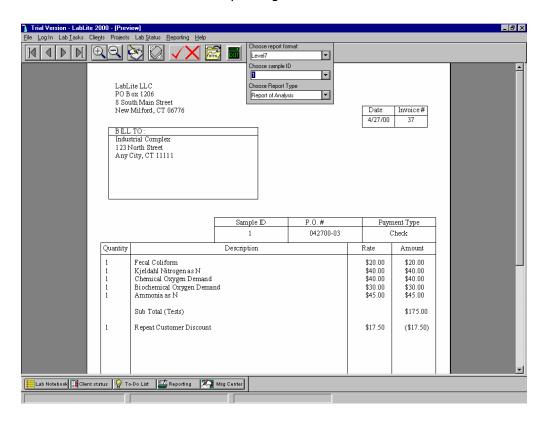
CLIENT STATUS



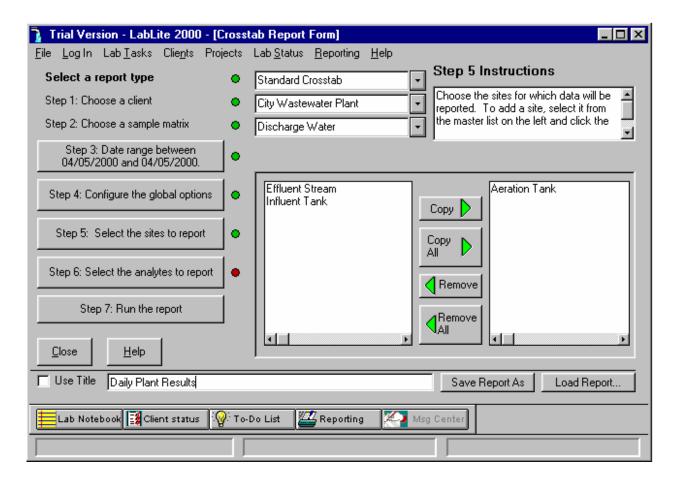
The Client Status screen, which is available on the bottom row of navigation buttons at all times, provides lab managers with an instant response to client's questions regarding the status a sample. From this screen you can search for records by client, date, or sample ID number. Once you locate the sample you are looking for, you can retrieve the sample into Log-in, print a report, or go directly to the Lab Notebook to enter results. The LabLite SQL interface was designed for ease of use and seamless navigation between modules. The Client Status screen is your window to successful customer service!



A billing dialogue on the Login screen calculates individual or group test costs, allowing for discounts and surcharges. A printed invoice is immediately available from this screen or when a final report is generated.



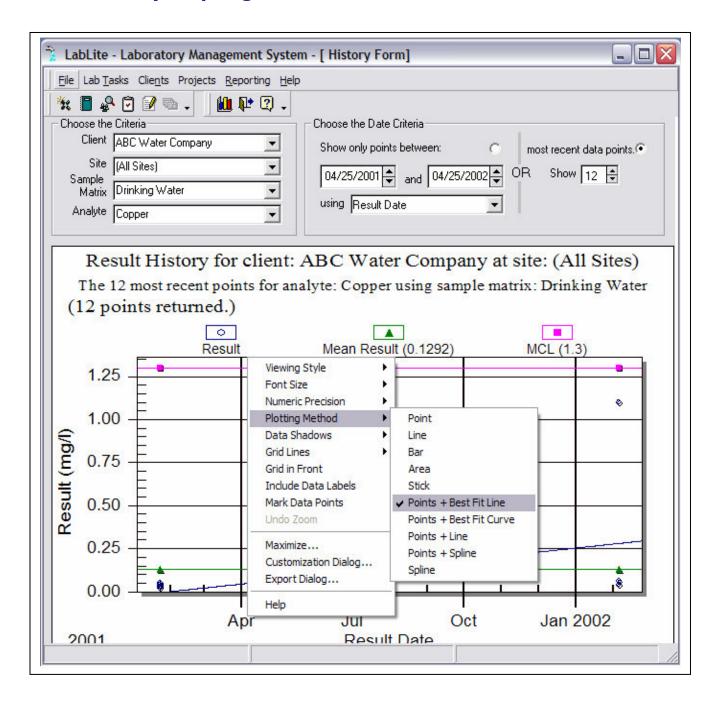
CROSSTAB REPORTS



Crosstab allows you to create tabular reports from LabLite result data and output them to Microsoft Excel for further manipulation. Data can be selected for any one or all clients, and then limited to a specific date range, site(s) and analytes, using both current and archived data. Typical applications for Crosstab reports include wastewater treatment monthly reports, historical reporting and trend modeling, and site-to-site result comparison. The Crosstab Report Form screen is organized to help you through the many report options available.

- Export formatted data to MS Excel for advanced analysis and graphing
- Save custom reports to run as needed
- Reproduce regulated report style formats
- Ideal for any Tabular reporting needs

Result History Graphing

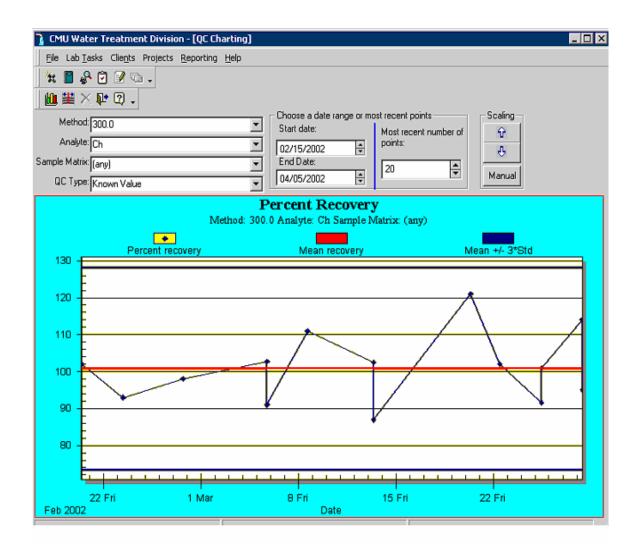


LabLite Result history charting tool allows you to summarize specific analyte trends. This powerful charting tool is ready for you to customize. These charts can be reviewed on screen, printed, emailed, or pasted into word documents.

LABLITE MODULES

QC CHARTING

The QC Charting feature allows you to quickly generate a graph of test results either over a date range or using any number of previous results you choose. Graphing options allow you to present your data in many different ways.



LabLite SQL records and graphs quality control (QC) data for each analyte and method in the Method Selection Table. The QC types supported by LabLite SQL are configured by the user. A variety of charting options are available to present your QC data.

LABLITE REPORTS

LOGIN SHEET

Address Phone: Fax email: director@hydro.com Web: www.gohydro.com

LabLite 2000 Sample Report Your Bitmap Logo or Letterhead

4/6/00

Login Sheet

Samp le ID	Login Date	Login Time	Client	Site	Analysis Requested	Treatement Type	# of Bottles
111	3/30/00	9:44:00 AM	City Wastewater Plant		PH		1
112	3/30/00	12:32:00 P M	About Kids.	104 West Street	HydroCheck		1
113	3/30/00	12:32:00 P M	About Kids.	104 West Street	HydroCheck Pb		1
170	4/6/00	9:17:00 AM	About Kids.	22 Main Street	Aquatic Toxicity	SOFTENER (SALT)	1
171	4/6/00	9:17:59 AM	Clark Kent Enterprises	Daily Planet Bldg.	VOC-39		1

The Login Sheet Report generates a printout or record of samples that have entered your lab over a given date range. It provides a hard copy reference for lab personnel responsible for tracking samples.

CLIENT DUE DATES

Address Phone: Fax email: director@hydro.com Web: www.gohydro.com

LabLite 2000 Sample Report Your Bitmap Logo or Letterhead

4/6/00

Client Due Dates

Client	Site	Due Date	Login Date	Samp le ID
About Kids.	104 West Street	3/27/00	3/20/00	104
Industrial Complex	Discharge Stream	3/27/00	3/20/00	103
Industrial Complex	Discharge Stream	3/27/00	3/20/00	102
Clark Kent Enterprises	Daily Planet Bldg.	3/27/00	3/20/00	105
Monitoring Systems Inc.	Exxon Station Well 1	3/27/00	3/20/00	106
City Wastewater Plant	Influent Tank	3/28/00	3/21/00	107
Industrial Complex	Discharge Stream	3/28/00	3/21/00	108
City Wastewater Plant	Effluent Stream	3/29/00	3/22/00	109
About Kids.	22 Main Street	4/5/00	3/29/00	110
City Wastewater Plant		4/6/00	3/30/00	111
About Kids.	104 West Street	4/6/00	3/30/00	113
About Kids.	104 West Street	4/6/00	3/30/00	112

The Client Due Dates Report is a quick way for lab managers and personnel to track the status of in-progress samples, and to prioritize their efforts based on when the work is due.

LABLITE REPORTS

ANALYST PRODUCTIVITY REPORT

4/4/00

Completion Report : cr

Entry Date	Login Date	Analysis	Method	
3/27/00	3/20/00	PH	150.1	
3/21/00	4/3/00	Copper	200.7	
3/21/00	4/3/00	Copper	200.7	
3/22/00	4/3/00	Copper	200.7	
3/23/00	4/3/00	Copper	200.7	
3/24/00	4/3/00	Copper	200.7	
3/25/00	4/3/00	Copper	200.7	
3/18/00	4/3/00	Copper	200.7	
3/27/00	3/20/00	Nitrate as N	300.0	
4/3/00	4/3/00	Copper	200.7	
3/27/00	3/20/00	Silver	SW6010A	
3/27/00	3/20/00	Turbidity	180.1	
3/28/00	3/20/00	Antimony	200.7	
3/28/00	3/20/00	Arsenic	200.7	
3/28/00	3/20/00	Barium	200.7	
3/29/00	4/3/00	Copper	200.7	
3/27/00	4/3/00	Copper	200.7	

This Analyst Productivity Report gives lab directors and managers the ability to see how many analyses their workers have completed over a specified date range. This report can be used as a source of accountability and motivation, allowing managers to identify those employees who accomplish their share of work or those who could improve their output.

PRINTED REPORTS

LabLite SQL includes a configurable Report of Analysis with varying levels of detail and different report layouts to satisfy nearly any laboratory setting. The report writing power of Access reports has been used to give you the control you need to deliver presentation quality reports. Examples of a Level 2, a Level 7, and a Crosstab report are provided on the following pages. These reports may be sent by traditional hard copy, as HTML for use in inhouse networks with word processing software or web browsers, by internet web sites, or via e-mail. If multiple contacts were selected at Login, a copy for each will be generated automatically.

Level 2 Report Format included with LabLite SQL

Address: Phone: Fax: email: director@hydro.com Web: www.gohydro.com

LabLite 2000 Sample Report Your Bitmap Logo or Letterhead

Report of Analysis

Name: About Kids.

122 South Main Street

Any City, ST 55555

Sample Date: 3/29/00

Receipt Date: 3/30/00 Report Date: 4/26/00 Sample Site: 104 West Street **Sample ID#** 112

Sample Type: Drinking Water

Sample Source:

Sampler's Name: John Doe Lab employee

P.O. #:

Parameter	Sample Result	Units	Limits	
Biological				
Coliform Bacteria	0.0	CFU/100ml	0	
Metals				
Copper	1.1	mg/L	1.3	
Iron	0.21	mg/L	No limit set	
Manganese	ND	mg/L	No limit set	
Sodium	3	mg/L	28	
Minerals				
Hardness	56	mg/L	No limit set	
Sulfate	5	mg/L	No limit set	
Nutrient				
Nitrate as N	1	mg/L	10	
Physical				
Color	2	CU	15	
Conductivity as TDS	ND	mg/L	No limit set	
Odor	0	0-5 Scale	2	
PH	7.1	SU	6.4 - 10	
Turbidity	0.23	NTU	5	

ND = Not detected
*=above specified limit

Comment: Test Results are within State and Federal guidelines.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of results.

Report Approved By:

Level 7 Report Format included with LabLite SQL

Address: Phone: Fax: email: director@hydro.com Web: www.gohydro.com

LabLite 2000 Sample Report Your Bitmap Logo or Letterhead

Report of Analysis

Name: About Kids.

122 South Main Street

Any City, ST 55555

Sample Date: 3/29/00 **Page int Date:** 3/30/00

Receipt Date:3/30/00Report Date:4/26/00Sample Site:104 West Street

Sample ID# 112

Sample Type: Drinking Water

Sample Source:

Sampler's Name: John Doe Lab employee

P.O. #:

Parameter Sample Result Units Minimum Analysis Method # Analyst Detection Date Level Biological Coliform Bacteria 0.0 CFU/100ml 0 SM9222B 4/26/00 mr Metals 0.005 Copper 1.1 mg/L 4/14/00 200.7 aa 0.21 0.01 200.7 mg/L 4/26/00 Iron mr ND0.01 4/26/00 200.7 Manganese mg/L mr Sodium 4/26/00 200.7 3 mg/L0.1 mr Minerals Hardness 56 mg/L 5 4/26/00 200.7 $\mathbf{m}\mathbf{r}$ Sulfate 5 2 4/26/00 300.0 mg/L mr Nutrient Nitrate as N 1 1 4/26/00 300.0 mg/L mr Physical 2 CU 0 110.2a Color 4/26/00 mr ${\rm N\!D}$ 4/26/00 120.1-tds Conductivity as TDS mg/L 1 mr Odor 0 0-5 Scale 0 4/26/00 140.1 mr PH7.1 SU0 4/26/00 150.1 mr Turbidity 0.23 NTU 0.05 4/26/00 180.1 mr

> ND = Not detected *=above specified limit

Comment: Test Results are within State and Federal guidelines.

Note: The test results are only valid for date sample was taken. We do not accept any liability for use of results.

Report Approved By:

MUNICIPAL UTILITY DEPARTMENT **WATER TREATMENT FACILITY**

PWSID# 01-22-99

ENTRY POINT: F-001

Finished Water Turbidity			Residual (Chlorine		CT Values			
Day of Month	No. of Tests	Test Below 0.5 NTU	Exceeding 0.5 NTU	Minimum at POE	% of Tests Below Limit	CT Calculated	(pH- Temp) Constant	CT 99.9	Calculated /ct 00.0
1	6	3	3	1.03	0	250.29	65	14.1	17.8
2	6	2	4	1.26	0	306.18	65	14.1	21.7
3	6	3	3	1.19	0	289.17	65	14.1	20.5
4	6	3	3	1.19	0	289.17	65	14.1	20.5
5	6	3	3	1.15	0	279.45	65	14.1	19.8
6	6	1	5	1.05	0	255.15	65	14.1	18.1
7	6	3	3	1.05	0	255.15	65	14.1	18.1
8	6	3	3	1.03	0	250.29	65	14.1	17.8
9	6	3	3	1.05	0	255.15	65	14.1	18.1
10	6	4	2	1.03	0	250.29	65	14.1	17.8
11	6	3	3	0.98	0	238.14	63	13.7	17.4
12	6	3	3	1.01	0	245.43	65	14.1	17.4
13	6	3	3	0.98	0	238.14	63	13.7	17.4
14	6	3	3	0.96	0	233.28	63	13.7	17.1
15	6	2	4	0.96	0	233.28	63	13.7	17.1
16	6	3	3	1.05	0	255.15	65	14.1	18.1
17	6	3	3	1.13	0	274.59	65	14.1	19.5
18	6	3	3	1.16	0	281.88	65	14.1	20.0
19	6	1	5	1.12	0	272.16	65	14.1	19.3
20	6	3	3	0.77	0	187.11	63	13.7	13.7
21	6	3	3	0.93	0	225.99	63	13.7	16.6
22	6	3	3	1.16	0	281.88	65	14.1	20.0
23	6	4	2	1.16	0	281.88	65	14.1	20.0
24	6	3	3	1.08	0	262.44	65	14.1	18.6
25	6	3	3	1.15	0	279.45	65	14.1	19.8
26	6	3	3	1.03	0	250.29	65	14.1	17.8
27	6	3	3	1.12	0	272.16	65	14.1	19.3
28	6	4	2	1.08	0	262.44	65	14.1	18.6
Averages	6	2.9	3.1	1.07	0	259.1	65	14.0	18.5

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